iRV Technologies
Operation Manual

AM/FM/CD/DVD/MP3/MP4

Digital 2.1 surround sound-Optical SPDIF Audio Input

IRV 32

Contents

Overall Dimensions	7-4/5"(W) X 5-1/2(H) X 7"(D)
Mounting Dimensions	9-4/5"(W) X 9(H) X 7-1/4"(D)
Net Weight	3.7lbs (1.7Kgs)
Voltage	12V DC Negative Ground (11.0V - 15.0V allowable)
Maximum Current Consumption	10A
Total Continuous Power Output	50W
Load Impedance	4Ω (4-8Ωallowable)
Total harmonic distortion	Typical 0.02% Maximum 0.3%
DVD Deck Section, Discs Played	DVD, MP3, MP4, CD, CD-R, CD-RW, JPEG-CD
Video System	AUTO / PAL / NTSC
Video Section	4:3 Letter Box and 4:3 Pan Scan, 16:9
Video Output level	1.0Vp-p +/-0.2V 75ohms
AM Tuner Section, Frequency Range	530 - 1710KHz (U.S.A.)
FM Tuner Section, Frequency Range	87.5-107.9MHz (U.S.A.).
Bluetooth	Version 4.1, Class ll
Advanced Audio Distribution	A2DP, AVRCP

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.

CAUTION
RISK OF ELECTRICAL SHOCK
DO NOT OPEN

CAUTION: To reduce the risk of electric shock, do not
remove cover (or back). No User-serviceable parts
inside. Refer servicing to qualified service personnel.

WARNING - To reduce the risk of electrical shock, do not
remove cover (or open unit). NO USER SERVICEABLE parts are
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 preform 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 32 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 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

Built-In AM/FM Tuner

18 preset FM stations and 12 AM stationsavailable to select.

High Definition Input

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

BT

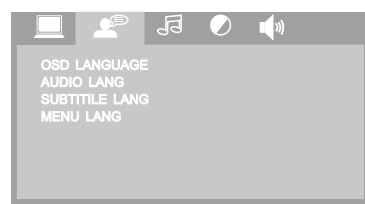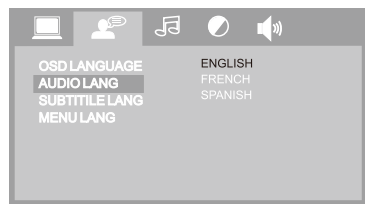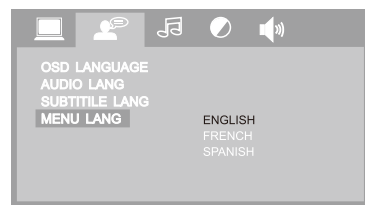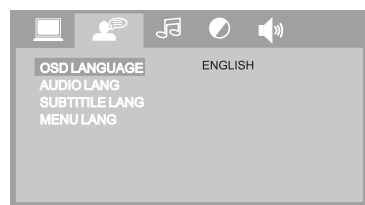This unit contains BT technology enabling secure, wireless connections between portable and fixed devices

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 three different zones.Zone 1 receives 2.1 digital surround sound.Zone 2 and 3 receive standard stereo audio.
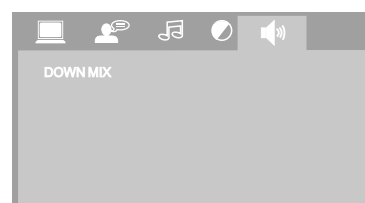
A
| 1 | 3 |
| 2 | 4 |

B
| 1 | 3 | 5 | 7 | 9 | 11 | 13 |
| 2 | 4 | 6 | 8 | 10 | 12 | 14 |

B
| 1 | 3 | 5 | 7 | 9 | 11 | 13 |
| 2 | 4 | 6 | 8 | 10 | 12 | 14 |

Yellow White Red

V-out L-out R-out Out AV IN
V-IN   L-IN   R-IN

B
14.Green/Black- Zone 1 SUBwoofer(-)
13.Green- Zone 1 SUBwoofer(+)
12.Pink/Black- Zone 3 Left(-)
11.Pink- Zone 3 Left(+)
10.Purple/Black- Zone 3 Right(-)
9.Purple- Zone 3 Right(+)
8:Orange/Black- Zone 2 left(-)

