

Design Specification

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* Specificaon shoud be placed on first language of Manual.

Humax Freesat+ with Freetime

Model: HDR-1000S

LET'S GET STARTED

YOUR USER GUIDE

HUMAX


freesat



Welcome to Freesat.

We are so pleased you bought this Freesat+ with Freetime box.

NOW YOU CAN ENJOY:

- ✓ Quality state of the art satellite TV receiver
- ✓ Over 180 of your favourite channels
- ✓ Picture perfect High Definition (selected channels)
- ✓ BBC iPlayer, ITV Player, 4oD, Demand 5 and YouTube
- ✓ Catch up on the last 7 days of TV with a unique Roll Back TV Guide
- ✓ Showcase (specially selected editorial TV picks)
- ✓ Clever Recording – the smart way to organise your recorded shows
- ✓ Easy plug and play set up
- ✓ Free, expert customer support – visit **freesat.co.uk** or call **0345 313 0051**

NOT INCLUDED

- ✗ Monthly subscriptions (It's free)
- ✗ Lengthy contracts (It's free forever)
- ✗ Baffling, complicated technology (It's simple)

NEED A HAND?

If you need help anywhere along the way, just go to the **Help & info** menu on the **Home** screen, visit **freesat.co.uk** or ask other Freesat customers at **community.freesat.co.uk**

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YOUR REMOTE CONTROL

Recordings – goes to your recordings

Skip backwards – skips backwards in recordings

Stop – stops a recording and On Demand

Rewind – rewind up to x32 times faster

Record – records what you're watching or sets a recording in the TV Guide

Search – brings up the Search screen

Back – goes back one step

MAIN CONTROLS

Up down left right arrows – get around the TV Guide and menus

OK – confirms your selection

Number buttons – to enter channel numbers

SUB – turns subtitles on or off

Standby – puts the box into standby, and on again

Skip forward – skips forward in recordings

Fast forward – fast forward up to x32 times faster

List – sorts the TV Guide into channel groups

Pause – pauses live TV, recordings and On Demand

TV Guide – opens and closes the TV Guide

Exit – returns to live TV

Home – Takes you anywhere in Freetime

i – gives you more info about a programme

Coloured buttons – gives you more options on-screen

AD – turns audio description on or off



TOP TIP

To control your Freesat+ box, make sure that the STB mode is selected on the remote control. To control your TV with your remote control, see page 35.

ON SCREEN ICONS

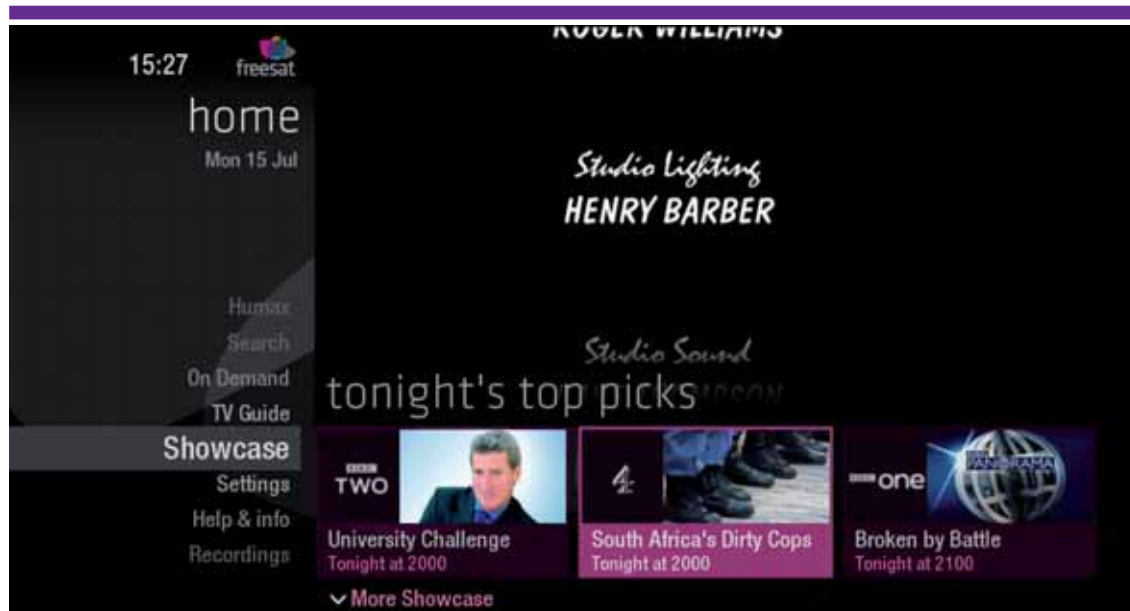
ON SCREEN ICONS

-  May contain material with adult themes
-  Subtitles available
-  Audio description available
-  Shown with sign language
-  5.1 Dolby 5.1 surround sound available
-  3D
-  High definition
-  An HD version also available
-  Reminder
-  Part of Freesat Showcase
-  On Demand alternative available
-  Part of a series

RECORDING ICONS

-  To be deleted soon
-  Kept (won't be deleted)
-  Watched
-  Part watched
-  Series recording
-  Recording set
-  Recording failed

HOME. IT'S WHERE IT ALL HAPPENS.



The Home screen will take you anywhere you want to go. Press **HOME**

Home takes you to:

TV Guide

Ready for some telly? Great. This is the place to come.

Showcase

Full of programme ideas to tempt you. Use **◀** and **▶** to explore our pick of what's on tonight, later this week and On Demand.

Recordings

Your Freesat+ box has room to record all the TV you love, even whole series. And with so much recording space to play with we've made them easy to find and manage in one place.

On Demand

The best free On Demand services full of TV favourites ready to watch when you are. Your Freesat+ box will need to be connected to your router (see page 24).

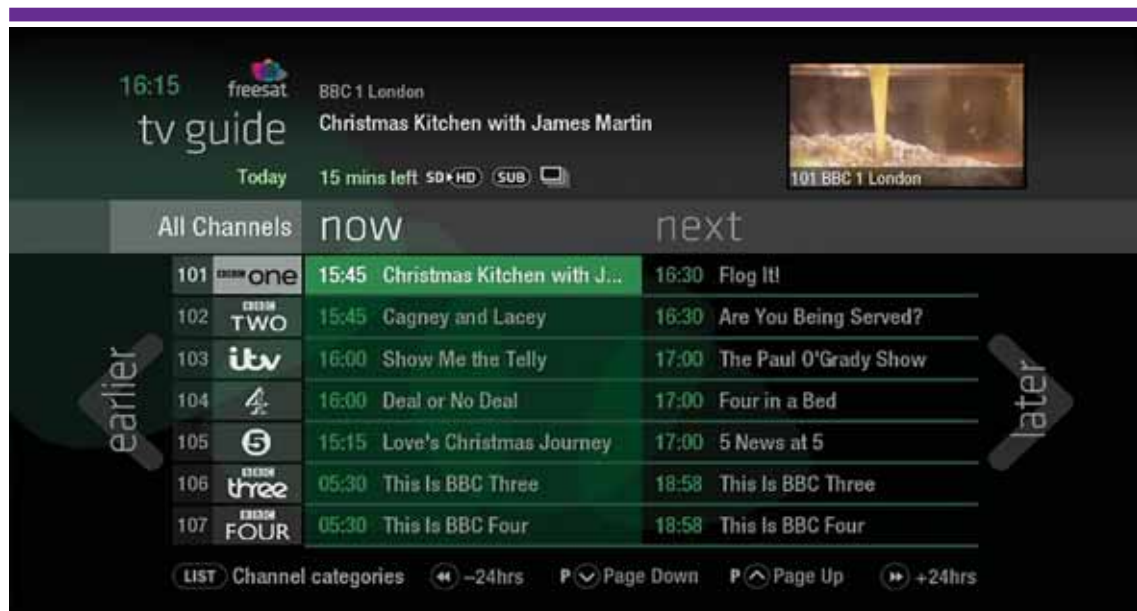
Search

Quickly find a programme without trawling the TV listings.

Help & info

Tips on making the most of your Freesat+ box, and info about services for visually impaired and hard of hearing viewers.

