

# USER'S MANUAL



## 操作说明

感谢惠购这款学习型通用遥控器。这款新型遥控器设计时尚，外观精美。它内置了一个目前市面上最齐全的红外线代码库，适用于 4 种不同设备。

对于预先设置的代码，您只需选择需要控制的设备（例如“Projector”）及其品牌代码列表中的三位数字代码（例如 Optoma 投影仪中的 012）。完成设置后，遥控器即可永久保存您的所有设置数据，即使以后取出电池也不会丢失。

该四合一通用遥控器几乎适用于所有主流品牌的 DLP 投影仪、电视机（TV）、DVD 播放机（DVD）及功放（AMP），可控制设备的所有主要功能。

对于代码库中没有的代码，该遥控器也可从原装遥控器中“学习”新代码。

“设备代码写保护”功能可防止设备代码被意外覆盖或删除。

在您开始使用这款遥控器之前，请仔细阅读本手册。

## 认识按钮



**SET**（设置）- 用于设置该遥控器。

**PROJECTOR**（投影仪）、**AMP**（功放）、**DVD**、**TV** - 用于选择需要控制的设备。

**⏻** - 用于开/关设备。

**0-9** - 数字键的功能与原装遥控器上的数字键相同，还可用于在设置时输入设备代码。

**Keystone ±**（梯形失真）- 梯形失真校正增减调节。（投影仪）

**Zoom ±**（缩放）- 缩放增减调节。（投影仪）

**Source**（信号源）- 选择输入信号源。（投影仪）

**BLANK MODE**（空白模式）- 显示空白。（投影仪）

**RESYNC**（再同步）- 屏幕显示关闭时自动调节相位、跟踪、尺寸及位置。（投影仪）

**LEARN**（学习）- 用于启动遥控器的学习功能。

**MENU**（菜单）- 功能类似于原装遥控器上的“菜单”、OSD（屏幕显示）、“记忆”键。

**CH±**（频道）- 功能类似于原装遥控器上的频道更换按键。

**VOL±**（音量）- 功能类似于原装遥控器上的音量升降按键。

**Mute/OFF**（静音/关闭）- 静音或关机。

**⏮** **REW**（快退）

**▶** **PLAY**（播放您的 DVD、CD 等等）

**⏭** **FFWD**（快进）

**○** **REC**（录制）

**■** **STOP**（终止操作）

**⏸** **PAUSE**（暂停）

**▲ ▼ ◀ ▶, ENTER**（确定），**EXIT**（退出）- 功能类似于原装遥控器上的“上”、“下”、“左”、“右”、“确定”、“退出”菜单功能按键。

红色、绿色、黄色和蓝色键：用于 TV Fast Text 功能。

## 电池安装

该遥控器使用两节三号电池。推荐使用新的碱性电池。电池安装步骤：

1. 将遥控器背面朝上，打开电池舱盖。
2. 装入电池，确保电池的正负极与电池舱中的标记相匹配。
3. 推上电池舱盖。

即使取出电池，存储器中也会保存在遥控器上设置的所有数据。

## 设置

### A. 按照品牌代码设置

1. 开启需要控制的设备（例如投影仪）。
  2. 在本手册的背面查找品牌名称和设备品牌的代码编号（例如 Optoma 012、013、014 等等）。
- 注意：必须在对应的设备组列中选择代码。
3. 按住 **SET** 键，同时激活设备键（例如“Projector”）。遥控器上的 **POWER** 键点亮，表示已进入设置模式。
  4. 现在您必须在 10 秒内输入 3 位数字的设备代码（例如对应 Optoma 投影仪的 012）。如果没有在 10 秒内输入任何内容，设置模式自动终止。
  5. 如果遥控器接受了代码，LED 熄灭。如果 LED 闪烁两次，表示代码可能有错误，遥控器仍然处于设置模式，您应及时根据列表重新输入正确的代码。
  6. 检查遥控器上的按键功能。如果新遥控器上的大多数按键都无法正常使用，可尝试同一品牌列表中的其他三位数字设备代码（例如 213 等等）。重复第 3 到第 6 步，直至所有基本功能都可正常使用。代码完成匹配表示已经完成了设备的正确设置。

备注：1. 如需退出设置模式，按设备键（例如“Projector”）。如果没有在 10 秒内激活任何键，将自动终止。

2. 您可能已经在新的遥控器上设置了多个设备。在使用新的遥控器之前，

请首先按所需的设备键（例如“Projector”），确保遥控器进入正确的设备状态，否则它可能控制非目标设备。

## B. 学习设置

学习功能用于补充遥控器预先设置的代码。标准代码列表可提供大多数所需功能，但您也可为其添加少量附加功能。您也可从原装遥控器添加代码列表中没有的新代码。

在学习模式中，您必须准备好需要获取代码的原装遥控器。学习型遥控器和原装遥控器都应使用新电池。

1. 按住 **Learn** 键并按下需要学习的设备键（例如“DVD”），然后松开这两个键。新遥控器上的 **POWER** 键开始闪烁，该遥控器进入 DVD 代码的学习模式。
2. 按下并松开需要学习的目标键（例如“POWER”），设备键点亮。
3. 将原装遥控器指向新遥控器上的接收器 LED（与其发射器 LED 相同），使两个遥控器相对并保持大约 30mm 的间距。
4. 按住原装遥控器上的源按键（例如“POWER”），直至新遥控器上的 LED 闪烁 2 次并点亮 2 秒，然后再次闪烁。（这表示已经学会了原装遥控器上的 **POWER** 信号，新遥控器现在再次处于学习模式，可进行下一次学习。）

如果出现学习问题，指示灯闪烁 4 次并点亮 2 秒，然后再次闪烁（这表示未能学会原装遥控器上的 **POWER** 信号，新遥控器现在再次处于学习模式，可进行下一次学习。）

5. 重复第 2 条到第 4 步以学习更多按键信号。

接收遥控器

原始遥控器



目标键



源键

### 备注：

1. 如需退出学习模式，按下并松开 **LEARN** 键。
2. 在学习模式中，两个遥控器的间距不得超过 30 mm，而且必须保持在同一直线上。
3. 如果在 30 秒内没有按下任何键，遥控器将退出学习模式。
4. 您可以同时按下 **SET** 和 **4** 键，以删除在设备键下学习的所有按键数据，LED 将闪烁 2 次进行确认。（首先选择需要删除的设备键）
5. 最后一个学习的信号将覆盖前一个信号。
6. 本遥控器可保存 14 条指令。最后学习的信号将覆盖该设备及按键中保存的前一个信号。

## 其他功能

### A. 显示设备代码

可按照以下步骤调出新遥控器中已经设置的设备代码：

1. 按住 **SET** 键，然后按数字键“1”以显示 3 位数字代码的百位数字。确定 LED 的闪烁次数。如果 LED 不闪烁，表示该位为零。

2. 同样，按住 **SET** 键，然后按数字键“2”以显示 3 位数字代码的十位数字。

3. 按住 **SET** 键，同时按数字键“3”以显示 3 位数字代码的个位数字。

例如代码为 028：

- a. 按 **SET** 和“1”，LED 不闪烁。
- b. 按 **SET** 和“2”，LED 闪烁 2 次。
- c. 按 **SET** 和“3”，LED 闪烁 8 次。

## B. 重置/删除功能

如需删除已在遥控器中设置的代码，按住 **SET** 键，然后按住“0”键，保持 3 秒以上，最后松开这两个键。LED 将闪烁两次，此时遥控器中的所有设置数据和所有学习指令都已删除。

备注：如果您不希望删除所有设置，请勿使用该功能。

## C. 设备代码写保护

为了防止设备代码被意外覆盖/删除，您可执行以下步骤：

1. 在遥控器上按需要保护的键（例如“Projector”）。
2. 按住 **SET** 键，同时按“7”键。然后松开这两个键，LED 将闪烁两次，此时代码已受到保护，可防止被覆盖/删除。