1:Yellow-Zone 1 Right(+)
2:Yellow/Black-Zone 1 Right(-)
3:White-Zone 1 Left(+)
4:White/Black-Zone 1 Left(-)
5:Blue-Zone 2 Right(+)
6:Blue/Black-Zone 2 Right(-)
7:Orange-Zone 2 Left(+)

Antenna

OUT (ARC)

A
1:Yellow BAT
2:Black GND
3:Red ACC
4:Blue ANT POWER OUT

LANGUAGE SETUP

OSD LANGUAGE   ENGLISH
AUDIO LANG
SUBTITLE LANG
MENU LANG

OSD LANGUAGE
AUDIO LANG
SUBTITLE LANG
MENU LANG   ENGLISH
             FRENCH
             SPANISH

OSD LANGUAGE   ENGLISH
AUDIO LANG   FRENCH
SUBTITILE LANG   SPANISH
MENU LANG

OSD LANGUAGE
AUDIO LANG
SUBTITILE LANG
MENU LANG

OSD LANGUAGE   ENGLISH
AUDIO LANG   FRENCH
SUBTITILE LANG   SPANISH
MENU LANG   OFF

AUDIO SETUP

AUDIO OUT   SPDIF/OFF
HDMI AUDIO   SPDIF/RAW
             SPDIF/PCM

HDMI AUDIO   PCM

SPEAKER SETUP

DOWN MIX

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

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.
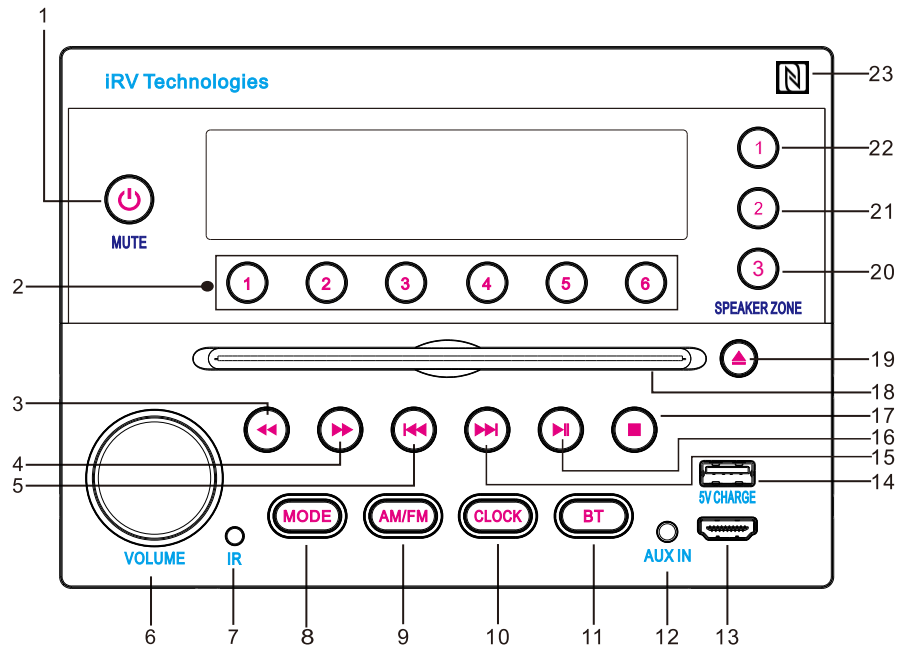
Consumer Electronics Control

This unit has consumer electronics control features, fuctions will very based on TV connected.