THE TV GUIDE



See what's on the minute you sit down with our new at a glance 'Now & Next' view. Press **TV GUIDE**

Use **⏮** and **⏭** to explore:

- what's on 'Now & Next'

- what's coming up in the next 7 days

- what's been on already but is available for catch up

YOUR MAIN CONTROLS

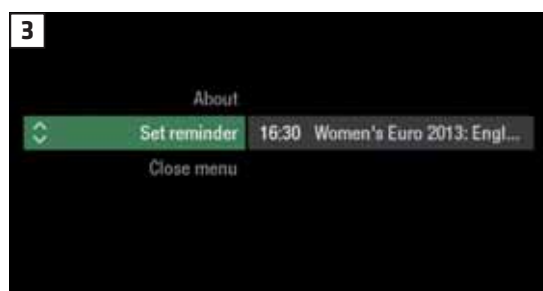
These buttons can get you everywhere.

Press **OK** on a programme in the TV Guide and all the available options for that specific programme will be listed.

So if a programme is on live TV now, highlight it in the TV Guide, press **OK** and the Action Menu will look like screen 2.

If the programme is on later, you'll be able to **Set a reminder**, or **Record** it (Screen 3).

Press **Up** **Down** to scroll through the options and **OK** to select.



TOP TIP

Pressing **OK** on a programme brings up all the available options.

SEEING WHAT'S ON – NOW & NEXT



The TV Guide shows what's on now and next in an 'at a glance' view.

Press **TV GUIDE**

To move through the channels, use

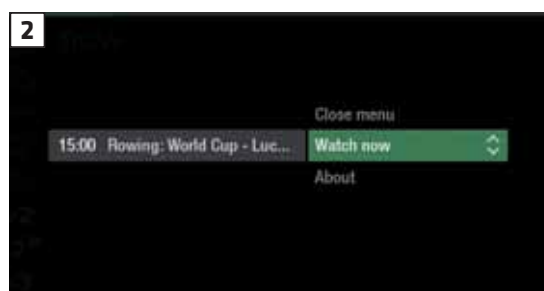
To move through the programmes a page at a time, press **P** and **P**

To move forward and back 24 hours, press and

As you browse through the guide, the short programme info is shown at the top of the screen. For more programme info, press **i**

Highlight a programme and press **OK** and choose **Watch now** (Screen 2).

At any stage to go back to watching TV full screen, press **EXIT**



TOP TIP

If you know the channel number, jump straight to it in the TV Guide with the number buttons.

WATCHING SOMETHING ON EARLIER ◀

You can Roll Back the TV Guide to find programmes that were on earlier ready to watch now.

Available on selected channels with On Demand services on Freesat. Look out for **earlier** highlighted in the TV Guide where this is available.

Continue to press **◀** to highlight 'earlier' on the left hand side of the guide (Screen 1).

Press **◀** again, and bingo. Programmes from earlier on today, ready to watch whenever you are (Screen 2).

You can go back up to 7 days by continuing to press the **◀** (Screen 3).

Highlight a programme you want to watch, press **OK**

To go back to the live TV Guide, continue to press **◀**

To go back to watching TV full screen, press **EXIT**



PLANNING WHAT TO WATCH LATER >

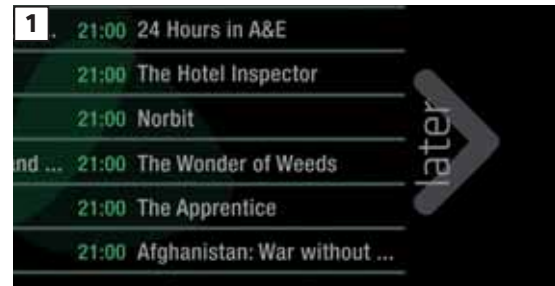
To plan your viewing a bit further ahead, the full TV Guide has listings for the next 7 days.

Use  to highlight 'later' on the right hand side of the guide (Screen 1).

Press  again for the full TV Guide (Screen 2).

You can plan your viewing for up to a week in advance, setting reminders and recordings to your heart's delight. Just remember to give yourself time to enjoy it all.

To go back to watching TV full screen, press .



TOP TIP

To fast scroll through the TV Guide, press and hold    .

BROWSING WHILST WATCHING TV



You don't have to stop watching TV to see what else is on. For a quick snapshot of what's on now and next, press any of the buttons.

To see what's on other channels, press (Screen 2).

Browse programmes on earlier today by pressing and what's on later by pressing (Screen 3).

You can set reminders and recordings here by pressing .

To go back to watching live TV full screen, press .



TOP TIP

Press to see the programme description.

Set a programme to record with one touch by pressing .

FIND OUT MORE ABOUT A PROGRAMME

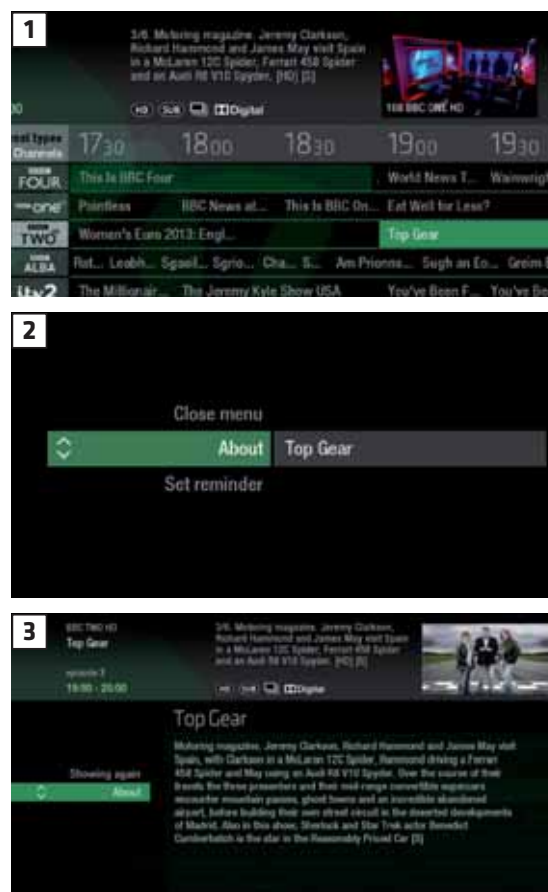
Programmes come with extra info to help you decide whether to watch them, including a description, episode details and more.

To see the programme info, highlight the programme in the TV Guide and press the **i** button. A short description will then show in the info area next to the mini TV (Screen 1).

To see more info about the programme, now press **OK** for the Action Menu (Screen 2).

Select **About**

Here you'll find a longer description of the programme including cast and crew info and more (Screen 3).

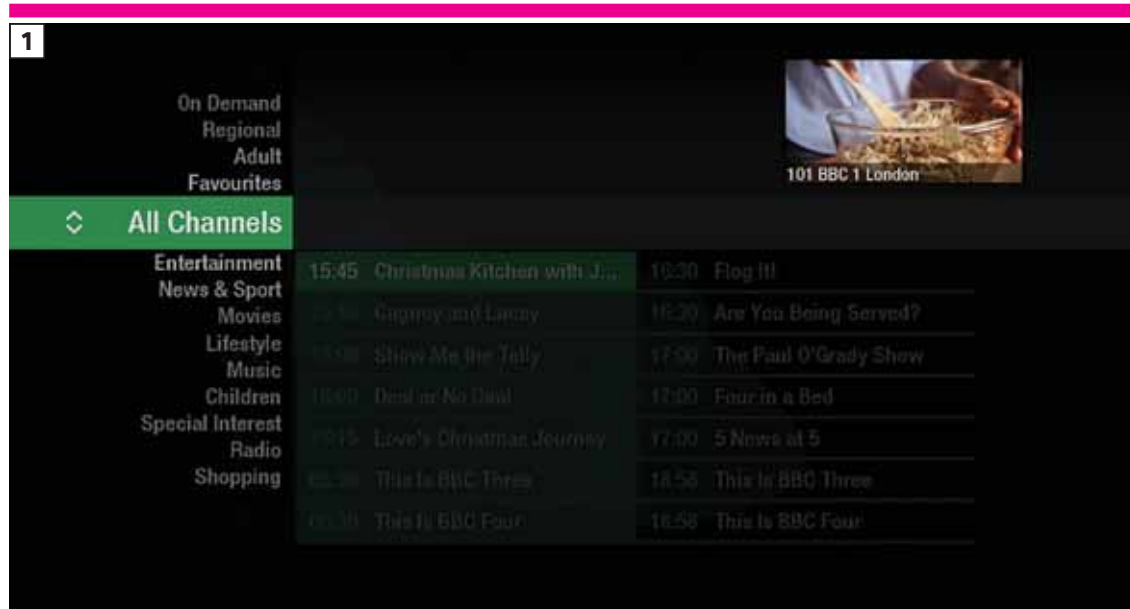


ON SCREEN ICONS

You may see these in the info area

- HD** High definition
- SD** **HD** an HD version also available
- 3D** 3D
- G** may contain material with adult themes
- AD** audio description available
- SUB** subtitles available
- SL** shown with sign language
- Dolby 5.1** Dolby 5.1 surround sound available