备注：如需取消写保护，按住 **SET** 键，同时按“8”键，然后松开这两个键。LED 闪烁两次，保护功能已被取消。

## Device Brand Code List

## Projector

| BRAND  | CODE | MODEL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| OPTOMA | 012  | DN346, DN362, DN364, DN861, DN961, DP336, DP352, DP354, DP851, DS309, DS309i, DS316, DW318, DX319, DX319p, DX609, DX609i, DX609v, EH1020, EP620, EP720, EP721, EP723, EP723mx, EP726, EP727, EP727i, EP727mx, EP728, EP728i, EP728mx, ES526, ES526L, EW531, EW533ST, EW536, EW628, EW1610, EX355, EX526, EX531, EX531p, EX536, EX536L, EX536v, EX538, EX540, EX540i, EX540i(3D), EX542, EX542i, EX542i(3D), EX612, EX615, EX762, EX765w, EW766w, GT720, HD66, HW536, HW628, OP280w, OP300w, OP380w, OP400w, OP1122, OP1126, OP1230, OP1260, OPS2610, OPX250x, OPX2300, OPX2510, OPX2610, OPX2800, OPX3000, OPX3800, OPX4010, PRO100s, PRO150s, PRO200x, PRO250x, PRO350w, RS528, PW2300, PW2500o, S22, S22E, S28, TH1020, TS526, TS721, TS723, TX536, TX542, TX542i, TX728, TX762, TX765w, (ACCO)TX727, WX270, WX28, X22c(ACC O), X25, X28, (COMPACT)228, EW533ST, GT720 |
| OPTOMA | 013  | (COMPACT)218, CP705, DP7249, DS302, DS303, DX602, DX625, DX670, DX733, EP706, EP706s, EP708, EP708e, EP708s, EP709, EP709s, EP712, EP712e, EP719h, EP749, EP990s, FS704, KX700, S17e, SP7600, TX800, X17e, X25c                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| OPTOMA | 014  | DV10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| OPTOMA | 015  | DV11, DVD100, U2, U3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| OPTOMA | 016  | EP776, EP782, EP776w, EP782w, EP1080, OPX4100, OPX4800, TX776, TX782, TX776w, TX778w, TX782w                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| OPTOMA | 017  | ET700xe, GT7000, HD32, HD65, HD65a, HD70, HD71, HD75, HD700x                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| OPTOMA | 018  | HD31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| OPTOMA | 019  | DP7259, EP716b, EP716c, EP739, EP739h, EP770                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| OPTOMA | 021  | DS305, DS305r, DX605, DX605r, EP716, EP716a, EP716mx, EP716p, EP716r, EP719, EP719p, EP719r, EP738mx, EP7161, S16e, TD306, TD316, TS400, TX700, X20e, UNEEC706                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| OPTOMA | 022  | HD6800, HD72, HD72i, HD73                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| OPTOMA | 023  | HD80, HD82, HD8200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| OPTOMA | 024  | HD81, HD81-LV, HD3000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| OPTOMA | 025  | DX608, EP747, EP773, EP780, EP781, EP1690, OP1140, OP1280, OP1400, T20, T203, TX773, TX780                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| OPTOMA | 030  | HD20, HD20LV, HD22, HD67, HD200x, HD2200, IS800c                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| OPTOMA | 036  | EP729                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| OPTOMA | 037  | COMPACT215, EP7150                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| OPTOMA | 041  | DX650, DX752, EP752, EP761, EP763, EP763S, OP1220, OP1310, OP1390, TX752, TX761, TX763                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| ACER   | 002  | 001, H5360, H7530, H7530d, P1100, P1100c, P1165, P1166, P1166p, P1200, P1200a, P1200b, P1200n, P1200i, P1203, P1206, P1265, P1265p, P1265k, P1265ki, P1266, P1266i, P1266n, P1266p, P1270, P1300wb, P1303w, P3150, P3151, P3250, P3251, P5260, P5260i, P5270, P5280, P5370w, P7270, P7270i, P7280, P7290, S1200, X1160pz, X1161, X1260p, X1261                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| ACER   | 027  | P5260, P5260i, P5271i, P7270, P7270i, P7280, P7290, PD99s, PD99x, PD311, PD323, PD523pd, PD525pd, PD525pw, PD527d, PD527w, PD528, PD726, PD726w, PD727, PD727w, PW730, XD1150d, XD1150p, XD1170d, XD1250, XD1250p, XD1270d, XD1280d                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| ACER   | 032  | H5350, H5360, X1160, X1160+, X1160p, X1160pz, X1160pzn, X1160z, X1260, X1260k, X1260p, X1260t                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ACER   | 035  | PD100, PD100d, PD100p, PD100s, PD116, PD120, PD120d, PD120p, PD120pd, PD322, PD523, PD525d                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| ACER   | 039  | P1100c, P1200a, P1200b, P1200i, P1200n, P1300wb                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

|           |     |                                                                                                                                                                                                                                                                           |
|-----------|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DELL      | 026 | 1209s, 1409x, 1609wx, 1800mp, 2300mp, 2400mp, 3400mp, 3400p, 4100mp, 4210x, 4310wx, 4610x, 7609wu, 1209S, M209x, M210x, M409wx, M410hd,                                                                                                                                   |
| DELL      | 033 | 1210s, 1410x, 1510x, 1610hd                                                                                                                                                                                                                                               |
| DELL      | 043 | 2300mp                                                                                                                                                                                                                                                                    |
| DELL      | 044 | S300, S300w, S300wi                                                                                                                                                                                                                                                       |
| 3M        | 013 | SCP720                                                                                                                                                                                                                                                                    |
| 3M        | 020 | DMS715, SCP715, SCP717, SCP740                                                                                                                                                                                                                                            |
| ACCO      | 037 | X20p                                                                                                                                                                                                                                                                      |
| BENQ      | 001 | MP771                                                                                                                                                                                                                                                                     |
| CASIO     | 011 | YT35, XJ-S57                                                                                                                                                                                                                                                              |
| CASIO     | 021 | XL300                                                                                                                                                                                                                                                                     |
| CHANGHONG | 021 | PDF270, PDF270x, PDF720p                                                                                                                                                                                                                                                  |
| EPSON     | 006 | 001, EMP-1715                                                                                                                                                                                                                                                             |
| EPSON     | 010 | EMP1705, EMP1725                                                                                                                                                                                                                                                          |
| GEHA      | 021 | COMPACT216, COMPACT218                                                                                                                                                                                                                                                    |
| HITACHI   | 004 | CP-X200, CP-X205, CP-X300, CP-X305, CP-X308, CP-X400, CP-X417, ED-X30, ED-X31, ED-X33                                                                                                                                                                                     |
| HP        | 003 | AP0110                                                                                                                                                                                                                                                                    |
| HP        | 009 | ARES, ARES-a, ARES-b, MP2210, MP2215, MP2220, MP2225, MP3320, MP3322                                                                                                                                                                                                      |
| INFOCUS   | 040 | IN1100, IN1102, IN3102, IN3104, IN3106, IN3108, IN3182, IN3186, IN3188, IN3902LB, IN3904LB, IN5302, IN5302L, IN5304, IN5304L, IN5502, IN5502L, IN5504, IN5504L, IN5532, IN5532L, IN5534, IN5534L, IN5584, IN5588, LP85, LP85w, SP8602, IN81, IN81c, IN82, IN83, X10, X10c |
| INFOCUS   | 042 | X6, X6c, X7, X7c, X9, X9c, X15, X20, X21, X815                                                                                                                                                                                                                            |
| KAGA      | 038 | U6-112, U6-132, U6-232                                                                                                                                                                                                                                                    |
| LENOVO    | 013 | T20, T203                                                                                                                                                                                                                                                                 |
| LENOVO    | 021 | C10, DT1500                                                                                                                                                                                                                                                               |
| MEDION    | 017 | MD30053                                                                                                                                                                                                                                                                   |
| NEC       | 007 | LT20                                                                                                                                                                                                                                                                      |
| NEC       | 042 | NP100, NP100+, NP100g, NP100j, NP200, NP200+, NP200g, NP200j                                                                                                                                                                                                              |
| SAHARA    | 021 | DP1500                                                                                                                                                                                                                                                                    |
| SANYO     | 029 | PDG-DSU30                                                                                                                                                                                                                                                                 |
| SANYO     | 031 | PDG-DWL100, PDG-DXL100                                                                                                                                                                                                                                                    |
| SMART     | 028 | UF55, UF55W                                                                                                                                                                                                                                                               |
| SONY      | 008 | VPL-CX63                                                                                                                                                                                                                                                                  |
| THTF      | 042 | DX680, DX710                                                                                                                                                                                                                                                              |
| TOSHIBA   | 034 | TDP-SW80, TDP-TW90, TDP-TW90A, SP1, S8, MT200                                                                                                                                                                                                                             |
| ViewSonic | 005 | 001                                                                                                                                                                                                                                                                       |

## TV

| BRAND     | TV                                                                   |
|-----------|----------------------------------------------------------------------|
| Abex      | 011, 286                                                             |
| Accurian  | 140, 457                                                             |
| Accuscan  | 005, 014                                                             |
| Acme      | 156                                                                  |
| Action    | 002, 006, 010, 042                                                   |
| ADA       | 167                                                                  |
| ADC       | 152, 154                                                             |
| Admiral   | 003, 004, 005, 014, 015, 018, 025, 035, 040, 041, 055, 165, 308, 455 |
| Advantz   | 049                                                                  |
| Advent    | 030, 080, 087, 094, 101, 238, 326, 456, 457                          |
| Adventura | 279                                                                  |
| Adventuri | 001                                                                  |
| Adyson    | 011                                                                  |
| Agna      | 030                                                                  |
| Aiko      | 024                                                                  |

|                |                                                                                 |
|----------------|---------------------------------------------------------------------------------|
| Aiwa           | 011,295,296,309                                                                 |
| Akai           | 010,012,020,021,028,031,064,071,149,211,230,361,362,372,373,410,442             |
| Aaron          | 037,040                                                                         |
| Alba           | 011,012,045                                                                     |
| Albatron       | 002                                                                             |
| Alfide         | 064                                                                             |
| Alleron        | 010,037,193                                                                     |
| Amark          | 002,007,011,013,014,018,035,165                                                 |
| Ambassador     | 030,039                                                                         |
| America Action | 041                                                                             |
| American High  | 001,021                                                                         |
| Ampro          | 079                                                                             |
| Amstrad        | 013,038,039                                                                     |
| Amtron         | 001,041, 062                                                                    |
| Anam           | 041                                                                             |
| Anamnational   | 019, 062,150,169,184,293                                                        |
| AOC            | 002,006,010,011,012,013,041,042,151,152,155,159,264,280,288,341,429,439,461,476 |
| Aomni          | 399                                                                             |
| Apex           | 078,081,113,321,367,423                                                         |
| Apex Digital   | 033,042,078,081,083,113                                                         |
| Archer         | 002,165                                                                         |
| Aspect         | 198                                                                             |
| Astar          | 472                                                                             |
| Asuka          | 045                                                                             |
| Audinac        | 041                                                                             |
| Audio-Technica | 006                                                                             |
| Audiovox       | 002,024,040,041,054,061,062,074,090,112,140,147,348,436,457                     |
| AUVIO          | 451,489                                                                         |
| Aventura       | 038                                                                             |
| Axion          | 147,281,454                                                                     |
| Bang&Olufsen   | 291                                                                             |
| Basicline      | 045                                                                             |
| Baycrest       | 011,043                                                                         |
| Baysonic       | 041                                                                             |
| Beaumark       | 004,006,010,040                                                                 |
| Belcor         | 006,010,151                                                                     |
| Bell&Howell    | 003,018,025,032,040,133,191                                                     |
| BenQ           | 139,215,226,383,462                                                             |
| Bluesky        | 258,386                                                                         |
| Boxlight       | 118                                                                             |
| Bradford       | 041,062                                                                         |
| Brick          | 013                                                                             |
| Brockwood      | 006,010,020                                                                     |
| Broksonic      | 002,013,039,041,046,055,142,253,315,320,458,459                                 |
| Brokwood       | 151                                                                             |
| Candle         | 010,013,020,043,151,155,279                                                     |
| Capehart       | 002,004,006,010,011,024,280                                                     |
| Carnivale      | 010                                                                             |
| Carver         | 018,037                                                                         |
| CCE            | 122                                                                             |
| Celea          | 081                                                                             |
| Celebrity      | 001,149                                                                         |
| Celera         | 081                                                                             |
| Centrios       | 274                                                                             |
| Centurion      | 155                                                                             |
| Cetronic       | 184                                                                             |
| Changhong      | 033,081,083,087,321                                                             |
| Cinego         | 016                                                                             |