It allows user to use a remote control multiple surpport high-definition equipments,no need use other remote controls.
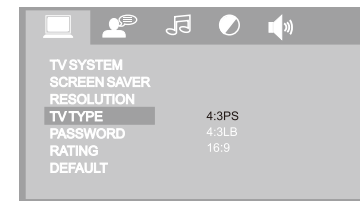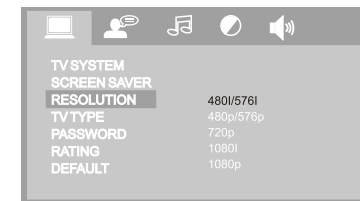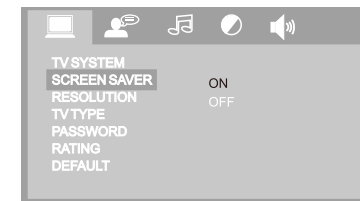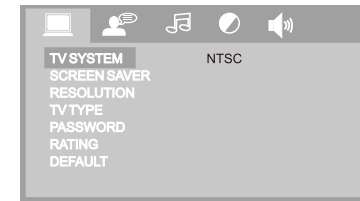
Near Field Communication
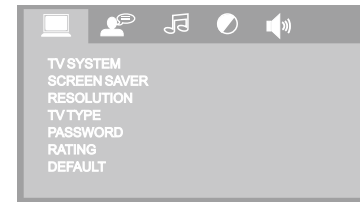
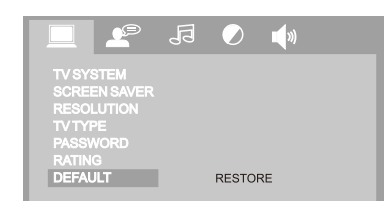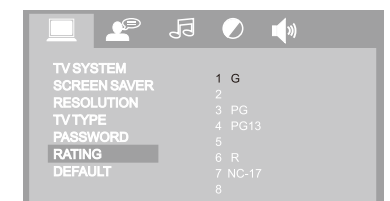This unit has near field communication lable and can complete a quick BT pairing.

1 POWER

　　Turns the power on and off and make device mute.
　　Note:Push and hold the POWER button for 5 secondsto 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

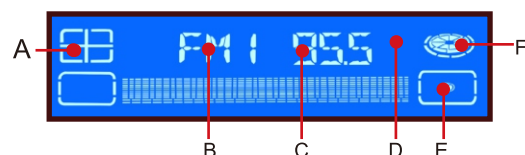Adjusts the surround sound mode as well as selects the language. Must be set before play.

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/TV audio 2.

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
     Quick push this to enable BT connectivity.Push and Hold to adjust 3 levels brightness for LCD and button backlight.

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 ▶II
     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.

20~22   SPEAKERS 1-2-3
Turns sound on or off in corresponding ZONE 1,2 and 3.

23   Near Field Communication
This unit has near field communication lable and can complete a quick BT pairing.

iRV 32 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 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.)

11.ZONE 1,2,3
Turns sound on or off in the corresponding ZONE 1,2 and 3.

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.
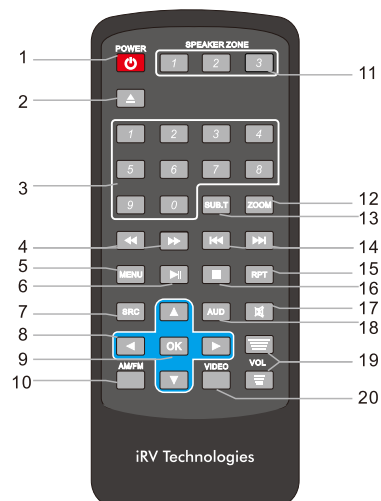
5.MENU
DISC only. for DVD title menu and root menu.
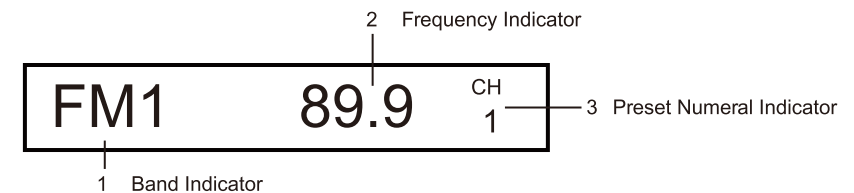
6.PLAY / PAUSE
Press PLAY/PAUSE button to suspend the playback of CD, MP3, MP4, VCD and DVD media. Press it again to return to normal playback mode.