FIND PROGRAMMES BY CHANNEL TYPE

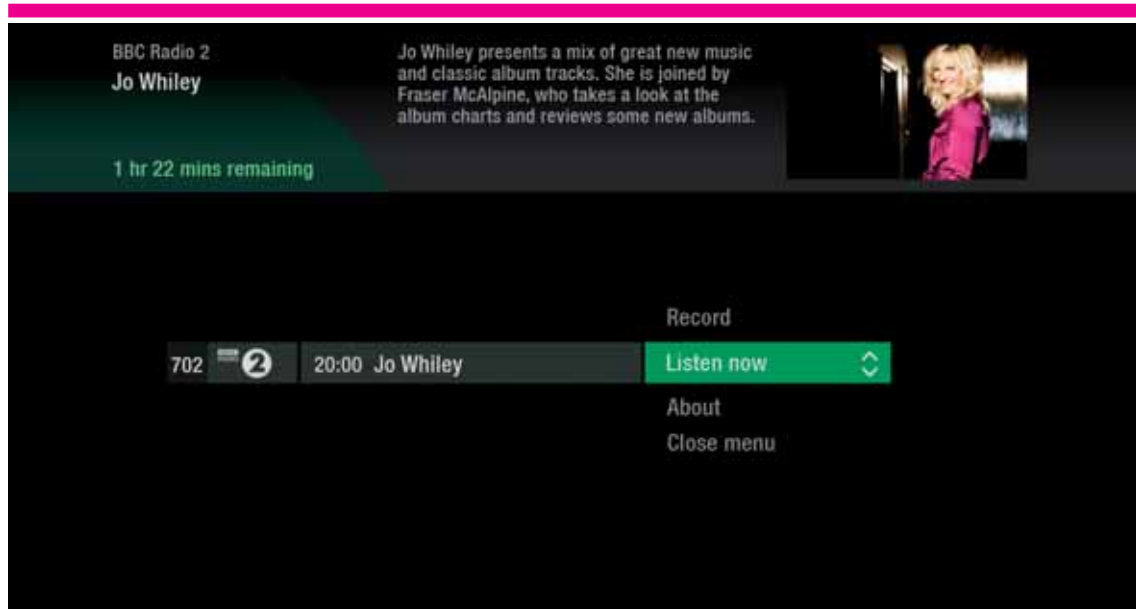


In the mood for a movie, or need your next news fix? Jump straight to that group of channels in the TV Guide by pressing **LIST** on your remote control (Screen 1).

Use **↶** **↷** to choose the type of channel you're looking for, and press **OK** (Screen 2). You'll then jump to that group of channels in the TV Guide.



FINDING AND LISTENING TO RADIO CHANNELS



Find the radio channels in the TV Guide quickly by pressing **LIST**, then use  and select Radio.

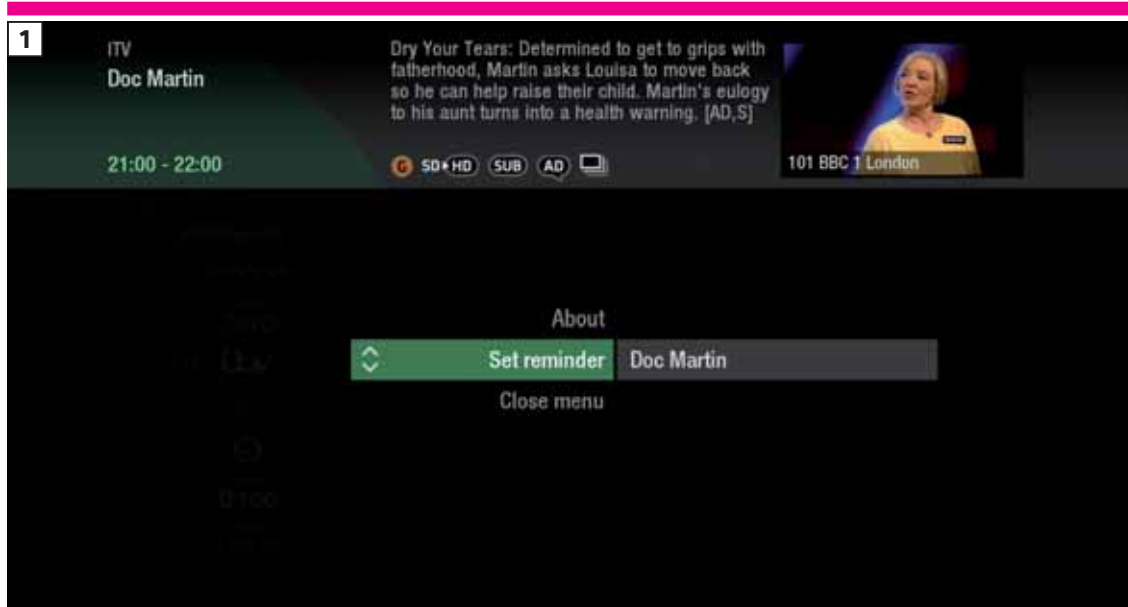
To listen to a radio programme, highlight it in the TV Guide and press **OK**

You can choose to **Listen now**, **Set reminder** or **Record** just like a TV programme.

TOP TIP

Radio channels start at Channel 700

SETTING A REMINDER



Worried you'll miss a programme? Well worry no more. You can set a reminder from both the TV Guide or while watching live TV.

From the TV Guide (Screen 1).

Highlight the programme you want to set a reminder for, press **OK** and select

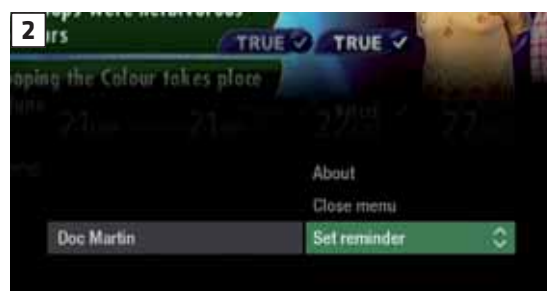
Set reminder

While watching live TV (Screen 2).

Highlight a programme and press **OK** and select

Set reminder

The reminder prompt will appear on screen 30 seconds before the programme starts, and will then auto tune to the channel.



TOP TIP

To cancel a reminder, press **BACK** when the prompt is on screen.

RECORDINGS



Ways to record

1) One touch record from live TV

To record the programme you're watching now, press **R**

2) From the Now & Next banner

Highlight the programme you want to record, press **R**

3) From the TV Guide

Highlight the programme you want to record, press **R**

4) From Showcase

Record any of the upcoming programmes in Showcase by pressing **OK** and selecting **Record**

5) From Search

Record straight from the Search results, by pressing **OK** and selecting **Record**

Multi tasking

Your Freesat+ box can record one channel while you watch another. Or you can record two different channels, and play back a recording you made earlier.

The box will need to be connected to the satellite dish with two cables. If you only use one cable, this feature won't be available.

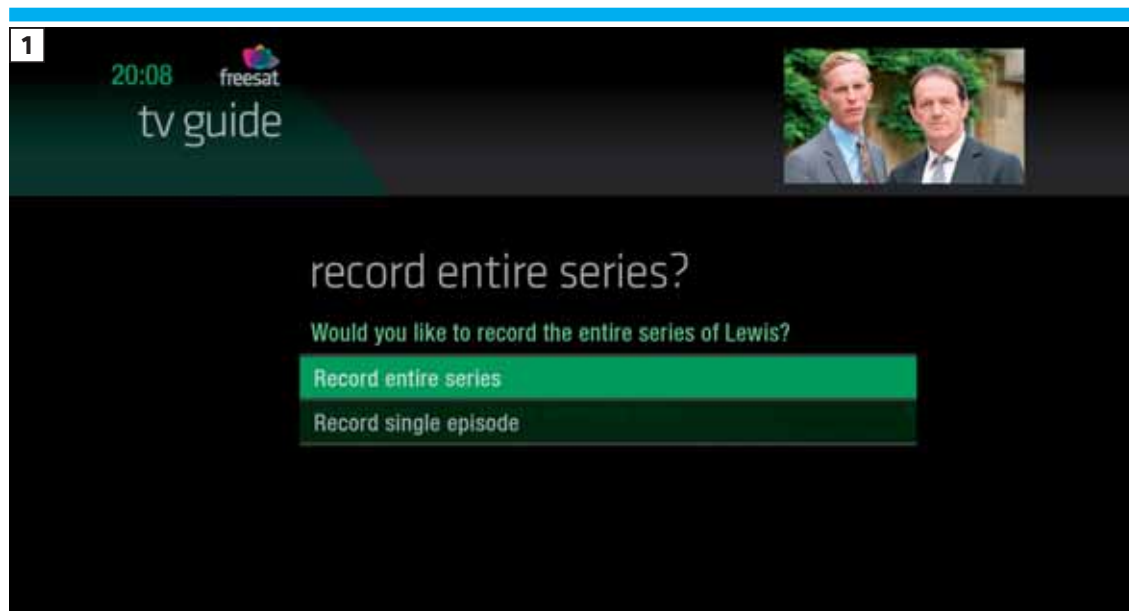
Pressing standby while recording won't stop the recording. Your Freesat+ box will go into standby when the recording has finished.

