

iRV Technologies

Operation Manual

AM/FM/CD/DVD/MP3/MP4

Digital 2.0 surround sound-Optical SPDIF Audio Input



IRV 31

iRV31 SPECIFICATIONS

Contents

Safety Guidlines		Overall Dimensions	7-4/5"(W) X 5-1/2(H) X 7"(D)
Important safety instructions		Mounting Dimensions	9-4/5"(W) X 9(H) X 7-1/4"(D)
Safety compliance	1	Net Weight	3.7lbs (1.7Kgs)
Warnings	1	Voltage	12V DC Negative Ground (11.0V - 15.0V allowable)
iRV technologies	2	Maximum Current Consumption	7A
iRV 31 Features	4	Total Continuous Power Output	50W
Radio Operation	7	Load Impedance	4Ω(4-8Ωallowable)
Bluetooth Link	9	Total harmonic distortion	Typical 0.02% Maximum 0.3%
DVD/CD/MP3/MP4 Operation	9	DVD Deck Section, Discs Played	DVD, MP3, MP4, CD, CD-R, CD-RW, JPEG-CD
Remote Control Guide	10	Video System	AUTO / PAL / NTSC
System Setup	10	Video Section	4:3 Letter Box and 4:3 Pan Scan, 16:9
Lanugage	13	Video Output level	1.0Vp-p +/-0.2V 75ohms
AUX setup	14	AM Tuner Section, Frequency Range	530 - 1710KHz (U.S.A.)
Speaker setup	14	FM Tuner Section, Frequency Range	87.5-107.9MHz (U.S.A).
Wiring Diagram	15	Bluetooth	Version 2.1 , Class II
Troubleshooting	16	Advanced Audio Distribution	A2DP, AVRCP
iRV 31 Specifications	17		

TROUBLESHOOTING

No Power

Check and make sure whether the fuse is blown, replace fuse with proper value if necessary.

Some errors occur in the LCD or no function when pressing the button.

Turn off the unit and restart the unit again. Use Factory Default Restart.

Poor radio reception or static.

Antenna may not be the proper length. Make sure the antenna is fully extended. Antenna may be broken. Replace antenna.

The broadcast signal is too weak.

The antenna is poorly grounded. Check and make sure the antenna is properly grounded at it's mounting location.

Disc cannot be loaded

Disc is loaded in the machine. Clear the disc by pressing eject

No Picture.

The Video line from the main unit to the TV is not connected properly. Check connections.
Improper setting of the TV SYSTEM. Set the TV SYSTEM to "NTSC", according to the connected television.

Disc error appears.

The disc may be damaged or dirty.
Clean disc and retry.

When there is no color on video.

Turn off the unit and restart the unit again.
Use Factory Default Restart.

FACTORY DEFAULT RESTART

Press and hold POWER button for 5 seconds - Unit will shut off. Restart unit by pressing the ON button. Factory defaults will be reset with this type of restart.

NOTE:

If any of the problems persist after check list has been made, consult your nearest service dealer.
Never attempt to disassemble your unit by yourself.



TO REDUCE THE RISK OF ELECTRICAL SHOCK, DO NOT remove cover (or open unit). NO USER SERVICEABLE parts inside. Refer servicing to QUALIFIED SERVICE PERSONNEL

The design and manufacture of this player takes personal safety into consideration. However, any improper operation may result in electric shock, fire, or other hazard.

DO NOT open the cabinet by yourself to prevent electric shock. Please contact a professional technician to perform any service needed. Please use only components recommended by factory when replacement is necessary.

Please turn unit off when not in use. Use a dry, soft cloth to clean face with the system turned off.

PRECAUTION - Moisture may cause the lens on loader in this unit to malfunction. To remedy the problem, turn unit on, eject disc and run 1-2 hours to vaporize moisture inside the unit. Do not repeatedly turn unit off and on. After turning unit off wait 10 seconds before turning on again. Do not use broken, scratched or twisted discs in player. This could result in damage to the unit. Use only 5", 12cm discs in this unit.

iRV 31 Technologies

CD/MP3/MP4/DVD Disc Player

Compatible with standard size CD, MP3, MP4 and DVD discs (4.75" or 12cm). The iRV 31 is designed to read standard DVD, MP3, MP4, CD, CD-R, CD-RW, JPEG-CD Disc. Because of variations in recording methods some discs may not play on this unit. This unit will play region 1 DVD's (USA and Canada).