7.MODE
Select between Radio/DVD/BT/TV audio/ FR-audio/F-HDMI IN/TV audio 2.

10

RADIO OPERATION

2   Frequency Indicator

FM1   89.9   CH
                      1   3   Preset Numeral Indicator

1   Band Indicator

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 chanels down or up. | Select Band | Chanel Down | Chanel 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 untill another function is selected. | Select Band | Auto Search Down | Auto Search Up |

Manual Frequency Presets
AM / FM   backward   forward   1 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, FM2, FM3 | Select Frequency | Select Numeral |

Recall Frequency Presets
AM / FM   1 The panel number keys

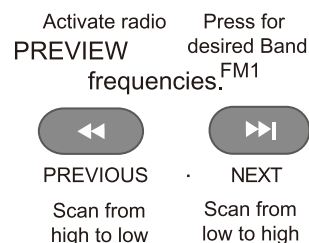| Select Band AM1, AM2, FM1, FM2, FM3, then select desired numeral | Select Band AM1, AM2, FM1, FM2, FM3 | Select Numeral |

7

Automatic Store / Preset Scan

Play/pause ▶❙❙

A. Automatic Scan & Store
While listening to the Radio, Long press the
"▶❙❙" button, The receiver will automatically scan
and save the stationlistening to.

B. Scan Saved Stations
Short press the "▶❙❙" button once to perform the
scanning functions.

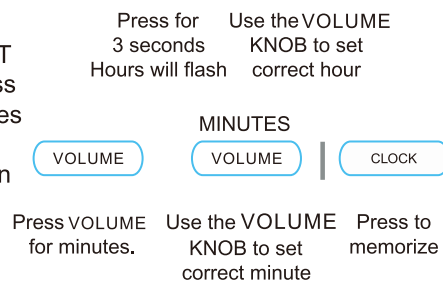## Auto Best Station Memory

[AM / FM]   [AM / FM]

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 18 FM presets are full· You can also do
this with the AM band There are 12 presets
available for the AM band.

Activate radio   Press for
PREVIEW   desired Band
frequencies. FM1

◀◀   ▶▶❙

PREVIEW   ·   NEXT

Scan from   Scan from
high to low   low to high

Clock Setting the time

HOURS
[CLOCK]   [VOLUME]

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
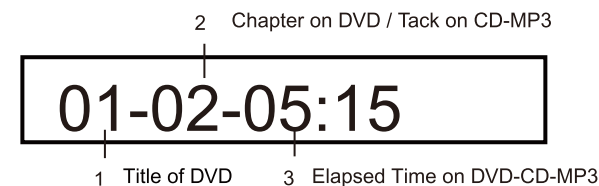correct minutes Press the CLOCK button
to memorize

Press for   Use the VOLUME
3 seconds   KNOB to set
Hours will flash   correct hour

MINUTES
[VOLUME]   [VOLUME]   ❙   [CLOCK]

Press VOLUME   Use the VOLUME   Press to
for minutes.   KNOB to set   memorize
correct minute

BT Link

Connect iRV 32 with a BT device

[BT] [0] [0] [0] [0]

Turn on iRV 32 power, enter BT Link in your cell. Search "iRV32
BT", then click connect. It's successful to connect iRV 32
BT if iRV 32 screen shows BT LINK

DVD/CD/MP3/MP4 OPERATION

2   Chapter on DVD / Tack on CD-MP3

01-02-05:15

1   Title of DVD   3   Elapsed Time on DVD-CD-MP3

Fast Reverse / Fast Forward

◀◀   ▶▶
F RWD   F FWD

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

Push the   Push the
Fast Rewiind button   Fast Forward button
to rewind DVD   to advance the DVD

Previous / Next

❙◀◀   ▶▶❙
PREVIOUS   NEXT

Select previous or next track.

8

9