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|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cineral             | 024,054,258                                                                                                                                                                                                 |
| Citek               | 011,014                                                                                                                                                                                                     |
| Citizen             | 001,002,003,006,007,010,011,013,018,020,021,024,038,041,043,048,049,054,055,062,127,151,155,184,230,253                                                                                                     |
| Civet               | 042                                                                                                                                                                                                         |
| Clairtone           | 042, 159                                                                                                                                                                                                    |
| Clarion             | 041                                                                                                                                                                                                         |
| Classic             | 006,010,020,024,081,184,321                                                                                                                                                                                 |
| COBY                | 359,364,463,464                                                                                                                                                                                             |
| Color voice         | 156                                                                                                                                                                                                         |
| Coloryme            | 004,005,006,010,011,014,018,021,151,155,156                                                                                                                                                                 |
| Colt                | 006                                                                                                                                                                                                         |
| Commercialsolutions | 014,133                                                                                                                                                                                                     |
| Concerto            | 020,151,155                                                                                                                                                                                                 |
| Conic               | 006                                                                                                                                                                                                         |
| Concierge           | 235                                                                                                                                                                                                         |
| Contec              | 041,042, 052,159,184,062                                                                                                                                                                                    |
| Cornea              | 192                                                                                                                                                                                                         |
| Craig               | 038,040,041,049,184,062                                                                                                                                                                                     |
| Crosley             | 001,010,018,026,038,041,044,                                                                                                                                                                                |
| Crown               | 013,020,025,041,062,064,184                                                                                                                                                                                 |
| Crownmustang        | 064                                                                                                                                                                                                         |
| CTX                 | 165                                                                                                                                                                                                         |
| Curtis Mathes       | 001,003,005,006,010,011,012,013,014,015,018,020,021,025,028,032,036,040,041,054,056,071,077,124,127,131,133,151,155,160,191,230,249,318,460                                                                 |
| CXC                 | 041,184,062                                                                                                                                                                                                 |
| Cybervision         | 258                                                                                                                                                                                                         |
| Daewoo              | 006,007,013,024,054,061,064,064,138,139,151,152,155,156,162,163,164,181,184,185,213,225,246,247,249,256,324                                                                                                 |
| Dayton              | 024, 151,155                                                                                                                                                                                                |
| Daytron             | 006,010,011,013,020,024                                                                                                                                                                                     |
| Dell                | 006,122,134,172,251,390                                                                                                                                                                                     |
| Denon               | 012,019,028,060                                                                                                                                                                                             |
| Denstar             | 062                                                                                                                                                                                                         |
| Diamond Vision      | 220,304,331                                                                                                                                                                                                 |
| Digimate            | 346                                                                                                                                                                                                         |
| Digistar            | 078,087,238,251,270,272,348,384,385                                                                                                                                                                         |
| Digital Lifestyles  | 479                                                                                                                                                                                                         |
| Digital Stream      | 453                                                                                                                                                                                                         |
| Dimensia            | 133,133                                                                                                                                                                                                     |
| Disney              | 253,265                                                                                                                                                                                                     |
| Dukane              | 198,066                                                                                                                                                                                                     |
| Dumont              | 003,004,006,011,041,151,235                                                                                                                                                                                 |
| Durabrand           | 002,006,038,041,055,120,253,262,290,307,370                                                                                                                                                                 |
| Dwin                | 025,077,085                                                                                                                                                                                                 |
| Dynasty             | 184                                                                                                                                                                                                         |
| Dynex               | 421                                                                                                                                                                                                         |
| Eaton               | 021                                                                                                                                                                                                         |
| Electroband         | 001,042,149,159                                                                                                                                                                                             |
| Electrograph        | 138                                                                                                                                                                                                         |
| Electrohome         | 001,006,010,011,013,020,030,031,032,042,052,150,151,155,167                                                                                                                                                 |
| Elektra             | 003,004,061                                                                                                                                                                                                 |
| Elite               | 045                                                                                                                                                                                                         |
| Elite Video         | 297                                                                                                                                                                                                         |
| Emerald             | 006,039                                                                                                                                                                                                     |
| Emerson             | 006,011,012,013,014,029,030,032,037,038,039,040,041,042,046,048,049,054,055,061,062,141,142,155,166,168,169,171,174,175,176,177,179,181,182,183,184,186,187,191,193,249,253,282,290,304,309,310,313,315,325 |
| Envision            | 006,010,011,013,092,151,155,341                                                                                                                                                                             |

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| Epson           | 097,100                                                                                                                                 |
| ESA             | 038,071,290                                                                                                                             |
| Fisher          | 001,018,032,034,052,191,234,034                                                                                                         |
| Flex Vision     | 074                                                                                                                                     |
| Fortress        | 025                                                                                                                                     |
| Fujitsu         | 040,043,067,091,105,193,297,338                                                                                                         |
| Funai           | 001,013,038,040,041,062,141,184,193,290,309,325                                                                                         |
| Futurtec        | 184,062                                                                                                                                 |
| Futurtech       | 041                                                                                                                                     |
| Gateway         | 138,139,188                                                                                                                             |
| GE              | 001,005,006,008,010,012,014,015,019,021,049,054,077,124,131,133,144,150,151,155,160,167,186,194,218,232,245,190,317                     |
| Gemini          | 014                                                                                                                                     |
| Gibraltar       | 001,004,006,010,151,235                                                                                                                 |
| Go Video        | 116                                                                                                                                     |
| Go Vision       | 147                                                                                                                                     |
| Gold Star       | 005,006,010,011,013,014,018,020,052,106,151,152,155,197,213,264,309,316                                                                 |
| Goodmans        | 050                                                                                                                                     |
| GPX             | 040                                                                                                                                     |
| Gradiente       | 017,020,037,151,238,262,344,389                                                                                                         |
| Grandtec        | 480                                                                                                                                     |
| Granprix        | 040                                                                                                                                     |
| Granada         | 011                                                                                                                                     |
| Grundig         | 064,067,072                                                                                                                             |
| Grundy          | 040,041,062,193                                                                                                                         |
| Grunpy          | 040,041                                                                                                                                 |
| Guestvision     | 299                                                                                                                                     |
| Gvision         | 337                                                                                                                                     |
| Haier           | 078,120,139,307,380,409,432                                                                                                             |
| Hallmark        | 006,040,041,044,046,151,155                                                                                                             |
| Hannspree       | 132                                                                                                                                     |
| Harley-Davidson | 001,006,010,021,040,041,141                                                                                                             |
| Harman/Kardon   | 018                                                                                                                                     |
| Harvard         | 041,062                                                                                                                                 |
| Hauppauge       | 403                                                                                                                                     |
| Havermy         | 025                                                                                                                                     |
| Heathkit        | 004                                                                                                                                     |
| Helios          | 110                                                                                                                                     |
| Hellokitty      | 054                                                                                                                                     |
| Hewlett-Packard | 336,465,481                                                                                                                             |
| Hikone          | 045                                                                                                                                     |
| Himitsu         | 041,062,086                                                                                                                             |
| Hisense         | 078,209,284,345                                                                                                                         |
| Hitachi         | 001,003,004,005,011,012,013,014,015,018,019,020,028,031,040,042,052,066,123,141,151,155,198,199,200,254,255,257,282,309,334,437,448,482 |
| Hyundai         | 103,110,369,466,467                                                                                                                     |
| ILO             | 259,290,298,351,357,362,408,413                                                                                                         |
| IMA             | 006,040,041,046,062                                                                                                                     |
| InFocus         | 133                                                                                                                                     |
| Infinity        | 018,314                                                                                                                                 |
| Initial         | 259,357,357                                                                                                                             |
| Insignia        | 038,173,228,238,252,253,272,290,307,325,381,417,420,477                                                                                 |
| Integra         | 283                                                                                                                                     |
| Inteq           | 004,028,235                                                                                                                             |
| Janeil          | 279                                                                                                                                     |
| JBL             | 018                                                                                                                                     |
| JC Penney       | 008,043,052,127,133,151,152,155,160,167,174,194,218,230,232                                                                             |
| JCB             | 001,149                                                                                                                                 |
| Jensen          | 030,080,094,151,155,252                                                                                                                 |