5V Charge

This is NOT a USB port and CANNOT accept a flash drive for music playback. Only uses on 5V charging, also charges many devices like iPod

Built-In AM/FM Tuner

24 preset FM stations and 16 AM stations available to select.

High Definition Input

1 High Definition input and 1 High Definition output.
High Definition output with ARC function.

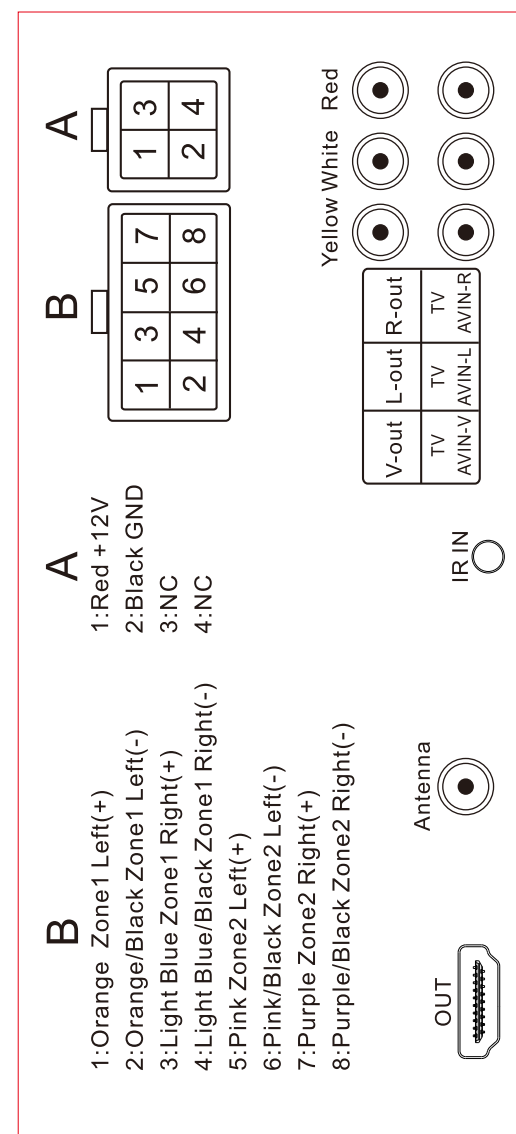
BT

This unit contains BT technology enabling secure, wireless connections between portable and fixed devices

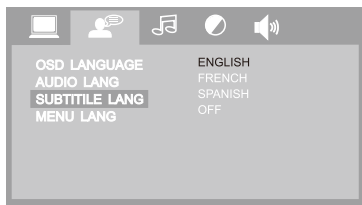
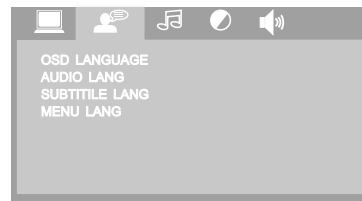
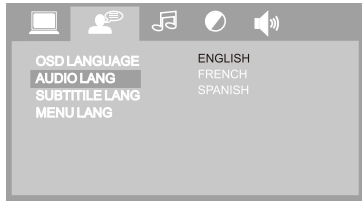
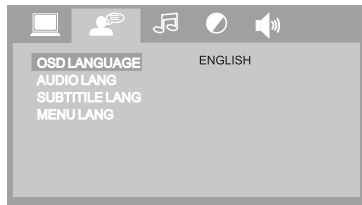
This unit contains BT link also enables handheld control of streaming music from users wireless device play list.

This unit supplies quality high power audio and video outputs to two different zones. Zone 1 receives 2.0 digital surround sound. Zone 2 receive standard stereo audio.