Record from when you started watching

Your Freesat+ box automatically saves up to 30mins of the channel you're watching, even if you're not recording.

So if you decide that you want to record a programme part way through, press **R** and it will record from the point you tuned to that channel.

HANDY AUTO PROMPTS



Recording a series

If the programme is part of a series, you'll be asked whether to set the whole series to record (Screen 1).

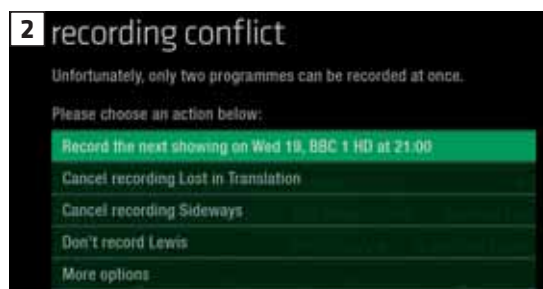
HD alternative

If the programme is also on in HD, you'll be asked whether to record the High Definition version.

Solving a recording conflict

Your Freesat+ box will help you solve the recording conflict by searching the TV listings (Screen 2).

If the programme is on at another time in the TV listings your Freesat+ box will suggest it.



SEE WHAT YOU'VE SET TO RECORD



Press **RECORDINGS** on your remote control.

All the programmes you've set to record are listed chronologically by the recording date.

When a programme is being recorded or is set to record the recording icon **R** will appear next to it in the TV guide.

R shows the recorded programme is part of a series. All recorded episodes will be recorded and stored together.

RECORDING ICONS

-  to be deleted soon
-  kept (won't be deleted)
-  watched
-  part watched
-  series recording
-  recording set
-  recording failed

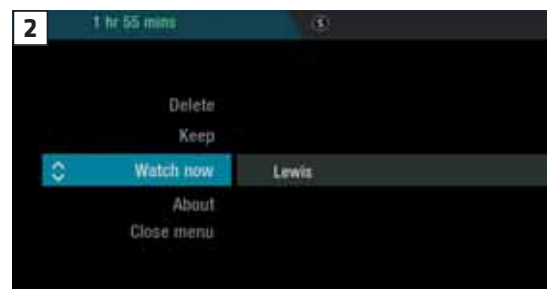
FIND AND WATCH A RECORDING



Press **RECORDINGS** (Screen 1).

All the programmes you've recorded are stored here. You can choose how they're listed, either alphabetically **A-Z** most recent first **Latest** or not watched yet, **Still to watch**

Highlight the programme you want to watch, press **OK** and select **Watch now** (Screen 2).



PICK UP A RECORDING FROM WHERE YOU LEFT OFF



.....
If you want to go back to a recording you stopped halfway through, highlight the recording and press **OK**.
.....

You'll have the option to:

Watch from start or **Resume**. Resume will play from the point you left off.
.....

Checking your remaining viewing time

.....

See how long you have left to watch by pressing any of the arrow buttons.
.....

RECORDING PLAYBACK CONTROLS



PLAY

To start watching a recording, highlight the recording, press **OK** and select **Play**

FAST FORWARD AND REWIND

Press **⏮** or **⏭** to shift to a different place in the recording. The fast forward/rewind symbol will appear, showing the elapsed time and the shifting speed (Screens 1 & 2).

You can choose different speeds, up to 32x by pressing **⏮** or **⏭** repeatedly.

PAUSE

Press **⏸** to freeze the screen while you're playing, fast forwarding or rewinding a programme.

STOP

To return to your Recordings, press **⏮**

To stop playback and go back to the channel you were watching before, press **EXIT**

MANAGING YOUR RECORDING SPACE



You can see how much space there's left for new recordings using the bar at the top of the Recordings screen. It's worth remembering that HD programmes use more recording space than standard definition programmes.

Recording space

Your box will automatically delete the oldest recording if there's not enough space for a new recording.

Programmes that are next in line to be deleted are stored in the folder 'deleting soon'.

Deleting a recording

Press **RECORDINGS**

Highlight the recording you want to delete, press **OK** and select **Delete** from the list.

KEEPING RECORDINGS



Press **RECORDINGS**

Highlight the recording you want to protect from being deleted, press **OK** and select Keep from the list. The Keep icon **K** will be added to the recording.

All 'Kept' recordings are stored in their own folder.

PAUSE AND REWIND LIVE TV



The phone will always ring just as things get interesting. Now you can pause the action and pick up where you left off. And rewind the best bits again and again.

Pause live TV

To pause the programme you're watching, press **⏸**.

You can pause live TV for up to two hours.

When you're ready to watch again, press **⏸** again.

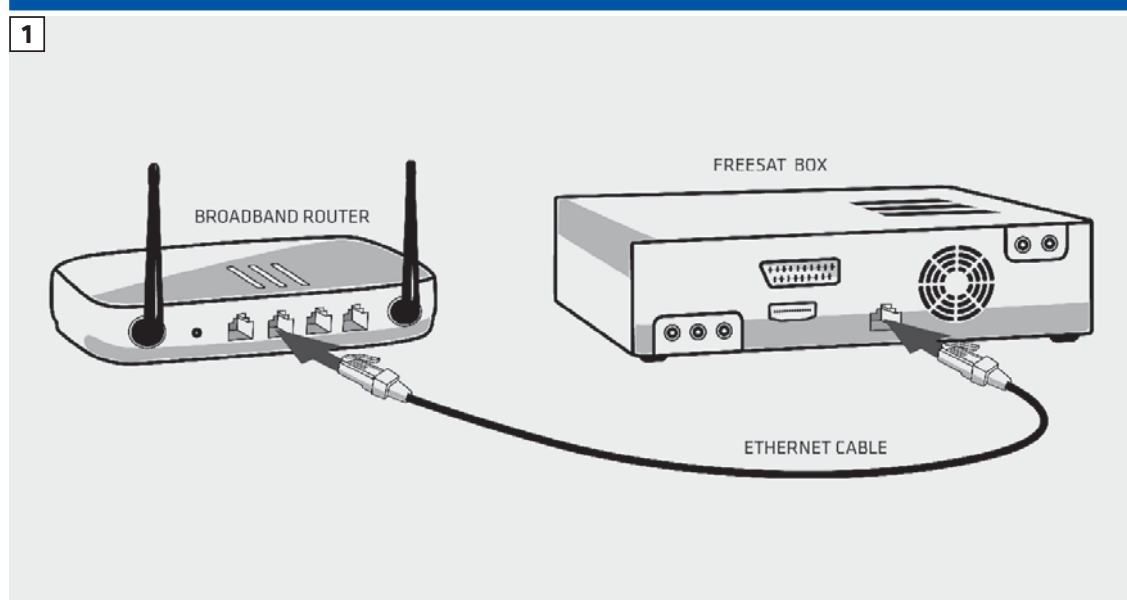
After two hours on pause your box will automatically resume live TV.

Rewind live TV

To rewind the programme you're watching, press **⏮**.

CONNECTING TO BROADBAND

1



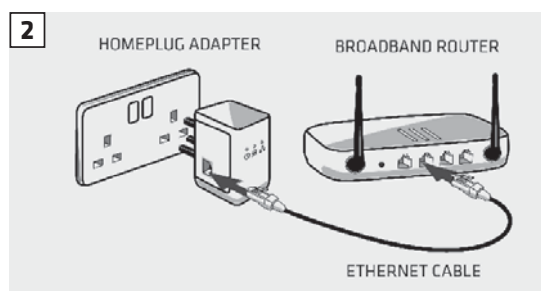
Connect your Freesat box to your broadband and open up a whole new part of the TV Guide.