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| JIL             | 006,010                                                                                                                                                     |
| Jutan           | 006,010                                                                                                                                                     |
| JVC             | 010,017,018,019,052,076,170,199,203,204,206,257,266,297,311,327,434,449                                                                                     |
| Kamp            | 004,006,041,042                                                                                                                                             |
| Kawasho         | 006,010,042,149,151,155                                                                                                                                     |
| Kaypani         | 280                                                                                                                                                         |
| KEC             | 021,041                                                                                                                                                     |
| KEC0041         | 062                                                                                                                                                         |
| Kenmore         | 029                                                                                                                                                         |
| Kenwood         | 006,010,041,151,155                                                                                                                                         |
| KLH             | 033,041,081,083                                                                                                                                             |
| Kloss           | 009,010                                                                                                                                                     |
| Kloss Novabeam  | 205,279                                                                                                                                                     |
| KMC             | 002,011                                                                                                                                                     |
| Kogi            | 337                                                                                                                                                         |
| Konka           | 041,045,062,073,157,161,173,189,228,322                                                                                                                     |
| KTV             | 010,013,041,042,048,055,062,159,166,184,207                                                                                                                 |
| Kurazai         | 003                                                                                                                                                         |
| Lark            | 032                                                                                                                                                         |
| Lasonic         | 304,331                                                                                                                                                     |
| Legend          | 238                                                                                                                                                         |
| LG              | 002,006,010,018,020,021,052,106,107,128,151,152,155,192,197,213,251,263,264,309,316,392,483                                                                 |
| Liquidvideo     | 273,281                                                                                                                                                     |
| Lloyd's         | 010,011,013,020,040,041,046,141                                                                                                                             |
| Lodgenet        | 003,133,300                                                                                                                                                 |
| Loewe           | 027,018,305,485                                                                                                                                             |
| Logik           | 003,020,040,041,046,133                                                                                                                                     |
| Luce            | 195                                                                                                                                                         |
| Luxman          | 020,151,155                                                                                                                                                 |
| Lxi             | 001,003,004,005,006,007,008,009,010,011,012,013,014,015,017,018,019,020,021,025,026,029,032,033,034,035,036,038,040,048,077,127,133,151,155,160,191,232,309 |
| Macy            | 013,043                                                                                                                                                     |
| Magnasonic      | 001,002,006,010,018,020,024,025,033,040,141,193                                                                                                             |
| Magnavox        | 001,006,007,009,010,014,015,018,021,024,026,032,038,040,041,043,044,047,049,051,072,090,101,134,138,141,151,155,205,210,257,285,308,314,325,368,411         |
| Majestic        | 003,004,133                                                                                                                                                 |
| Marantz         | 010,018,031,106,134,151,155,283                                                                                                                             |
| Matsui          | 013,020,039                                                                                                                                                 |
| Matsushita      | 015,047,063                                                                                                                                                 |
| Maxent          | 138,139,188                                                                                                                                                 |
| Medion          | 265,277,298                                                                                                                                                 |
| Megapower       | 002                                                                                                                                                         |
| Megatron        | 002,006,014,020,028,031,151,155,198                                                                                                                         |
| Mei             | 042, 159                                                                                                                                                    |
| Memorex         | 003,006,010,011,013,020,030,032,035,040,041,055,133,142,143,145,146,151,155,191,193,253,315,339,468                                                         |
| MGA             | 006,010,030,034,052,151,152,155,167,193,257                                                                                                                 |
| MGN Technology  | 006                                                                                                                                                         |
| Microgenius     | 030                                                                                                                                                         |
| Midland         | 004,005,006,011,013,014,015,020,077,133,160,194,232,235                                                                                                     |
| Mintek          | 259                                                                                                                                                         |
| Minutz          | 008                                                                                                                                                         |
| Mitsubishi      | 006,010,025,030,032,034,099,111,126,151,152,155,167,193,257,261,415,418,426                                                                                 |
| Monivision      | 002,178                                                                                                                                                     |
| Montgomery Ward | 003,133                                                                                                                                                     |
| Moteva          | 191,344                                                                                                                                                     |

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| Motorola            | 015,018,019,025,030,150,165                                                                                                     |
| MTC                 | 006,010,011,013,020,021,024,041,042,049,127,151,152,155,159,230                                                                 |
| Multitech           | 040,041,062                                                                                                                     |
| Multivision         | 216                                                                                                                             |
| Myron&Davis         | 306                                                                                                                             |
| NAD                 | 006,020,033,036,127,151,155,286                                                                                                 |
| NEC                 | 003,006,010,014,020,031,035,037,059,114,137,150,151,152,155,156,257,283,474                                                     |
| Net TV              | 138,188,244                                                                                                                     |
| Newtech             | 020                                                                                                                             |
| Nexxtech            | 272,356                                                                                                                         |
| Nikei               | 184                                                                                                                             |
| Nikko               | 010,006,024,151,155                                                                                                             |
| Nikkodo             | 006,010,024                                                                                                                     |
| Niko                | 376                                                                                                                             |
| Nishi               | 005,010                                                                                                                         |
| Norcent             | 078,095,185,196                                                                                                                 |
| Noshi               | 005                                                                                                                             |
| NTC                 | 024,                                                                                                                            |
| Nyon                | 001                                                                                                                             |
| Olevia              | 130,353,374,375,387                                                                                                             |
| Oncommand           | 299                                                                                                                             |
| Onking              | 184                                                                                                                             |
| Onwa                | 041,062,184                                                                                                                     |
| Optimus             | 003,006,010,011,013,020,025,030,032,035,036,041,047,063,141,145,146,275,286,                                                    |
| Optoma              | 132, 354                                                                                                                        |
| Optonica            | 025,035, 165                                                                                                                    |
| Orion               | 004,006,039,040,041,046,055,142,177,235,253,441                                                                                 |
| Pace                | 006,024                                                                                                                         |
| Palsonic            | 086                                                                                                                             |
| Panasonic(National) | 001,005,009,010,015,018,019,033,046,047,063,129,145,146,150,194,207,275,276,323,332,405,475                                     |
| Panda               | 072                                                                                                                             |
| Pausa               | 040                                                                                                                             |
| Paxonic             | 006,010,011,013,021                                                                                                             |
| PCE                 | 021,033,040                                                                                                                     |
| Penney              | 001,002,003,005,006,008,010,011,012,013,014,015,020,021,033,034,047,077,131                                                     |
| Philco              | 006,007,009,010,012,018,026,028,040,043,044,055,088,119,150,151,152,155,157,205,210,257,285                                     |
| Philips             | 010,018,020,026,038,043,044,070,101,106,134,139,150,151,205,210,217,218,257,267,285,290,302,303,314,325,382,396,400,419,444,445 |
| Philips Magnavox    | 018,134,285,303,308,314                                                                                                         |
| Pilot               | 006,010,013,015,020,021,151                                                                                                     |
| Pioneer             | 012,019,036,066,151,155,219,282,283,286,424,487                                                                                 |
| PIVA                | 358                                                                                                                             |
| Planar              | 339                                                                                                                             |
| Polaroid            | 081,110,173,252,278,284,348,371,468                                                                                             |
| Portland            | 002,006,011,013,024,054,151,152,155,249,                                                                                        |
| Precision           | 039,041,042,046,049,271                                                                                                         |
| Price Club          | 230                                                                                                                             |
| Prima               | 030,080,087,094,238,270,272,348                                                                                                 |
| Princeton           | 002,075                                                                                                                         |
| Princeton Graphics  | 075,165                                                                                                                         |
| Prism               | 015,019,047,194                                                                                                                 |
| Proscan             | 005,014,056,077,131,133,144,160,232,268,269,425                                                                                 |
| Proton              | 002,006,013, 054,056,151,155,221,280,287,342                                                                                    |
| Protron             | 346,388                                                                                                                         |
| Proview             | 352,353                                                                                                                         |
| Pulsar              | 003,004,006,024,151,235                                                                                                         |

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| Pulser         | 006,024                                                                                                                                                                                         |
| Quartz         | 006,030                                                                                                                                                                                         |
| Quasar         | 003,009,015,018,019,035,047,063,145,146,150,194,207,275,276                                                                                                                                     |
| Rabbit         | 014                                                                                                                                                                                             |
| Radio Shack    | 006,010,011,013,014,020,030,032,035,041,052,062,077,133,141,143,151,155,183,184,190,191,275,309,317                                                                                             |
| RCA            | 001,005,006,008,012,014,015,018,023,025,035,066,077,085,121,124,131,133,135,144,148,150,151,152,155,160,167,190,194,222,223,225,227,232,236,245,248,268,269,282,288,289,317,431,486             |
| Realistic      | 002,003,006,010,011,013,014,020,030,032,035,041,052,062,133,151,155,183,184,190,191,275,309                                                                                                     |
| Replay TV      | 484                                                                                                                                                                                             |
| Rhapsody       | 042,159                                                                                                                                                                                         |
| Road Authority | 049                                                                                                                                                                                             |
| Runco          | 003,004,010,021,059,235,283                                                                                                                                                                     |
| Sampo          | 010,011,013,014,052,138,139,151,155,188,244,280                                                                                                                                                 |
| Samsung        | 004,006,010,011,013,014,018,019,020,021,032,052,056,071,082,093,127,151,152,154,155,160,211,213,229,230,231,277,318,329,393,395,401,402,404,414,416                                             |
| Samsux         | 012,013,155                                                                                                                                                                                     |
| Samtron        | 230                                                                                                                                                                                             |
| Sanky          | 006,010,012,013,021,048                                                                                                                                                                         |
| Sansui         | 006,010,021,035,055,141,142,253,315,441,443,492                                                                                                                                                 |
| Santeca        | 294                                                                                                                                                                                             |
| Sanyo          | 001,014,018,022,029,032,034,038,052,055,089,118,138,151,191,224,233,234,407,412,430                                                                                                             |
| Saville        | 021                                                                                                                                                                                             |
| Sceptre        | 260,367                                                                                                                                                                                         |
| Scimitsu       | 006                                                                                                                                                                                             |
| Scotch         | 006,151,155                                                                                                                                                                                     |
| Scott          | 006,010,013,039,040,041,046,062,151,155,168,177,184,193                                                                                                                                         |
| Sears          | 001,003,004,005,006,007,008,009,010,011,012,013,014,015,017,018,019,020,021,025,026,029,032,033,034,035,036,038,040,048,052,077,109,127,133,141,151,155,160,191,193,201,230,232,234,290,320,325 |
| Seimitsu       | 006                                                                                                                                                                                             |
| Selectron      | 078,349,350,490,491,492                                                                                                                                                                         |
| Semp           | 333                                                                                                                                                                                             |
| Sharp          | 006,011,013,018,025,035,040,041,051,058,068,069,104,151,153,155,165,201,242,243,308,406,438,478                                                                                                 |
| Shengchia      | 025                                                                                                                                                                                             |
| Shivaki        | 006                                                                                                                                                                                             |
| Shogun         | 006,151                                                                                                                                                                                         |
| Siemens        | 011,028                                                                                                                                                                                         |
| Signature      | 003,010,014,025,035,039,040,044,133                                                                                                                                                             |
| Silver         | 006                                                                                                                                                                                             |
| Simpson        | 010,006,043,044                                                                                                                                                                                 |
| Singer         | 021,024                                                                                                                                                                                         |
| Solardrape     | 001,011                                                                                                                                                                                         |
| Sole           | 092                                                                                                                                                                                             |
| Sonic          | 159                                                                                                                                                                                             |
| Sony           | 001,004,017,030,032,098,141,149,158,208,319,391,394,397,446,447,471                                                                                                                             |
| Soundesign     | 006,020,040,041,043,062,151,155,184,193                                                                                                                                                         |
| Sova           | 335,360                                                                                                                                                                                         |
| Soyo           | 365,366,433                                                                                                                                                                                     |
| Spectra        | 304                                                                                                                                                                                             |
| Spectravision  | 006,033,034,040,043,301                                                                                                                                                                         |
| Spectricon     | 002,011                                                                                                                                                                                         |
| Squareview     | 038,290                                                                                                                                                                                         |
| SR1740         | 032,038                                                                                                                                                                                         |
| SSS            | 006,041,062,151,184                                                                                                                                                                             |