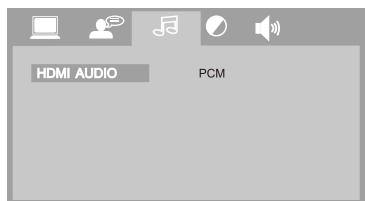
WIRING DIAGRAM



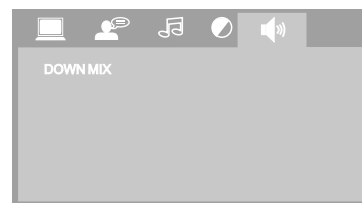
LANGUAGE SETUP



AUDIO SETUP



SPEAKER SETUP



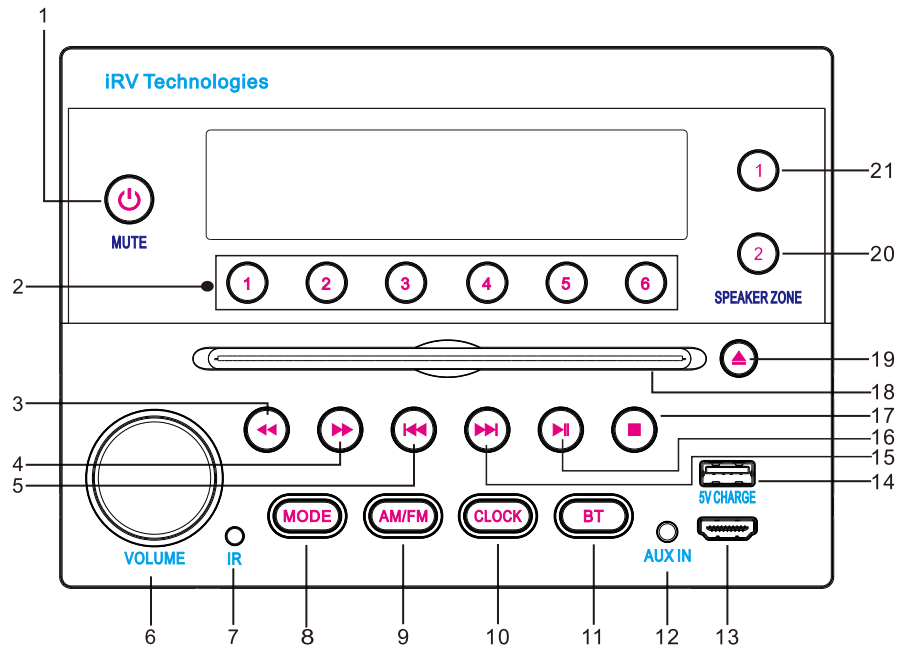
This unit has 1 Video Input, 1 Video output, 1 Audio input to allow users to enjoy entertainment from other sources such as Satellite Radio, VCR's, Digital Cameras, Video Game for iPods and MP3 Players.

These sources must be connected through the inputs on the unit or through additional accessory wall plates.

Clock

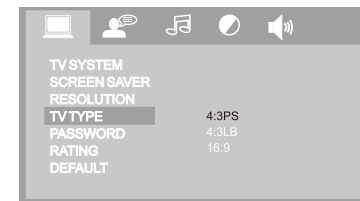
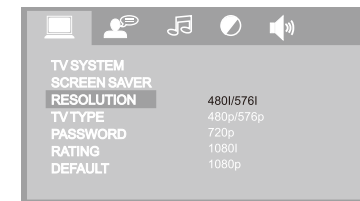
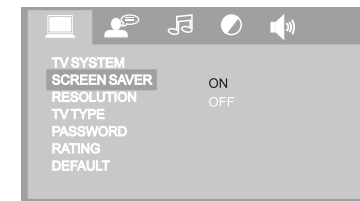
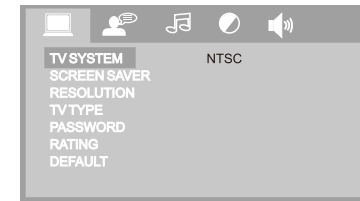
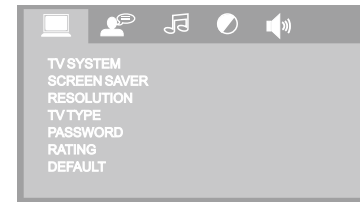
This unit has a built in clock that can display the time when any button is pressed and a sleep timer that turns off the radio for you.