You'll be able to Roll Back through the TV Guide on some channels to catch up on programmes you've missed. You'll also be able to enjoy the On Demand services on Freesat. Minimum 2Mbps broadband speed required.

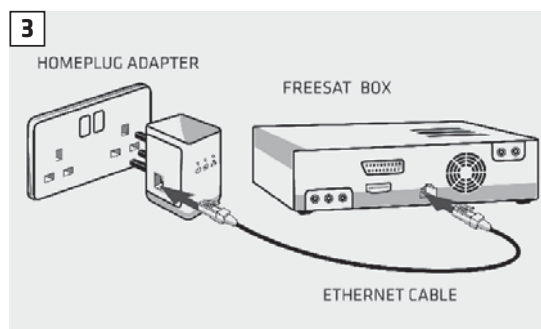
The best way to connect is with an Ethernet cable. Slot one end into the Ethernet port on the back of the box, and the other end into an Ethernet port on your router (Illustration 1). That's it, you're connected.

If your router is too far away to use a cable, try using a pair of Homeplug Adapters (Illustrations 2 & 3). They're a safe and convenient way to send broadband around your home using the electrical wiring.

2



3



ON DEMAND



Find hundreds of hours of programmes ready to watch whenever you want.

Press **HOME** on your remote control.

Go to On Demand, and press **OK** to see all available On Demand services. (Screen 2).

Use **↔** to browse through the On Demand services and **OK** to select.

Whilst watching an On Demand programme, you can use the playback buttons **▶** **⏸** and **⏹**, just like a recording.

On Demand programmes are not available to record.

NEED TO KNOW

Your Freesat+ box needs to be connected to your broadband router.



SEARCH



With so much great TV to choose from, we've made it easy to find what you're looking for.

Press **SEARCH** on your remote control.

Enter the name of the programme you're looking for using the on screen keyboard, and 

You can filter the search result by TV or Radio, or simply search all the TV listings.

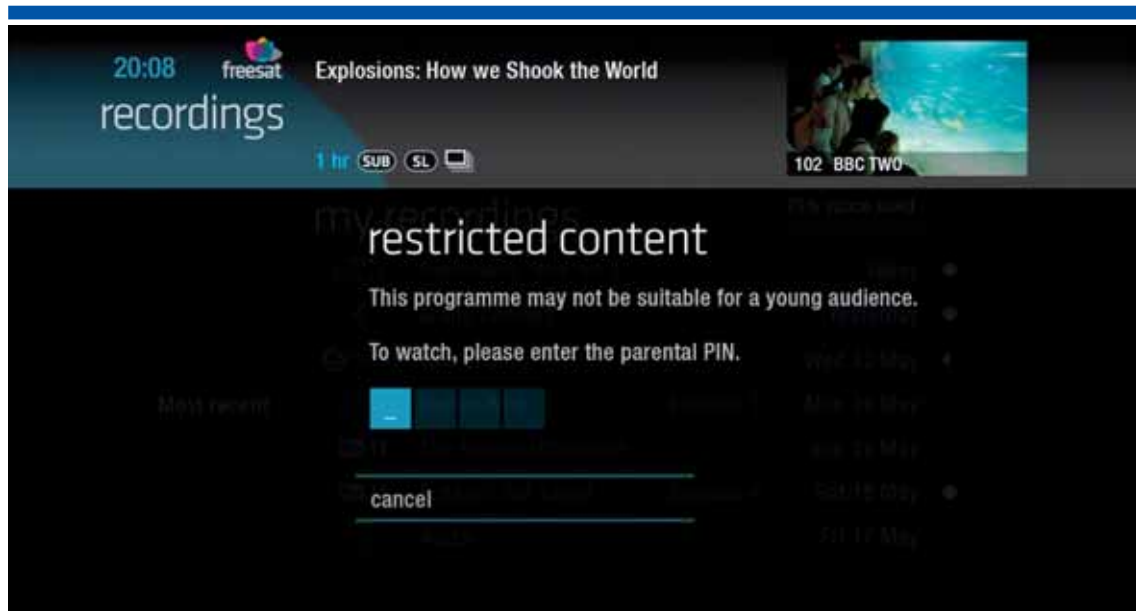
Once you've found the programme you're looking for, highlight it and press **OK**.

You'll be given all the options available for that specific programme, i.e. **Watch now** or **Record**

TOP TIP

- You can leave out common words from the search, like 'the', 'a', 'an', 'with' 'of'.
- There's no need to include hyphens or apostrophes.
- To clear the search bar and start again, press **Back**

CONTROLLING YOUR CHILDREN'S VIEWING



Some programmes after the 9pm watershed may not be suitable for children. By setting a 4 digit PIN you can lock recordings of these programmes to stop them being played back without your permission.

You can restrict viewing of On Demand programmes in the same way.

Setting your 4 digit PIN

When you first set up your box, you'll be asked to create your 4 digit PIN. You can change your PIN code at any time from Settings, and Parental Controls which you'll find by pressing **HOME**

If you forget your PIN

If you forget your four digit PIN, Humax customer services will be able to reset it for you on 0344 318 8800

HIDING ADULT CHANNELS



You can hide all channels classified as 'Adult' from the TV Guide. Press **SETTINGS** and then select **General Settings** and then **Parental controls**

Here you have the option to hide all Adult channels from the TV Guide, and also turn off all PIN restrictions.

Turning off all PIN controlled restrictions

You can turn off all PIN restrictions from Settings, and Parental Controls which you'll find by pressing **HOME**

ACCESSIBILITY

These services make programmes available to visually impaired and hard of hearing customers.

Digital subtitles, audio description and signed programmes are provided by the broadcasters, but whenever they are available Freesat customers can use them.

Signed programmes

Some broadcasters provide a signed version of popular programmes for hard of hearing viewers. Look out for **SL** in the TV Guide which indicates it is a signed programme.

Digital subtitles

Subtitles are a text version of the dialogue in a programme. Look out for **SUB** in the TV Guide which indicates they are available for that programme.

To turn subtitles on while watching live TV, press **SUB**. To turn them off, press **SUB** again.

Audio description

Audio description is an additional audio service which describes what is happening on screen, including body language, movements and actions and expressions. Look out for **AD** icon in the TV Guide which indicates they are available for that programme.

To turn audio description on while watching live TV, press **AD**. To turn it off, press **AD** again.

SAFETY INSTRUCTIONS

1. Mains Supply

a) Operate this product only from the type of power supply indicated on the marking label. If you are not sure of the type of power supplied to your home, consult your local power company.

b) Disconnect the product from the mains before you start any maintenance or installation procedures.

2. Overloading

Do not overload a wall outlet, extension cord or adapter as this may result in electric fire or shock.

3. Liquid

The product should not be exposed to liquid of any kind. In addition, no objects filled with liquid should be placed on the apparatus.

4. Cleaning

a) Disconnect the product from the wall outlet before cleaning

b) Use a light damp cloth (no solvents) to dust the product.

5. Ventilation

a) The slots on top of the product must be left uncovered to allow proper airflow into the unit.

b) Do not stand the product on soft furnishings or carpets.

c) Do not stack electronic equipment on top of the product.

6. Attachments

Do not use any unsupported attachments as these may be hazardous or cause damage to the product.

7. Lighting, storm or not in use

Unplug the product from the wall outlet and disconnect the antenna during a thunderstorm or when left unattended and unused for long periods of time. This will prevent damage to the unit due to lightning and power-surges.

8. Extraneous objects

Do not insert anything through the openings in the unit, where they can touch dangerous voltage points or damage parts.

9. Replacement of parts

When replacement of parts is required, be sure the service technician uses replacement parts specified by the manufacturer or those that have the same characteristics as the original part. Unauthorized substitution may result in additional damage to the unit.

SAFETY INSTRUCTIONS

10. Connection to the aerial

Disconnect the product from the mains before connecting or disconnecting the cable from the aerial. Failure to do so can damage the aerial.

11. Connection to the TV

Disconnect the product from the mains before connecting or disconnecting the cable from the TV. Failure to do so can damage the TV.