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| Standard Components | 045                                                                                                                         |
| Star Sight          | 202                                                                                                                         |
| Starlite            | 006,041,046,062                                                                                                             |
| Sunbrite            | 427                                                                                                                         |
| Superscan           | 025,109,201,325                                                                                                             |
| Supersonic          | 330                                                                                                                         |
| Supra               | 151,214                                                                                                                     |
| Supremacy           | 013,043,279                                                                                                                 |
| Supreme             | 001,149                                                                                                                     |
| SV1740              | 018                                                                                                                         |
| SVA                 | 078,110,306                                                                                                                 |
| Sylvania            | 001,006,007,009,010,014,015,018,020,024,026,032,034,038,040,043,044,141,151,155,205,210,253,257,267,285,290,309,325,435     |
| Symphonic           | 001,006,038,040,041,062,141,168,290,309,325                                                                                 |
| Syntax              | 130,353,374,375                                                                                                             |
| Tandy               | 013,025,035,045,165                                                                                                         |
| Tatung              | 001,002,012,015,019,139,150,298                                                                                             |
| Teac                | 029,032,034,049,069,072                                                                                                     |
| Technics            | 015,018,019,047,194                                                                                                         |
| Technisat           | 488                                                                                                                         |
| Technol Ace         | 040                                                                                                                         |
| Technovox           | 010                                                                                                                         |
| Techwood            | 002,015,019,020,021,047,151,155,194                                                                                         |
| Teknika             | 003,006,011,013,018,020,021,024,030,040,041,043,052,055,062,127,133,151,152,155,184,193,230,275,279                         |
| Telecaption         | 239                                                                                                                         |
| Telecolor           | 004                                                                                                                         |
| Telefunken          | 020,071                                                                                                                     |
| Telerent            | 133,003                                                                                                                     |
| Teleton             | 043                                                                                                                         |
| Tera                | 151,287                                                                                                                     |
| Tevion              | 298                                                                                                                         |
| Thomas              | 006,013,014,020,141                                                                                                         |
| Thomson             | 014,133                                                                                                                     |
| TMK                 | 006,020,039,041,046,151,155                                                                                                 |
| Tnci                | 004                                                                                                                         |
| Tocom               | 033                                                                                                                         |
| Tomashi             | 049                                                                                                                         |
| Toshiba             | 021,028,030,032,033,035,036,052,063,096,102,123,125,127,128,136,137,191,230,239,241,257,275,283,312,318,320,328,422,440,473 |
| Tosonic             | 042                                                                                                                         |
| Totevision          | 013,015                                                                                                                     |
| Toyomenka           | 006                                                                                                                         |
| Truetone            | 015,019,047                                                                                                                 |
| Trutech             | 355,363,378                                                                                                                 |
| TVS                 | 055                                                                                                                         |
| Uher                | 006                                                                                                                         |
| Ultra               | 006,013,024                                                                                                                 |
| Unitech             | 013                                                                                                                         |
| Universal           | 008,014,218                                                                                                                 |
| Universum           | 011,029,037,039                                                                                                             |
| V                   | 109,115,138,139                                                                                                             |
| Vidtech             | 151,152,155                                                                                                                 |
| View Sonic          | 066,108,109,115,138,188,342,377,469                                                                                         |
| Viking              | 279                                                                                                                         |
| Viore               | 347,428,442                                                                                                                 |
| Vivtor              | 199                                                                                                                         |
| Visio               | 109,115,138,139                                                                                                             |
| Vizio               | 109,115,139,343,450                                                                                                         |
| Vector Research     | 010                                                                                                                         |
| Victor              | 017                                                                                                                         |

|                    |                                                                                                                                                                 |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Vidikron           | 018                                                                                                                                                             |
| Vidtech            | 006                                                                                                                                                             |
| Viking             | 021                                                                                                                                                             |
| Wards              | 001,003,004,005,006,007,008,010,012,013,014,015,018,020,025,026,031,032,035,036,040,043,044,046,125,133,151,152,155,168,193,205,210,218,240                     |
| Waycon             | 033                                                                                                                                                             |
| Welton             | 006                                                                                                                                                             |
| Westinghouse       | 001,054,115,117,237,379                                                                                                                                         |
| White-Westinghouse | 040,046,054,055,061,117,213,225,249,309,340,470                                                                                                                 |
| World              | 041,046,054,055                                                                                                                                                 |
| XR 0680            | 003,026,032,038,040,041                                                                                                                                         |
| Yamaha             | 006,010,084,097,151,152,155,275                                                                                                                                 |
| Yorx               | 010                                                                                                                                                             |
| Zenith             | 001,003,004,006,010,013,014,024,025,028,029,038,039,055,071,123,128,141,142,151,155,180,181,192,198,202,212,235,249,250,253,262,308,309,311,314,315,316,318,398 |
| Zonda              | 002,086                                                                                                                                                         |

## TV/VCR COMBOS

| BRAND      | TV  | VCR |
|------------|-----|-----|
| Broksonic  | 458 |     |
| Mitsubishi | 415 | 495 |
| Samsung    |     | 494 |
| Sansui     | 443 |     |
| Sanyo      |     | 493 |

## TV/ COMBOS

| BRAND    | TV  |  |
|----------|-----|--|
| Akai     | 410 |  |
| Audiovox | 436 |  |
| Sony     | 397 |  |

## HD TV Set Top Boxes

|             |                 |
|-------------|-----------------|
| Access      | 210             |
| Airlink     | 211             |
| Apex        | 225             |
| Artec       | 212             |
| Coship      | 221             |
| Digital     | 220             |
| GE          | 219             |
| Go Video    | 168             |
| Hitachi     | 181             |
| Hughes      | 181,201         |
| Insignia    | 216             |
| LG          | 181,201         |
| Magnavox    | 224             |
| Mitsubishi  | 181             |
| Motorola    | 174             |
| Philips     | 181             |
| Pioneer     | 163             |
| Proscan     | 018             |
| Radio Shack | 215             |
| RCA         | 018,195,213,214 |
| Samsung     | 153             |
| Sony        | 196             |
| Sylvania    | 143             |
| Toshiba     | 181,201         |
| Winegard    | 217,218         |
| Zenith      | 046, 222        |

| DVD                   | BRAND                                                        | DVD |
|-----------------------|--------------------------------------------------------------|-----|
| 3D LAB                | 002,008,527,528                                              |     |
| Accurian              | 023,024,034,039,047,094,101,539                              |     |
| Acesonic              | 300                                                          |     |
| Advent                | 195                                                          |     |
| Afreey                | 136                                                          |     |
| Aiwa                  | 018                                                          |     |
| Akai                  | 025,027,055,120,151,289,294,477                              |     |
| Alba                  | 021,029                                                      |     |
| Allegro               | 031,127,312,540                                              |     |
| Ames                  | 147                                                          |     |
| Amw                   | 192,193                                                      |     |
| Anaba                 | 223                                                          |     |
| Anam                  | 104                                                          |     |
| Apex                  | 021,038,112,116,117,125,140,146,152,154, 169,188,206,482,483 |     |
| Apex Digital          | 006,021,029,038,043,057                                      |     |
| Arrgo                 | 059,529                                                      |     |
| Aspire                | 202                                                          |     |
| Aspire Digital        | 093                                                          |     |
| Astar                 | 282                                                          |     |
| A-Trend               | 118                                                          |     |
| Audiovox              | 023,029,065,071,072,194,298                                  |     |
| Axion                 | 023,065,194                                                  |     |
| B&K                   | 237                                                          |     |
| Blaupunkt             | 029,146                                                      |     |
| Blue Parade           | 011                                                          |     |
| Blue Sky              | 021,025,134,305                                              |     |
| Body Sonic            | 136                                                          |     |
| Bose                  | 170                                                          |     |
| Boss                  | 186                                                          |     |
| Boston Acoustic       | 051,119,226                                                  |     |
| Broksonic             | 025,051,541                                                  |     |
| California Audio Labs | 001,531                                                      |     |
| Cavs                  | 296                                                          |     |
| Celestial             | 057                                                          |     |
| Centrex               | 021                                                          |     |
| Centrios              | 039,161,194,217,251,252,256,257,258,259,261                  |     |
| Changhong             | 125                                                          |     |
| Cine Vision           | 031,045,054,127                                              |     |
| Cinea                 | 044                                                          |     |
| Cinego                | 091                                                          |     |
| Citbch                | 264                                                          |     |
| Citizen               | 056,264,484                                                  |     |
| Clairtone             | 011                                                          |     |
| Classic               | 125,147,248                                                  |     |
| COBY                  | 021,068,070,173,191,198,213,214,280,288,292,293,304,560      |     |
| Concept               | 146                                                          |     |
| Conia                 | 021                                                          |     |
| CPX                   | 205,212                                                      |     |
| Craig                 | 044                                                          |     |
| Creative              | 002,008                                                      |     |
| Criterion             | 160                                                          |     |
| Curtis Mathes         | 521                                                          |     |
| Curtis International  | 198,199                                                      |     |
| Cyber Home            | 041,053,059,060,118,207,242,523                              |     |
| Cyber Vision          | 108                                                          |     |
| Cytron                | 027,044,114                                                  |     |
| Daewoo                | 027,031,036,045,078,080,081,155,156,159,230                  |     |
| Denon                 | 001,017,121,138,507                                          |     |
| Denzel                | 144                                                          |     |