iRV 31 FEATURES



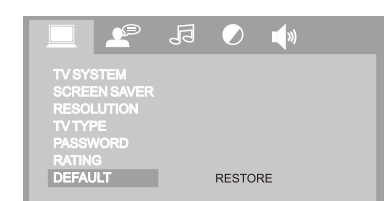
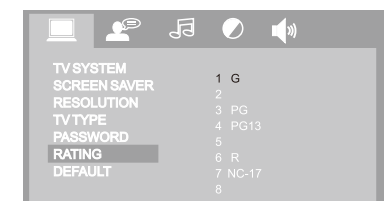
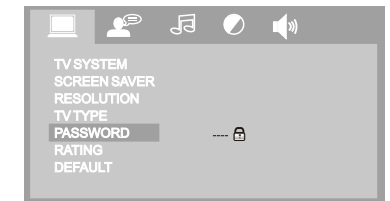
- 1 **POWER**
Turns the power on and off and make device mute.
Note: Push and hold the POWER button for 5 seconds to make the device on/off.
Quick Push can make the device mute.
- 2 **1-6**
[1],[2]....[6] number buttons are used to enter number, e.g. No. of track, DVD chapter No., time data, etc.
- 3/4 **F. RWD** ◀▶
Radio Mode: Press to auto scan and memorize band preset stations. Scan through all lower preset stations.
Disc Mode: Select different levels of fast reverse.
- 5/15 **FWD and RWD** buttons ◀▶
Radio Mode: Press to select next frequency, higher or lower.
DVD Mode: Moves menu selection.
- 6 **VOLUME**
Increase or decrease the volume in all rooms where sound is being played, also can operate bass, treble and balance.

SYSTEM SETUP



Press the "SETUP" button to activate the System Setup on screen display Video Monitor Only menu.

Use the NAVIGATION buttons to navigate the following OSD menu options.



REMOTE CONTROL Guide

15.REPEAT

DVD Mode: Press REPEAT to repeat the current track being played. Press it twice to repeat playing all of the tracks.CD, MP3, VCD Mode: Press REPEAT to repeat the current track being played. Press it twice to cancel the repeat function.

16.STOP

DVD, VCD, CD: Press STOP to suspend playback mode. STOP will display on the TV Screen. Pressing STOP a second time will end all disc playback.

17.AUDIO - DVD Only

Adjusts the surround sound mode as well as selects the language. Must be set before play.

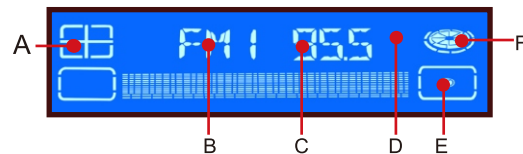
18.VOLUME

Press the VOLUME (+ or -) button to increase or decrease the volume level respectively.

- 7 IR
Infrared remote sensor.
- 8 MODE
Select between Radio/DVD/BT/TV audio/FR-audio/F-HDMI IN/HDMI ARC.
- 9 AM/FM
Allows you to select FM1, FM2, FM3, AM1, or AM2.Each band can be auto programmed with 6 station presets. 18 total preset stations for FM and 12 total preset stations for AM. (See FFWD or FRWD Radio Mode for auto scan features.)
- 10 CLOCK
Press this to see time.This unit has a built in clock that can display the time in any mode when the clock button is pressed.Press and hold the clock button the unit enters clock set mode.
- 11 BT
Press this to enable BT connectivity.
- 12 AUDIO IN
Analog audio input from Mp3 or iPod player,This is a 3.5mm input.
- 13 High Definition Input
1 High Definiton Input and 1 High Definition output.High Definition output with ARC function
- 14 5V Charge
This in NOT a USB port and CANNOT accept a flash drive for music playback.Only uses on 5V charging,also charges many devices like iPod.
- 16 PLAY / PAUSE ►||
Press to play disc or pause playback of disc.During radio mode: (Auto-storage /Preset scan)
1) When press , the radio searches from the current frequency and checks the signal strength level until 8 station are found. And then the 8 stations frequency are preset to the corresponding preset memory numbered bank. When press and hold for more than 1second,The auto-storage operation is implemented in the each selected band. When the auto-storage operation is finished, the radio execute the Preset scan.