12. Location

- a) Place the product indoors to avoid exposing it to lightning, rain or sun. Do not place it near a radiator or heat register.
- b) We recommend that the product has 10 cm clearance from any other appliances susceptible to electromagnetic influences, such as a TV or a VCR.
- c) Do not block the openings with any object, and do not place the product on a bed, sofa, rug, or other similar surface.
- d) If you place the product on a rack or a bookcase, ensure that there is adequate ventilation and that you have followed the manufacturer's instructions for mounting.
- e) Do not place the product on an unstable stand, tripod, bracket, or table where it can fall. A falling product can cause serious injury to a child or adults, and serious damage to the appliance.

WARNING

1. To avoid damage of the power cord or plug

- a) Do not modify or process the power cord or plug arbitrarily.
- b) Do not bend or twist the power cord.
- c) Make sure to disconnect the power cord holding the plug.
- d) Keep heating appliances as far as possible from the power cord in order to prevent the cover vinyl from melting.
- e) The mains plug, as a disconnection device, shall remain readily accessible by the user.

2. To avoid electrical shock

- a) Do not open the main body.
- b) Do not insert metal or inflammable objects inside the product.
- c) Do not touch the power plug with wet hands.
- d) Disconnect the power cord in case of lightning.
- e) Unplug power cable to install the antenna cable.

3. To avoid damage of product

Do not use the product when it is out of order. If you continue to use the product when defective, serious damage can be caused. Make sure to contact your local product distributor if the product is out of order.

4. To avoid damage of the hard disk drive

- a) Do not move the product or turn the power off suddenly while the hard disk drive is running.
- b) The company shall not be liable for any corruption of data on the hard disk drive caused by carelessness or misuse.

TROUBLESHOOTING

Before contacting your local service centre, please read the tips below carefully. If the problem persists after completing the following procedure, please contact your local product distributor or service centre for further instructions.

1. The product will not switch on.

- Check the main power cable and make sure it is plugged into a suitable power outlet.
- Check that the mains supply is switched on.
- Connect the power cable to a different power outlet.

2. No picture

- Make sure that the product is powered on and in operation mode. (Press the STANDBY button)
- Make sure that the AV cable is firmly connected to the TV.
- Make sure that the antenna cable is properly connected to the product.
- Be sure to activate channel search.
- Check the brightness level of the TV.
- Check if the channel is currently on air.

3. Poor picture/sound quality

- Make sure there is no mobile phone or microwave oven near the product.
- Keep the power cable and the RF cable apart from each other.

Note: If the antenna is covered with snow or the RF is weakened by heavy rain, the condition of the sound and picture may temporarily be poor. However, poor sound and picture quality due to weather conditions cannot be accepted as a malfunction of product.

- Change the satellite dish for a larger one as this will increase the signal levels received.
- Replace the LNB with a lower noise factor in cases where the noise factor is too high.
- Replace the LNB with a lower noise factor in case the noise factor is too high.
- Replace the LNB with a new one in case it is damaged or out of order.
- Install the antenna in an obstacle-free place.
- Check the signal levels and adjust your antenna if the level is too low. The signal level may be affected by weather conditions.

TROUBLESHOOTING

4. No or poor sound

- Check that your AV cable is connected correctly.
- Check the volume levels of your TV set and the product.
- Check if the product or TV is on mute.

5. Remote control does not operate.

- To control the product, the top end of the remote control should point directly towards the receiving part of the product.
- Remove and reinsert the batteries in the remote control.
- Replace the batteries in the remote control for a new set.

6. Cannot make reservations.

- Check that no previous reservations are conflicting with the new reservation.

7. Channel search does not work.

- Make sure that the antenna setting in the menu is correct.

8. The product makes a humming noise.

- The noise is from the fan; the hard disk is operating normally.

9. Cannot record programmes.

- The hard disk is full. Delete unnecessary programmes and make space for new recording.
- Check if the recording conflicts with another channel. Stop the current recording or wait until the recording is finished.
- Check that the product is switched on when the recording starts.

SETTING THE UNIVERSAL REMOTE CONTROL

1. Select the **TV** button on the remote control. The button will blink once.
2. Keep pressing the button for 3 seconds until the button lights on.
3. Enter the 3-digit code. Every time a number is entered, the button will blink. When the third digit is entered, the button will blink twice.
4. If a valid 3-digit code is entered, the product will power off.
5. Press the **OK** button and the mode button will blink three times. The setup is complete.

6. If the product does not power off, repeat the instruction from 3 to 5.

TOP TIP

When no code is entered for one minute, the universal setting mode will switch to normal mode.

Try several setting codes and select the code that has the most functions.

Remote Control Function List

The keys on the remote control function as in the list below. Some keys may not function depending on the product.

Button	TV	Button	TV
STANDBY	POWER	Exit	EXIT
TV		↖+	VOLUME UP
STB		↖-	VOLUME DOWN
RECORDINGS		Home	MENU
MUTE	MUTE	i	INFO
TEXT	TEXT	P ^	PAGE UP
⏮	TEXT MIX	P v	PAGE DOWN
■	PIP INPUT	RED	RED
⏭	TEXT OFF,	GREEN	GREEN
⏪	PIP OFF	YELLOW	YELLOW
▶	TEXT EXPAND	BLUE	BLUE
⏭	PIP	1	1
R	PIP MOVE	2	2
⏮	TEXT HOLD	3	3
List		4	4
Search		5	5
TV Guide	GUIDE	6	6
OK	OK	7	7
UP	UP	8	8

SETTING THE UNIVERSAL REMOTE CONTROL

LEFT	LEFT	9	9
RIGHT	RIGHT	0	0
DOWN	DOWN	SUB	SUBTITLE
Back	LAST	AD	

TV Code List

Brand	Code		
A.R. Systems	102, 006, 080, 066	Allstar	006
Accent	006	Amitech	131, 241
Acer	261, 278, 305	Amoi	315
Acoustic Solutions	210, 312, 324, 370, 386, 428, 477	Amplivision	064, 035, 049
Acura	002	Amstrad	006, 204, 043, 036, 074, 002, 023, 026, 062, 065, 071, 094, 128, 410, 436, 451
ADL	224	Anam	006, 002
Admiral	043, 014, 015, 023	Anam National	006, 129
Advent	192, 342	Andersson	210, 211
Adyson	034, 035	Anglo	043, 002
AEG	211, 256, 327, 489	Anitech	006, 043, 002, 045
Agashi	043, 034, 035	Ansonic	006, 134, 064, 002, 017, 023, 042, 048, 066, 070, 285
AGB	094	AOC	120, 266, 335
Agef	014	Apollo	083
Aiko	006, 061, 043, 074, 002, 004, 011, 028, 034, 035, 065	Apro	420
Aim	006, 171	Arc En Ciel	020
Airis	316, 413, 473	Arcam	034, 035
Aiwa	139, 141, 445	Ardem	006, 144
Akai	102, 006, 098, 144, 145, 111, 061, 043, 074, 148, 232, 280, 128, 122, 461, 109, 462, 489, 094, 084, 083, 065, 035, 034, 033, 028, 023, 011, 004, 002, 154, 321	Arena	006
Akiba	006, 036, 080, 045	Aristona	102, 006
Akito	006, 044	ART	204
Akura	006, 144, 134, 204, 043, 036, 002, 026, 045, 071, 298, 327, 376, 451	Arthur Martin	023
Alaron	034	ASA	010, 014, 017, 018, 055
Alba	006, 144, 134, 204, 087, 064, 036, 005, 108, 473, 455, 447, 388, 099, 084, 077, 072, 065, 059, 034, 023, 002	Asberg	006
AlfaView	220	Asora	002
All-Tel	190, 238	Asuka	043, 036, 034, 035, 045
Allorgan	032, 035	Atec	340, 387
		Atlantic	006, 032, 034, 042, 049
		Atori	002
		Auchan	023

SETTING THE UNIVERSAL REMOTE CONTROL

Audiosonic	006, 144, 086, 145, 043, 064, 036, 002, 020, 035, 066, 190, 250, 405, 473
Audioton	086, 043, 064, 035
Audiovox	079
Aumark	009
Autovox	014, 032, 035, 056, 097
AVC	472
Avious	352
Awa	111, 005, 019, 002, 003, 035, 079, 271
Axxent	002
Baier	192
Baird	011, 012, 020, 033, 035, 054, 218
Bang & Olufsen	014
Barco	023
Basic Line	102, 006, 134, 204, 036, 080, 002, 023, 035, 045, 053, 066, 211
Bastide	035
Bauer	171, 344
Baur	006, 030, 061, 028, 056, 093, 096, 097, 101
Bazin	035
Beaumark	027
Beko	006, 144, 086, 145, 111, 064, 072, 172, 361, 405
Belson	138, 201, 215
Belstar	204
BenQ	223, 328, 329
Bensten	258, 436, 437
Beon	006, 072
Berthen	134
Best	064
Bestar	006, 064, 066
Bestar-Daewoo	066
Binatone	035
Black Diamond	444, 204, 211
Blackway	036, 045
Blaupunkt	030, 005, 080, 025, 028, 096, 101
Blue Media	340, 387