|                  |                                                                              |
|------------------|------------------------------------------------------------------------------|
| Desay            | 093                                                                          |
| Diamond Vision   | 172,175,215                                                                  |
| Digital Max      | 102                                                                          |
| Digitrex         | 021                                                                          |
| Digix            | 203                                                                          |
| Disney           | 022,086,168                                                                  |
| DiVi Do          | 027                                                                          |
| Drive            | 283                                                                          |
| Dual             | 022,044,064,067,144,281                                                      |
| Durabrand        | 044,073,127,161,277,278,279                                                  |
| DVD 0932         | 003                                                                          |
| DVD 1710         | 126                                                                          |
| Eigervision      | 297                                                                          |
| Electrohome      | 056                                                                          |
| Elta             | 150,151                                                                      |
| Emerson          | 022,031,042,127,167,168,208                                                  |
| Enterprise       | 031                                                                          |
| Entivo           | 002,008                                                                      |
| Esa              | 042,064                                                                      |
| Fahrenheit       | 222                                                                          |
| Fisher           | 135                                                                          |
| Funai            | 022,042,088,167,168                                                          |
| Gateway          | 077,550                                                                      |
| GE               | 004,029,040,130,146                                                          |
| General Electric | 029                                                                          |
| Gold Star        | 031,127                                                                      |
| Go Video         | 012,028,029,031,032,035,045,066,069,077,087,129,142,147,165,166, 179,230,555 |
| Go Vision        | 023,065                                                                      |
| Gradiente        | 001,110,111,134                                                              |
| Greenhill        | 029,146                                                                      |
| Grundig          | 008,027                                                                      |
| Haaz             | 030,163                                                                      |
| Haier            | 204                                                                          |
| Harman/Kardon    | 143                                                                          |
| Hitachi          | 011,012,020,082,113,129,137,144                                              |
| Hiteker          | 021                                                                          |
| HP               | 486                                                                          |
| Humax            | 187                                                                          |
| ILO              | 089,221,262                                                                  |
| Infinity         | 136                                                                          |
| Initial          | 029,146,262,276                                                              |
| Insignia         | 031,042,127,146,167,182,194,481,491                                          |
| Integra          | 011,014                                                                      |
| IRT              | 035                                                                          |
| JBL              | 143                                                                          |
| JMB              | 025                                                                          |
| JVC              | 008,010,013,050,123,128,178,196,225,480,499,551,559                          |
| Jwin             | 116,172,174,291,534,536                                                      |
| Kawasaki         | 047,161                                                                      |
| Kenwood          | 001,007,121,145                                                              |
| Kiss             | 144                                                                          |
| KLH              | 029,057,075,112,146,183                                                      |
| Kloss            | 006                                                                          |
| Konka            | 131,132,133,182                                                              |
| Koss             | 057,114,134                                                                  |
| Kxd              | 173                                                                          |
| Lasonic          | 014,163,215                                                                  |
| Lecson           | 099                                                                          |
| Lennox           | 073,151,201,278                                                              |

|                  |                                                                                     |
|------------------|-------------------------------------------------------------------------------------|
| Lexicon          | 500                                                                                 |
| LG               | 031,127,231,501,546                                                                 |
| Linn             | 158                                                                                 |
| Liteon           | 062,077,094,177,179,221,241,462,548,552                                             |
| Loewe            | 031                                                                                 |
| Logix            | 035                                                                                 |
| Magnasonic       | 022                                                                                 |
| Magnavox         | 002,008,019,022,042,123,167,168,189,190,228,238,239,240,502,526,530,532,533,535     |
| Malata           | 553                                                                                 |
| Marantz          | 002,008,022,123,127,139,240                                                         |
| Maxent           | 180,196                                                                             |
| McIntosh         | 099                                                                                 |
| Memorex          | 025,044,086,247,299,474,506,514,519                                                 |
| Meridian         | 123                                                                                 |
| Microsoft        | 004,100,130                                                                         |
| Microvision      | 186                                                                                 |
| Minato           | 033                                                                                 |
| Mintek           | 029,146                                                                             |
| Mitsubishi       | 003,098,126,485                                                                     |
| Mustek           | 147                                                                                 |
| Myron&Davis      | 224                                                                                 |
| NAD              | 031,127,149                                                                         |
| Nakamichi        | 148                                                                                 |
| NEC              | 031,037,127                                                                         |
| Nesa             | 029,146,224                                                                         |
| Nexstech         | 036,064,081,092,112,161,203,219,249,251,252,253,254,260,261                         |
| Norcent          | 056,070,197,198,241                                                                 |
| Onkyo            | 002,014,123,234,509,558                                                             |
| Optimus          | 011                                                                                 |
| Oppo             | 505                                                                                 |
| Orion            | 025,119                                                                             |
| Oritron          | 134,257                                                                             |
| Pacific          | 044                                                                                 |
| Palsonic         | 021                                                                                 |
| Panasonic        | 001,002,011,026,090,096,097,103,113,121,216,229,233,471,490,520,544,557             |
| Philco           | 030,048,109                                                                         |
| Philips          | 002,008,019,022,046,084,085,123,134,139,167,168,228,238,239,240,285,306,489,545,549 |
| Philips Magnavox | 008,123,139,238,239                                                                 |
| Pianodisc        | 060                                                                                 |
| Pioneer          | 005,011,016,184,227,235,236,275,503,547                                             |
| Piva             | 266                                                                                 |
| Polaroid         | 057,068,112,220,303                                                                 |
| Polk Audio       | 008,123,240                                                                         |
| Portland         | 036,151                                                                             |
| Power Acoustik   | 290                                                                                 |
| Presidian        | 022,023,102                                                                         |
| Proceed          | 021                                                                                 |
| Proline          | 134                                                                                 |
| Proscan          | 004,130,171                                                                         |
| Prosonic         | 070                                                                                 |
| Prottron         | 197                                                                                 |
| Pyle             | 185                                                                                 |
| Radio Shack      | 011,105,106,161,164,470                                                             |
| Radionette       | 031                                                                                 |
| RCA              | 004,011,029,058,074,086,104,105,130,134,146,161,164,171,522,554                     |
| Realistic        | 011                                                                                 |
| Regent           | 201,277                                                                             |
| Reoc             | 033,163                                                                             |

|                    |                                                                 |
|--------------------|-----------------------------------------------------------------|
| RIO                | 031,127                                                         |
| RJ Technology      | 267,286                                                         |
| Rosen              | 200                                                             |
| Rotel              | 013,128                                                         |
| Saba               | 106                                                             |
| Sampo              | 033,136                                                         |
| Samsung            | 001,012,032,055,066,129,165,166,210,287,478,479,488,498         |
| Sansui             | 025,119,226                                                     |
| Sanyo              | 022,025,052,088,135,161,181,476                                 |
| Schneider          | 035                                                             |
| Schwaiger          | 033                                                             |
| Sears              | 119,167                                                         |
| Seg                | 144                                                             |
| Selectron          | 268,269,270,271,272,273,274                                     |
| Semp               | 114                                                             |
| Sensory Science    | 077                                                             |
| Sharp              | 015,022,033,083,122,176,512,524                                 |
| Sherwood           | 141,510                                                         |
| Shinco             | 146                                                             |
| Shinonic           | 006,029,146                                                     |
| Slim Art           | 036                                                             |
| Sonic Blue         | 012,028,031,035,069                                             |
| Sony               | 006,049,095,099,115,124,243,244,245,246,473,487,537,538,543     |
| Soundstorm         | 185,186                                                         |
| Sova               | 072,284                                                         |
| Sungale            | 214,218                                                         |
| Superscan          | 042,167                                                         |
| Supersonic         | 212                                                             |
| SV 1710            | 167                                                             |
| SVA                | 021,029,033                                                     |
| Sylvania           | 015,022,042,167,168,511,556                                     |
| Symphonic          | 022,042,088,167,168                                             |
| Tascam             | 128                                                             |
| Teac               | 011,029,127,161                                                 |
| Techa Digital      | 011                                                             |
| Technics           | 001,026,121                                                     |
| Techwood           | 008,149,263                                                     |
| Terapin            | 211                                                             |
| Tevion             | 030,044,064,114,160,162,163                                     |
| Theta Digital      | 011                                                             |
| Thomson            | 004                                                             |
| Tiquidvideo        | 194                                                             |
| Tivo               | 184,187                                                         |
| Toshiba            | 002,008,012,025,061,076,123,232,295,301,373,475,515,516,525,542 |
| Tredex             | 209                                                             |
| Trutech            | 230,250,302                                                     |
| TYT                | 027                                                             |
| United             | 161                                                             |
| Universum          | 031                                                             |
| Urban Concepts     | 002,008                                                         |
| US Logic           | 029                                                             |
| V                  | 063,079                                                         |
| Venturer           | 161                                                             |
| Visio              | 063,079                                                         |
| Vizio              | 063,079,513                                                     |
| Westinghouse       | 244                                                             |
| Wharfedale         | 136,157                                                         |
| White Westinghouse | 168                                                             |
| X-Box              | 004,100,130                                                     |
| Xenius             | 114                                                             |

|          |                             |
|----------|-----------------------------|
| Yamaha   | 001,008,009,155,238,239,504 |
| Yamakawa | 144,153,255                 |
| Zenith   | 002,031,123,127             |
| Zeus     | 036                         |
| Others   | 107,265                     |

## Blue-ray DVD

| BRAND     | DVD |
|-----------|-----|
| HP        | 486 |
| Denon     | 507 |
| Memorex   | 506 |
| Onkyo     | 509 |
| Oppo      | 505 |
| Panasonic | 490 |
| Phillips  | 489 |
| Pioneer   | 503 |
| Samsung   | 488 |
| Sharp     | 512 |
| Sherwood  | 510 |
| Sony      | 487 |
| Sylvania  | 511 |
| Toshiba   | 515 |
| Vizio     | 513 |
| Yamah     | 504 |

## HD-DVD

| BRAND     | DVD |
|-----------|-----|
| Panasonic | 471 |
| Toshiba   | 472 |

## DVD-R

| BRAND                 | DVD     |
|-----------------------|---------|
| California Audio Labs | 531     |
| COBY                  | 560     |
| Gateway               | 550     |
| JVC                   | 551,559 |
| Liteon                | 552     |
| Magnavox              | 530     |
| Memorex               | 474     |
| Panasonic             | 544,557 |
| Philips               | 545,549 |
| Pioneer               | 547     |
| Sony                  | 473,543 |
| Toshiba               | 542     |

## DVD/VCR COMBOS

| BRAND     | DVD | VCR |
|-----------|-----|-----|
| Allegro   | 540 |     |
| Broksonic | 541 |     |
| LG        | 546 |     |
| Magnavox  | 530 |     |
| Panasonic | 544 |     |
| Toshiba   | 516 | 492 |