- 17 **STOP**
Press to stop playback of disc. Press Play to continue the playback
- 18 **CD/MP3/MP4/DVD Disc loading slot**
Insert a disc to play. Compatible with standard size CD, MP3, Mp4 and DVD discs (4.75" or 12cm) . The unit is designed to read standard CD, MP3, MP4, DVD, DVD+R, DVD-R Disc. Because of variations in recording methods some discs may not play on this unit. This unit will play region 1 DVD's (USA and Canada).
- 19 **EJECT**
Press to eject a Disc from your iRV 31 built in player.
- 20/21 **SPEAKERS 1-2**
Turns sound on or off in corresponding ZONE 1,2 .

iRV 31 DISPLAY SCREEN



- A STEREO
- B BAND
- C FREQUENCY
- D PRESET
- E EQ SETTINGS
- F REMOVABLE MEDIA

REMOTE CONTROL Guide

8.NAVIGAION BUTTONS

Press the appropriate button to move around any menus that are selected on screen. Center button is the select / enter button.

9.OK

Use to finalize selection.

10.AM/FM

Allows you to select FM1, FM2, FM3, AM1, or AM2.Each band can be auto programmed with 8 station presets. 24 total preset stations for FM and 16 total preset stations for AM. (See FFWD or FRWD Radio Mode for auto scan features.)

11.ZONE 1,2

Turns sound on or off in the corresponding ZONE 1,2.

12.ZOOM - DVD Only

DVD, VCD: Press the ZOOM button once to enable 2X zoom mode. Pressing the ZOOM button repeatedly moves the zoom mode through 3X, 4X, 1/2X, 1/3X, and 1/4X zoom levels. Press ZOOM again to exit the zoom mode.

13.SUBTITLE (SUB-T)

DVD only. Returns to previously selected tracks. Press to select language or to turn off subtitles.Press and hold for 3 seconds to return to previous chapter.

14.PREVIOUS / NEXT

Radio Mode: Press to select higher or lower stations.

Disc Mode: Press to select previous or Next track or chapter.

Pushing the Previous button,the unit will play the disc from the beginning of the previous track. Pushing the Next button,the unit will play the disc from the beginning of the next track.

REMOTE CONTROL Guide

1.Power

Turn the power on/off and make the device mute.

2.Eject

Push the button once, the disc will be ejected from the slot, press it again and the disc will be taken back into the slot.

3.0-9 NUMBERS

Radio Mode: You can select one of the 9 stored stations on each band by pressing any one of the number buttons (1-9).

Disc Mode: You can select any track directly by using the number buttons (0-10+). Example: If you want track number 25. Consecutively press the number 2, then 5 and track number 25 will begin to play.

4.FAST REVERSE / FORWARD

Press to select different levels of Fast Reverse or Fast Forward. Press Play to resume selection.

5.MENU

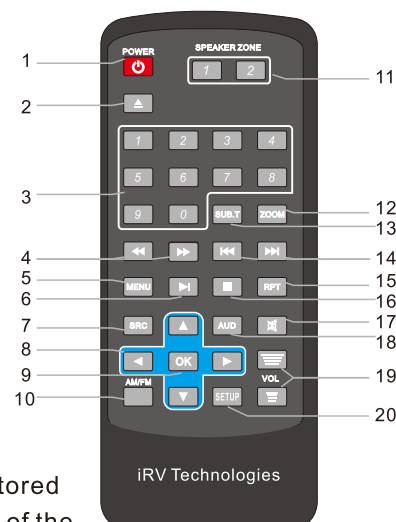
DISC only. for DVD title menu and root menu.

6.PLAY / PAUSE

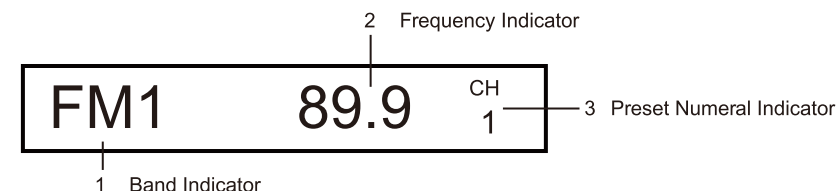
Press PLAY/PAUSE button to suspend the playback of CD, MP3, MP4, VCD and DVD media. Press it again to return to normal playback mode.