Blue Sky	102, 006, 144, 134, 204, 145, 087, 036, 080, 091, 119, 045, 215, 229, 254, 265, 310, 361, 380, 445
Blue Star	045
BlueH	391
Boca	361
Boman	256
Boots	002, 035, 044
Bork	265
Bosch	049
BPL	006, 033, 045, 202
Brandt	120, 144, 103, 020, 046, 052
Brimax	380
Brinkmann	006, 134, 086, 072, 095
Brionvega	006, 014, 062
Britannia	034, 035
Brother	043
Bruns	014
BSR	023
BTC	036
Bush	102, 006, 144, 134, 204, 138, 087, 061, 043, 036, 005, 108, 376, 373, 370, 361, 355, 352, 327, 388, 430, 431, 432, 440, 448, 451, 473, 476, 477, 478, 002, 033, 035, 044, 045, 056, 059, 065, 066, 095, 133, 164, 210, 213, 229, 232, 250
Canton	036
Capsonic	043
Carad	134, 204, 113
Carena	006, 080
Carrefour	006, 005, 010
Carver	025
Cascade	006, 002
Casio	006
Cat	373, 504
Cathay	006, 386
CCE	006
cello	397, 410, 418, 419, 420
Centrum	204
Centurion	006
Century	014

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CGE	064, 023, 072
Changhong	180
Chimei	475, 415
Cimline	036, 002
Cineral	079
Cinex	128, 213, 327
Citizen	009
City	002
Clarivox	006, 010, 072
Classic	091
Clatronic	006, 144, 043, 064, 036, 002, 035, 049, 065, 256
Clayton	204
CMS	034
CMS Hightec	035
Concorde	002
Condor	006, 043, 064, 002, 034, 045, 049, 070, 072
Conia	179, 201, 298, 376
Conrac	172
Contec	006, 005, 002, 034
Continental Edison	087, 020, 046
Cosmel	006, 002
Crosley	014, 023
Crown	006, 144, 134, 204, 086, 145, 087, 111, 143, 064, 361, 135, 072, 071, 053, 033, 002
Crown Mustang	135
CS Electronics	036, 034
CTX	395
Curtis Mathes	009, 015, 021, 024, 079
Cybertron	036
Cytronix	246
D-Vision	102, 006, 451
Daewoo	102, 006, 124, 444, 036, 441, 406, 341, 338, 271, 249, 195, 192, 190, 164, 133, 119, 091, 079, 066, 035, 034, 002
Dainichi	036, 034
Daitsu	237
Dansai	006, 005, 002, 004, 033, 034, 035
Dansette	071

Dantax	144, 204, 086, 145, 064, 361, 445, 450
Datsura	033
Dawa	006
Daytek	221, 269, 271
Dayton	002, 221, 269
Daytron	006, 002, 066
De Graaf	098, 007, 023, 033
DEC	258
Decca	006, 011, 035, 044, 094, 118
Dell	235, 278
Denko	043
Denon	021
Denver	006, 108, 214, 256, 352, 410, 453, 473, 489
Desmet	006, 002, 014, 049
DGM	436
Diamant	006
Diamond	181
DiBoss	293
Digatron	006
Digihome	210, 370
Digiline	006, 134, 018
Digimate	198
Digital Device	340
Digitek	310, 380
Digitrex	478
Digix Media	195
Dixi	006, 002, 014, 035
DL	199, 258
DMTech	260, 438, 449, 454, 456
Domeos	134
Dream Vision	379
DTS	002
Dual	006, 204, 208, 035, 042, 054, 056, 095, 097, 164, 210, 219, 237, 468
Dual Tec	035
Dumont	010, 011, 014, 017, 035
Durabrand	285, 361, 453

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Dux	006
Dynatech	035
Dynatron	006
e-motion	380
E:max	256, 316
Easy Living	230, 326, 402
Ecco	162
ECE	006
Edison-Minerva	087
Eiki	150
Elba-Sharp	094
Elbe	102, 006, 113, 036, 028, 035, 042, 048, 062, 070, 075, 094, 099, 121
Elcit	014, 023, 094
Elekta	043, 045
Element	376
Elfunk	204, 222
ELG	006
Elin	006, 098, 061, 002, 017, 056
Elite	006, 036, 049
Elta	043, 002
Emerson	006, 144, 134, 444, 086, 061, 064, 010, 014, 027, 045, 049, 065, 119
Emperor	045
Envision	266
Epson	243, 184, 186
Erae	267
Erres	006
ESC	006, 035
Etron	002, 023
Eurofeel	043, 035
Euroman	006, 043, 064, 034, 035
Europa	006
Europhon	006, 035, 094
Evesham	230, 340, 370, 382, 387
Evesham Technology	387
Evolution	395
Excors	467
Expert	023, 032, 042

Exquisit	006
FairTec	268
Fenner	002, 066
Ferguson	006, 120, 098, 103, 030, 204, 012, 020, 029, 046, 052, 054, 077, 292, 447, 476
Fidelity	006, 061, 043, 023, 026, 029, 034, 065, 071, 093, 097
Filsai	035
Finlandia	098, 061, 011, 023, 033, 055
Finlux	102, 006, 144, 145, 333, 327, 172, 122, 118, 094, 089, 084, 083, 070, 055, 035, 023, 018, 017, 014, 011, 010
Firstline	102, 006, 144, 134, 204, 061, 341, 267, 265, 250, 215, 172, 119, 097, 070, 066, 056, 050, 035, 034, 033, 011, 002
Fisher	061, 064, 005, 008, 011, 014, 017, 033, 035, 056, 097
Flint	006, 113, 043, 036, 080, 011
Force	210
Forgestone	029
Formenti	006, 014, 023, 034, 049
Formenti-Phoenix	034, 049
Fortress	014, 015
Fraba	006, 064
Friac	006, 113, 064, 002, 091
Frontech	043, 002, 023, 035
Fujimaro	190
Fujitsu	002, 011, 032, 035, 042, 137, 173, 187
Fujitsu General	002, 032, 035, 137
Fujitsu Siemens	172, 211, 230, 246, 268, 369
Funai	144, 134, 043, 275, 336, 369, 407
Galaxi	006
Galaxis	006, 064
Gateway	394
GBC	036, 002, 023, 066
GE	015, 027, 045, 052, 079, 150, 442
GEC	006, 061, 011, 023, 035, 056, 094
Geloso	002, 023, 066
General	020, 046, 082

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General Technic	002
Genexxa	006, 036, 002, 023, 071
Gericom	172, 190, 195, 220, 224, 246, 340, 388
Go Video	009
Gold	397, 413, 484, 485
Goldfunk	134
GoldHand	034
GoldStar	006, 144, 145, 111, 061, 001, 007, 020, 023, 027, 034, 035, 047, 067
Gooding	087
Goodmans	102, 006, 120, 144, 103, 134, 124, 444, 204, 087, 043, 036, 005, 478, 211, 232, 477, 250, 476, 271, 445, 355, 370, 373, 440, 376, 382, 383, 386, 002, 004, 011, 035, 047, 052, 054, 065, 066, 084, 091, 094, 119, 121, 133, 172, 195, 210
Gorenje	064
GPM	036
Gradiente	006, 025, 207
Graetz	144, 087, 061, 023, 053, 065, 211
Gran Prix	128
Granada	006, 098, 103, 005, 019, 038, 011, 023, 033, 035, 053, 054, 060, 081, 083, 094, 008
Grandin	102, 006, 144, 134, 204, 145, 113, 036, 080, 272, 270, 269, 246, 220, 215, 195, 190, 119, 066, 049, 045, 023, 002
Gronic	035
Grundig	102, 006, 030, 087, 142, 005, 108, 498, 476, 448, 447, 445, 430, 405, 370, 271, 267, 250, 225, 135, 121, 010, 101, 096, 028, 077
Grunkel	211
H & B	172, 456
Haier	138, 344, 392, 339
Halifax	043, 034, 035
Hallmark	027
Hampton	034, 035
Hanimex	036, 443
Hanns.G	402
Hannspree	262, 263, 264, 342, 401, 402, 463
Hanseatic	102, 006, 120, 144, 124, 061, 064, 172, 133, 097, 095, 091, 067, 056, 049, 048, 045, 035, 014, 002
Hantarex	006, 002, 094, 190, 260, 289