## DVR/PVR

| BRAND       | VCR |
|-------------|-----|
| ABS         | 372 |
| Alienware   | 372 |
| Archos      | 517 |
| AT&T        | 348 |
| Cyber Power | 372 |

|                        |                                             |
|------------------------|---------------------------------------------|
| Dell                   | 372                                         |
| Dish Network           | 497                                         |
| DirecTV                | 372                                         |
| Gateway                | 372                                         |
| Hewlett Packard        | 372                                         |
| Howard Computers       | 372                                         |
| HP                     | 372                                         |
| Hughes                 | 464                                         |
| Hughes Network Systems | 349                                         |
| Humax                  | 187,349,561                                 |
| Hush                   | 372                                         |
| Ibuppwer               | 372                                         |
| LG                     | 546                                         |
| Linksys                | 372                                         |
| Lorex                  | 563                                         |
| Media Center PC        | 372                                         |
| Microsoft              | 372                                         |
| Mind                   | 372                                         |
| Niveus Media           | 372                                         |
| Northgate              | 372                                         |
| Pananonic              | 113,348,372,472                             |
| Philips                | 349,440,441,455, 562                        |
| Piolaroid              | 303                                         |
| Pioneer                | 184,236                                     |
| RCA                    | 130                                         |
| Replay TV              | 347,348                                     |
| Samsung                | 349                                         |
| Sonic Blue             | 347,348                                     |
| Sony                   | 244,245,246,351,372,456,463,465             |
| Stack 9                | 372                                         |
| Tagar Systems          | 372                                         |
| Thomson                | 508                                         |
| TiVo                   | 184,187,349,351,373,440,441,455,456,465,496 |
| Toshiba                | 355,372,373                                 |
| Touch                  | 372                                         |
| View Sonic             | 372                                         |
| Voodoo                 | 372                                         |
| Vudu                   | 518                                         |
| ZT Group               | 372                                         |

## VCR

| BRAND         | VCR                                 |
|---------------|-------------------------------------|
| ABS           | 372                                 |
| Accele        | 445                                 |
| Admiral       | 313,318,319,321,322,327,333,342,374 |
| Adventura     | 307,336,339,372                     |
| Aiko          | 393                                 |
| Aiwa          | 307,312,339,361,372,375,403         |
| Akai          | 331,375,376,377,378,379,394,418,435 |
| Alba          | 333                                 |
| Alienware     | 372                                 |
| Allegro       | 312,313,361,388,390,432             |
| A Mark        | 307,336,372                         |
| American High | 311,325,412                         |
| Amstrad       | 307                                 |
| Apex          | 112                                 |
| Archos        | 517                                 |
| Asha          | 336,445                             |
| Astra         | 311,336                             |
| AT&T          | 348                                 |

|                |                                                                                                                                                                                           |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Audio Dynamics | 324,382,457                                                                                                                                                                               |
| Audio-Technica | 320                                                                                                                                                                                       |
| Audiovox       | 312,372                                                                                                                                                                                   |
| Avis           | 307                                                                                                                                                                                       |
| Beaumarck      | 336,445                                                                                                                                                                                   |
| Bell&Howell    | 307,311,313,317,319,327,342, 402                                                                                                                                                          |
| Broksonic      | 119,226,308,328,333,342,369,385,392,395,396,410,422                                                                                                                                       |
| Calix          | 312,372                                                                                                                                                                                   |
| Candle         | 312,372,382,386,387,389,445                                                                                                                                                               |
| Canon          | 311                                                                                                                                                                                       |
| Cannon         | 321,412,437                                                                                                                                                                               |
| Capehart       | 308,322,432                                                                                                                                                                               |
| Carrera        | 336                                                                                                                                                                                       |
| Carver         | 311,325,344                                                                                                                                                                               |
| CCE            | 393,446                                                                                                                                                                                   |
| Cine Vision    | 312,361                                                                                                                                                                                   |
| Citizen        | 307,311,312,333,336,342,368,372,382,386,387,389,393,445                                                                                                                                   |
| Classic        | 372                                                                                                                                                                                       |
| Colortyme      | 311,316,321,382                                                                                                                                                                           |
| Colt           | 307,446                                                                                                                                                                                   |
| Craig          | 312,318,336,372,445,446                                                                                                                                                                   |
| Criterion      | 307                                                                                                                                                                                       |
| Crosley        | 307,311,325,329                                                                                                                                                                           |
| Curtis Mathes  | 307,311,321,330,336,340,341,344,358,375,382,391, 412,434,445,448                                                                                                                          |
| Cybernex       | 336,445                                                                                                                                                                                   |
| Cyber Power    | 372                                                                                                                                                                                       |
| Daewoo         | 230,372,316,317,339,361,368,386,387,389,392,393,407,434                                                                                                                                   |
| Daytron        | 372                                                                                                                                                                                       |
| DBX            | 324,382,457                                                                                                                                                                               |
| DELL           | 372                                                                                                                                                                                       |
| Denon          | 314,325,420                                                                                                                                                                               |
| Diamond vision | 175                                                                                                                                                                                       |
| Dimensia       | 321                                                                                                                                                                                       |
| Directv        | 349                                                                                                                                                                                       |
| Dish Network   | 497                                                                                                                                                                                       |
| Dual           | 307                                                                                                                                                                                       |
| Durabrand      | 312,313                                                                                                                                                                                   |
| Dynatech       | 307,336,339,375                                                                                                                                                                           |
| Eknika         | 312,339,375,412,429                                                                                                                                                                       |
| Electrohome    | 307,312,315,321,333,336,372,394                                                                                                                                                           |
| Electrohome    | 312,372                                                                                                                                                                                   |
| Emerald        | 328                                                                                                                                                                                       |
| Emerex         | 309                                                                                                                                                                                       |
| Emerson        | 167,168,307,308,312,315,328,332,333,336,339,342,346,368,369,3 70,372,375,379,381,385,386,391,392,393,394,395,396,397,398,39 9,400,401,402,403,404,410,411,412,416,422,429,433,438,445 361 |
| ESA            |                                                                                                                                                                                           |
| Fisher         | 307,313,317,318,323,327,344,382,402,405,419                                                                                                                                               |
| Fuji           | 310,311,377,412                                                                                                                                                                           |
| Fujitsu        | 307                                                                                                                                                                                       |
| Funai          | 167,168,307,339,346,370,372,375                                                                                                                                                           |
| Garrard        | 307,339                                                                                                                                                                                   |
| Gateway        | 372                                                                                                                                                                                       |
| GE             | 307,311,319,321,329,332,336,352,358,406,412,423,423,439,445                                                                                                                               |
| GE Homeminder  | 466                                                                                                                                                                                       |
| Gemini         | 321                                                                                                                                                                                       |
| Genexxa        | 307,372                                                                                                                                                                                   |
| Gold Star      | 307,311,312,313,343,361,366,372,375,382,432,436,442                                                                                                                                       |
| Goodmans       | 307,322,325,372                                                                                                                                                                           |
| Go Video       | 336,340,347,350,361, 129,142,166,230,445,453                                                                                                                                              |

|                        |                                                                                                                              |
|------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Gradiente              | 307,312,339                                                                                                                  |
| Granada                | 314,325                                                                                                                      |
| Grundig                | 325                                                                                                                          |
| Harley-Davidson        | 307,339                                                                                                                      |
| Harman/Kardon          | 325,382,394                                                                                                                  |
| Harwood                | 446                                                                                                                          |
| Headquarter            | 317,402                                                                                                                      |
| Hewlett Packard        | 372                                                                                                                          |
| HL-Q                   | 307,311,318                                                                                                                  |
| Hitachi                | 307,311,314,316,326,337,372,375,418,443,454                                                                                  |
| Home Automation        | 467                                                                                                                          |
| Howard Computers       | 372                                                                                                                          |
| HP                     | 372                                                                                                                          |
| Hughes                 | 464                                                                                                                          |
| Hughes Network Systems | 314,349                                                                                                                      |
| Humax                  | 187,349,561                                                                                                                  |
| Hush                   | 372                                                                                                                          |
| Hytek                  | 307,318                                                                                                                      |
| Ibuypower              | 372                                                                                                                          |
| Infinity               | 409                                                                                                                          |
| Insignia               | 031,312                                                                                                                      |
| Instant Replay         | 375,412                                                                                                                      |
| Inteq                  | 312                                                                                                                          |
| ITT Nokia              | 336,337                                                                                                                      |
| Janeil                 | 336                                                                                                                          |
| JC Penney              | 266,312,321,324,337,382,402,412,418,445,454,457                                                                              |
| JCL                    | 412                                                                                                                          |
| Jensen                 | 324,418,454                                                                                                                  |
| JVC                    | 050,178,320,324,364,382,390,402,418,457                                                                                      |
| KEC                    | 372                                                                                                                          |
| Kenwood                | 317,324,382,402,418,457                                                                                                      |
| KLH                    | 446                                                                                                                          |
| Kodak                  | 311,312,372,412                                                                                                              |
| KTV                    | 307                                                                                                                          |
| LG                     | 031,312,336,343,361,372,375,432,436                                                                                          |
| Linksys                | 372                                                                                                                          |
| Liteon                 | 462                                                                                                                          |
| Lloyd                  | 339,375                                                                                                                      |
| Lloyd's                | 307,336                                                                                                                      |
| Loewe                  | 325                                                                                                                          |
| Logik                  | 307,336,446                                                                                                                  |
| Lorex                  | 563                                                                                                                          |
| Luxor                  | 317                                                                                                                          |
| LXI                    | 307,312,314,324,372,375                                                                                                      |
| Lutron                 | 468                                                                                                                          |
| Magnasonic             | 307,336,346,368,372                                                                                                          |
| Magnavox               | 167,189,228,307,311,313,319,321,325,329,336,344,346,349,370,37 1,372,374,375,383,408,409,412,432                             |
| Magnin                 | 336,445                                                                                                                      |
| Marantz                | 311,322,324,325,344,382,402,410,412,437,457                                                                                  |
| Marta                  | 312,372                                                                                                                      |
| Matsui                 | 372,333                                                                                                                      |
| Matsushita             | 311,325,330,341,364,412                                                                                                      |
| Medion                 | 175                                                                                                                          |
| MEI                    | 311,412                                                                                                                      |
| M Electronic           | 336                                                                                                                          |
| Media Center PC        | 372                                                                                                                          |
| Memorex                | 307,311,312,313,317,318,319,322,327,330,333,336,337,338,339,34 1,342,344,364,366,367,372,374,375,402,412,419,422,432,435,445 |
| Metz                   | 372                                                                                                                          |