7.MODE

Select between Radio/DVD/BT/TV audio/FR-audio/F-HDMI IN/HDMI ARC.



RADIO OPERATION



POWER



Turns the power on and off.
Make the device mute.

Push and hold for power "on and off"
Quick push for power "mute"

Radio Reception Mode

AM / FM

AM / FM

Press to access the radio, press to activate desired band: AM1, AM2, FM1, FM2, FM3.

Activate radio

Press for desired Band

Manual Tuning

AM / FM



backward

forward

Select Band, Select single arrowed button to move the channels down or up.

Select Band

Channel Down

Channel Up

Auto Search Tuning

AM / FM



PREVIOUS

NEXT

Push to auto search for an available station at a higher or lower frequency. When this function is selected, the unit will stay at the selected station until another function is selected.

Select Band

Auto Search Down

Auto Search Up

Manual Frequency Presets

AM / FM



1

backward

forward

The panel number keys

Select Band, Select desired frequency, Hold desired numeral for 3 seconds. Frequency is set. Repeat to change. Frequency can be preset for AM1, AM2, FM1, FM2, FM3.

Select Band
AM1, AM2, FM1, Frequency
FM2, FM3

Select

Select Numeral

Recall Frequency Presets

AM / FM

1

The panel number keys

Select Band AM1, AM2, FM1, FM2, FM3, then select desired numeral

Select Band
AM1, AM2, FM1,
FM2, FM3

Select Numeral

Automatic Store / Preset Scan

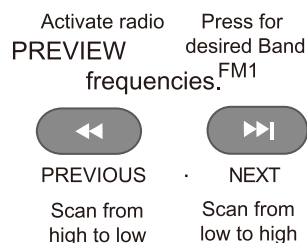


- A. Automatic Scan & Store
While listening to the Radio, Long press the “▶||” button, The receiver will automatically scan and save the station listening to.
- B. Scan Saved Stations
Short press the “▶||” button once to perform the scanning functions.

Auto Best Station Memory



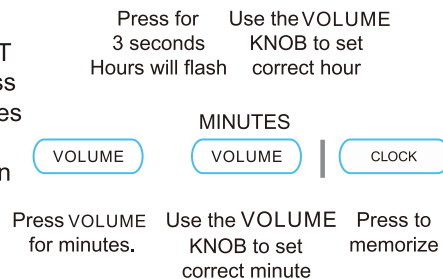
While in FM1 if you press the NEXT button the radio will start scanning from low to high frequencies.,or button the radio will start scanning from high to low Each strong station found will be stored in a preset button until all 24 FM presets are full. You can also do this with the AM band There are 16 presets available for the AM band.



Clock Setting the time



Press and hold the CLOCK button for 3 seconds.Hour will flash. Use the SELECT VOLUME KNOB to set correct hour. Press VOLUME button move to minutes. Minutes will flash. Use the VOLUME KNOB to set correct minutes Press the CLOCK button to memorize



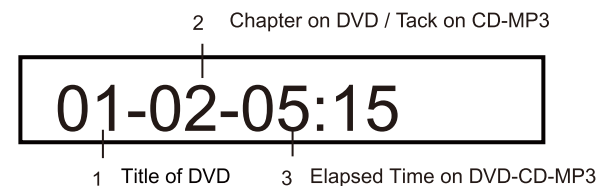
BT Link

Connect iRV 31 with a BT device



Turn on iRV 31 power,enter BT Link in your cell.SearchYiRV31 BT",then click connect. It's successful to connect iRV 31 BT if iRV 31screen shows BT LINK

DVD/CD/MP3/MP4 OPERATION



Fast Reverse / Fast Forward



2X, 4X, 8X, 20X To select a normal speed, push the PLAY button.

Push the Fast Rewind button to rewind DVD

Push the Fast Forward button to advance the DVD

Previous / Next



Select previous or next track.