Hantor	006
Harsper	190
Harwa	162, 218, 238
Harwood	006, 087, 002, 071
Hauppauge	006
Havermy	015
HCM	006, 043, 036, 002, 035, 045, 071, 072
Hema	002, 035
Hemmermann	056, 097
Hifivox	020
Higashi	034
Highline	006, 043
Hikona	036, 452
Hinari	006, 043, 036, 005, 002, 033, 059, 077, 443
Hisawa	144, 113, 036, 080, 045
Hisense	102, 092, 165, 254, 265, 366, 491
Hit	014
Hitachi	006, 098, 124, 204, 208, 005, 019, 037, 146, 152, 153, 163, 169, 193, 197, 007, 206, 210, 217, 227, 295, 296, 330, 377, 399, 424, 483, 020, 021, 023, 027, 035, 054, 056, 060, 076, 081, 083, 084, 085, 089, 091, 094, 018, 106, 107, 011
Hitachi Fujian	019
Hitsu	113, 036, 080, 002
HMV	014
Hoeher	144, 190, 211, 327
Home Electronics	111
Hornophon	006
Hoshai	036, 080, 045
Huanyu	034, 066
Hugoson	198, 224
Humax	505, 299, 506, 507, 245, 319, 322, 411, 433, 479
HYD	271
Hygashi	034, 035
Hyper	002, 034, 035
Hypersonic	061
Hypson	102, 006, 144, 134, 204, 086, 145, 043, 080, 035, 045, 118

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Hyundai	164, 190, 192, 241, 244, 271, 291, 317, 338, 340, 341, 439
Iberia	006
ICE	006, 043, 036, 034, 035, 065
ICeS	036, 034
iDEAL	327
Igo	226
IISonic	271, 308, 342
Iiyama	193, 198, 224
Imperial	006, 064, 056, 072, 121, 487
Indiana	006
InFocus	212, 220, 283
Ingelen	144, 113, 087, 023
Ingersol	002
Inno Hit	036, 002, 011, 035, 045, 047, 094, 211
Innovation	095
Innowert	190, 246
Interbuy	006, 043, 002
Interfunk	006, 061, 014, 020, 023, 056, 093
Internal	102, 444, 119
Intervision	006, 086, 087, 043, 036, 080, 002, 035, 045, 067, 095
Irradio	006, 036, 002, 047, 065, 147
Isukai	006, 036, 080, 045
ITC	035, 049
ITS	006, 043, 036, 034, 045, 065
ITT	098, 113, 061, 023, 029, 033, 053, 055, 056, 083, 084, 097
ITT Nokia	098, 113, 111, 061, 023, 033, 053, 055, 056, 083, 084
ITV	006, 043, 066
JDV	451
Jean	005, 307, 308
JEC	004
JMB	102, 124, 077, 091
JNC	378
Jocel	143
Jouge	284
Jubilee	102

JVC	111, 036, 005, 129, 130, 015, 029, 065, 072, 137, 149, 207, 264, 362, 408, 496
Kaisui	006, 036, 080, 002, 034, 035, 045
Kamp	034
Kapsch	061, 017, 023, 032, 042
Karcher	144, 113, 111, 043, 064, 045, 164, 327, 451
Kathrein	102, 195
Kawa	065
Kawasho	034
KB Aristocrat	023
Kendo	006, 204, 113, 064, 062, 067, 070, 095, 099, 128, 210, 285, 333
Kennedy	023, 032, 075
Ken nex	204
Keymat	258, 300, 398, 436, 437
Kingsley	034
Kioto	142
Kiss	170
Kiton	006, 134
Kneissel	102, 006, 113, 064, 042, 048, 062, 066, 070, 075, 091
Kobra	290
Kolster	006, 036, 056
Konig	006, 016
Konka	006, 144, 036, 065, 072, 126, 158, 201
Kontakt	087
Korpel	006
Korting	064, 014, 049
Kosmos	006
Kotron	071, 440
Koyoda	002
Kreisen	192, 293
KTV	035
Kuba	056
Kyoshu	071, 072
Kyoto	023, 034, 035
L&S Electronic	144, 172, 190
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Lava	293
Lavis	204
Leader	002
Lecson	006
Lemair	070
Lenco	006, 108, 017, 066, 352, 452
Lenoir	002, 214
Lentec	316
Lexsor	218, 303
Leyco	006, 043, 011
LG	102, 006, 144, 145, 138, 061, 064, 248, 281, 354, 367, 368, 384, 396, 416, 417, 425, 426, 215, 209, 067, 047, 035, 034, 027, 023, 002, 001, 236, 257
Liesen & Tter	006
Liesenkotter	006
Lifetec	006, 144, 134, 204, 208, 036, 002, 066, 095, 137
Lloyd's	002
Local India TV	002, 033, 109, 280
Lodos	204, 210
Loewe	006, 064, 014, 048, 093, 094, 123, 131, 167, 414, 434
Logic	494
Logik	204, 001, 003, 029, 162, 195, 224, 292, 376, 464, 465, 466
Logix	134, 095
Luker	451
Luma	204, 002, 023, 032, 042, 062, 066, 070
Lumatron	006, 043, 012, 023, 032, 035, 042
Lux May	006, 002
Luxor	098, 204, 061, 023, 033, 035, 047, 055, 056, 060, 083, 084, 122, 211
LXI	022
M Electronic	006, 144, 124, 030, 061, 361, 133, 093, 089, 084, 070, 066, 056, 055, 054, 046, 035, 034, 023, 020, 018, 017, 002
Madison	006
MAG	298, 376
Magnadyne	014, 023, 094, 097
Magnafon	012, 034, 094
Magnavox	005, 003

Magnin	442
Magnum	006, 144, 145, 128, 242
Mandor	043
Manesth	006, 043, 004, 035, 049
Manhattan	006, 134, 204, 164, 192, 237, 293
Maqma	290, 340, 378, 404
Marantz	102, 006, 071, 140, 277, 317
Marelli	014
Mark	006, 144, 145, 002, 034, 035, 066
Marks and Spencer	420
Marquant	478
Mascom	327, 432
Master's	091
Masuda	036
Matsui	102, 006, 144, 030, 204, 087, 005, 080, 074, 153, 195, 097, 094, 369, 445, 077, 447, 065, 059, 056, 052, 044, 035, 033, 028, 011, 008, 004, 003, 002
Matsushita	129
Maxent	394, 160
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Mediator	102, 006
Medion	102, 006, 144, 134, 204, 138, 208, 172, 195, 093, 040, 210, 213, 219, 230, 285, 327, 370, 440, 456
Megas	113
Megatron	021, 027
MEI	204
Memorex	204, 002, 009, 027
Memphis	002, 011
Mercury	006, 002
Metronic	120
Metz	006, 134, 030, 108, 014, 028, 063, 096, 101, 211, 318
MGA	027, 442
Micromaxx	006, 134, 204, 121, 172, 256, 456
Microspot	343
Microstar	172
Mikomi	204, 153, 210
Minato	006

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Minoka	006, 071
Mirai	369, 423, 482
Mirror	440
Mistral Electronics	029
Mitsai	327
Mitsubishi	102, 006, 204, 005, 019, 014, 015, 027, 093, 096, 191, 311
Mivar	034, 035, 047, 048, 094, 112
Mogen	374, 410
Monaco	002
Morgan's	006
Motorola	015
MTC	064, 009, 034, 056, 093
MTEC	044
MTlogic	144, 473
Multibroadcast	029
Multitec	006, 134, 204, 086, 327
Multitech	006, 086, 043, 064, 002, 034, 035
Murphy	017, 023, 034
Musikland	036
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Myryad	102
NAD	006, 061, 190
Naiko	006, 111, 157, 451
Nakimura	006, 066
Narita	451
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National	038
NEC	005, 002, 003, 025, 035, 040, 049, 066, 140, 239, 379
Neckermann	102, 006, 064, 014, 028, 049, 056, 070, 072, 101
NEI	006, 204, 065
Neon	237, 389
Neovia	190, 192, 220, 260, 267, 268, 271, 273, 449, 454
Nesx	389

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