|                     |                                                                                                                 |
|---------------------|-----------------------------------------------------------------------------------------------------------------|
| MGA                 | 315,321,336,394,411                                                                                             |
| MGN Technology      | 336,441                                                                                                         |
| Microsoft           | 372                                                                                                             |
| Midland             | 336,406                                                                                                         |
| Mind                | 372                                                                                                             |
| Minolta             | 314, 337,454                                                                                                    |
| Mitsubishi          | 307,314,315,318,319,321,324,352,394,411,413,414,454,457,495                                                     |
| Montgomery Ward     | 374,415                                                                                                         |
| Motorola            | 311,319,374,412                                                                                                 |
| MTC                 | 307,336,339,375,445                                                                                             |
| MTX                 | 307                                                                                                             |
| Multitech           | 307,313,375,339,406,445,446                                                                                     |
| NAD                 | 320,327,336                                                                                                     |
| NEC                 | 324,327,382,391,402,410,416,417,418,457                                                                         |
| Nexxtech            | 112,161,431                                                                                                     |
| Nikko               | 312,372                                                                                                         |
| Nikkodo             | 372                                                                                                             |
| Nishi               | 336                                                                                                             |
| Niveus Media        | 372                                                                                                             |
| Noblex              | 336,445                                                                                                         |
| Northgate           | 372                                                                                                             |
| Olympus             | 311,327,330,412                                                                                                 |
| Onkyo               | 334                                                                                                             |
| Optimus             | 307,311,312,372,318,319,320,322,327,330,336,340,341,345,346,350,359,364,367, 374,445,450                        |
| Optonica            | 322,415,445                                                                                                     |
| Orion               | 307,308,327,328,333,336,342,369,395,422                                                                         |
| Panama              | 311                                                                                                             |
| Panasonic(National) | 090,307,311,321,330,335,341,347,348,358,364,367,412,472                                                         |
| Penney              | 307,311,314,318,324,325,330,336,358,366,372                                                                     |
| Pentax              | 314,337,382,454                                                                                                 |
| Philco              | 307,312,321,325,333,342,344,383,412                                                                             |
| Philips             | 167,307,311,316,319,322,325,330,333,344,348,349,360,408,409,412,440,441,455,458,461,562                         |
| Philips Magnavox    | 344,374,409                                                                                                     |
| Pilot               | 312,372                                                                                                         |
| Piolaroid           | 303                                                                                                             |
| Pioneer             | 266,275,314,320,324,325,330,420,454,457                                                                         |
| Polaroid            | 112                                                                                                             |
| Polk Audio          | 325                                                                                                             |
| Portland            | 387,389                                                                                                         |
| Presidian           | 370                                                                                                             |
| Profitronic         | 336                                                                                                             |
| Proscan             | 321,332                                                                                                         |
| Protec              | 307,446                                                                                                         |
| Pulsar              | 313,336,432                                                                                                     |
| Pulser              | 336                                                                                                             |
| Quarter             | 317,402                                                                                                         |
| Quartz              | 311,317,318,402                                                                                                 |
| Quasar              | 308,311,321,330,341,358,364,367,412                                                                             |
| Radio Shack         | 307,311,312,372,317,318,319,321,322,323,327,330,336,337,338,339,350,364,374,375,394,402,412,415,435,439,445,450 |
| Radix               | 312,372                                                                                                         |
| Randex              | 312,372                                                                                                         |
| RCA                 | 130,307,311,312,314,316,319,320,321,329,332,336,337,350,352,358,376,406,412,421,423,424,425,426,439,445,454     |
| Realistic           | 307,311,312,372,317,318,319,321,322,323,327,328,330,336,338,339,364,374,375, 394,402,412,415,435,445,450        |
| Replaytv            | 347,348                                                                                                         |
| Ricavision          | 372                                                                                                             |
| Ricoh               | 444                                                                                                             |

|                 |                                                                                                                     |
|-----------------|---------------------------------------------------------------------------------------------------------------------|
| Rio             | 127,312,361                                                                                                         |
| Runco           | 313,432                                                                                                             |
| Samsung         | 066,166,210,307,316,321,336,340,349,356,378,386,435,445,448,454, 494                                                |
| Samtron         | 336,445                                                                                                             |
| Sanky           | 313,319,374,432                                                                                                     |
| Sansui          | 119,226,307,308,324,333,336,342,369, 395,418,422,457                                                                |
| Sanyo           | 307,317,318,327,336,337,342,380,402,419,445, 493                                                                    |
| Scott           | 315,316,328,385,386,392,396,399,411,438                                                                             |
| Sears           | 119,167,266,307,310,311,312,313,314,315,316,317,318,319,320,321,323,324,327,330,333,337,344,366,372,402,405,412,454 |
| Sharp           | 307,309,318,319,322,352,354,374,375,387,394,401,415,449,450                                                         |
| Shintom         | 307,313,336,377,444,446,447,454                                                                                     |
| Shogun          | 336,445                                                                                                             |
| Siemens         | 327,372                                                                                                             |
| Signature       | 307,311,317,319,321,323,329,342,372,375                                                                             |
| Singer          | 336,372,412,446                                                                                                     |
| Sonic Blue      | 347,348,361                                                                                                         |
| Sonographe      | 317                                                                                                                 |
| Sony            | 115,307,309,310,311,317,318,324,351,357,365,372,377,427,428,444,451,452,451,456,459,460                             |
| Soundmaster     | 307                                                                                                                 |
| Stack 9         | 372                                                                                                                 |
| STS             | 314,337,412,454                                                                                                     |
| Superscan       | 167                                                                                                                 |
| SV1710          | 307                                                                                                                 |
| SVA             | 307                                                                                                                 |
| Sylvania        | 167,168,307,311,315,321,325,339,344,346,370,371,375,384,411,412                                                     |
| Symphonic       | 167,307,308,336,339,346,370,375,384                                                                                 |
| Systemax        | 372                                                                                                                 |
| Tagar Systems   | 372                                                                                                                 |
| Tandy           | 307,327,375,402                                                                                                     |
| Tashiko         | 312                                                                                                                 |
| Tatung          | 307,319,324,325,418                                                                                                 |
| Teac            | 307,324,339,375,418                                                                                                 |
| Technics        | 307,311,330,372,412                                                                                                 |
| Techwood        | 263                                                                                                                 |
| Teknika         | 307,311,372                                                                                                         |
| Telecorder      | 336                                                                                                                 |
| Tevion          | 342                                                                                                                 |
| Thomas          | 307,308                                                                                                             |
| Thomson         | 321,332,508                                                                                                         |
| Tivo            | 349,351,373,455,456,496                                                                                             |
| TMK             | 307,336,391,416,445                                                                                                 |
| Tnix            | 372                                                                                                                 |
| Tocom           | 336                                                                                                                 |
| Toshiba         | 061,123,307,315,316,322,323,333,336,344,353,355,363,372,373,386,441,438,448,454,492                                 |
| Totevision      | 312,336,372,445                                                                                                     |
| Touch           | 372                                                                                                                 |
| Trix            | 372                                                                                                                 |
| Trutech         | 230                                                                                                                 |
| Ultra           | 316                                                                                                                 |
| Unitech         | 336,445                                                                                                             |
| Vector          | 316                                                                                                                 |
| Vector Research | 324,328,382,386,457                                                                                                 |
| Victor          | 324,457                                                                                                             |
| Video concepts  | 316,324,382,386,394,435                                                                                             |
| Videomagic      | 372                                                                                                                 |
| Videosonic      | 307,336,445                                                                                                         |

|                           |                                                                                                                                 |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| <b>View Sonic</b>         | 372                                                                                                                             |
| <b>Villain</b>            | 307                                                                                                                             |
| <b>Voodoo</b>             | 372                                                                                                                             |
| <b>Vudu</b>               | 518                                                                                                                             |
| <b>Wards</b>              | 312,307,310,311,314,315,316,317,318,319,320,321,322,325,329,33<br>6,337,339,342,372,374,375,386,394,412,415,430,438,445,446,454 |
| <b>Wharfedale</b>         | 346                                                                                                                             |
| <b>White Westinghouse</b> | 307,333,342,375,407                                                                                                             |
| <b>World</b>              | 308,333,342                                                                                                                     |
| <b>X 10(NEC)</b>          | 469                                                                                                                             |
| <b>XR 0880</b>            | 307,311,336,339,412,446                                                                                                         |
| <b>Yamaha</b>             | 324,382,418,457                                                                                                                 |
| <b>Zenith</b>             | 307,310,312,313,324,333,342,361,362,369,372,374,375,377,380,3<br>88,390,393,401,409,422,432,436,443,444,448,453,457             |
| <b>ZT Group</b>           | 372                                                                                                                             |

**AMP**

| <b>BRAND</b>         | <b>AMP</b>      |
|----------------------|-----------------|
| <b>Bose</b>          | 303             |
| <b>Carver</b>        | 306             |
| <b>Curtis Mathes</b> | 300             |
| <b>Gold Star</b>     | 001             |
| <b>Harman/Kardon</b> | 306             |
| <b>JVC</b>           | 301             |
| <b>Left Coast</b>    | 306             |
| <b>Marantz</b>       | 306             |
| <b>Modulaire</b>     | 296             |
| <b>Optimus</b>       | 296,297,300,305 |
| <b>Philips</b>       | 306             |
| <b>Pioneer</b>       | 297,300,305     |
| <b>Polk Audio</b>    | 306             |
| <b>Radio Shack</b>   | 296             |
| <b>RCA</b>           | 297,300,305     |
| <b>Realistic</b>     | 296,297,299     |
| <b>Sony</b>          | 304,307         |
| <b>Victor</b>        | 301             |
| <b>Wards</b>         | 197             |
| <b>Yamaha</b>        | 298,302         |