

User Manual

iRiver 2

MULTI - CODEC CD PLAYER / FM TUNER

Firmware Upgradable

Model No. : IMP-250



Thank you for purchasing the product.
Please refer to the manual carefully before use.

iRiver Limited

<http://www.iRiver.com>

- ① URL : <http://www.iRiver.com>
- ② Provide information of our products as well as company with response to the customers' inquiries.
- ③ Unique feature of "Firmware (System Software) Upgrade" keep provides premium disk readability and various optional add-on features, support new CODEC to be introduced in the future.
- ④ Provide "FAQ--Frequently Asked Question" as well as "Beginner's Guide".
- ⑤ Provide customer registration supporting on-line customer service, information on new products, notice on firmware upgrade, etc through the registered e-mail address.

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Unique Features of *iRiver* Z2

- **Multi-Codec Compressed Digital Audio and CD Player**
: Playback MP3, WMA, ASF, as well as conventional Audio CD.
- **Firmware Upgrade(System Software Upgradability)**
: Provide most updated add-on features and disk-readability.
New formats such as AAC, MP3Pro, Ogg Vorbis can be supported in the future with simple upgrade method.
Upgrade firmware files are provided through <http://www.iRiver.com> .
Simply down load upgrade file from the web site, burn into a disk, put the disk into the player and power on the player.
Firmware of the player will be upgraded within 20 seconds.
- **Recognize Disks in Packet-Write Format**
: Provide convenient and efficient usage of CD-RW disk like a hard disk drive.
- **Graphic LCD supporting Multi-Lingual**
: Support English, French, Spanish, German, Italian, other alphabet oriented fonts, Korean, Japanese(katagana, hiragana, kanji), Chinese(simplified, traditional), Etc. (Separately available with each firmware version.)
- **Remote Control with Graphic LCD**
: Provide convenient user interface together with LCD display.
- **Built-In Rechargeable Function with Over Charge Protection Circuit**
- **Built-In FM Tuner**
: With 20 preset memory, auto scan memory, bass boost, etc.
- **Enhanced Anti-Shock Protection**
: 8 minutes for MP3/WMA (44.1KHz, 128Kbps) and 3 minutes for audio CD with pre-buffering technology applied to minimize the skipping at initial track reading.
- **Simple and Convenient Directory Navigation as well as Full Playback /Program Playback Mode**
- **Various Control Options Available in Graphic User Interface**
- **Playback WinAmp Playlist**

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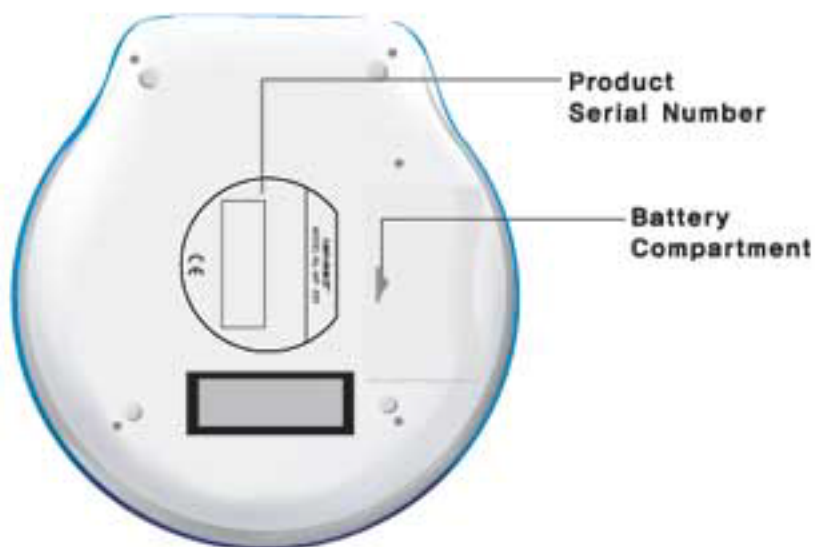
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Locating the Controls (Player)

Front



Rear



Locating the Controls (Player)

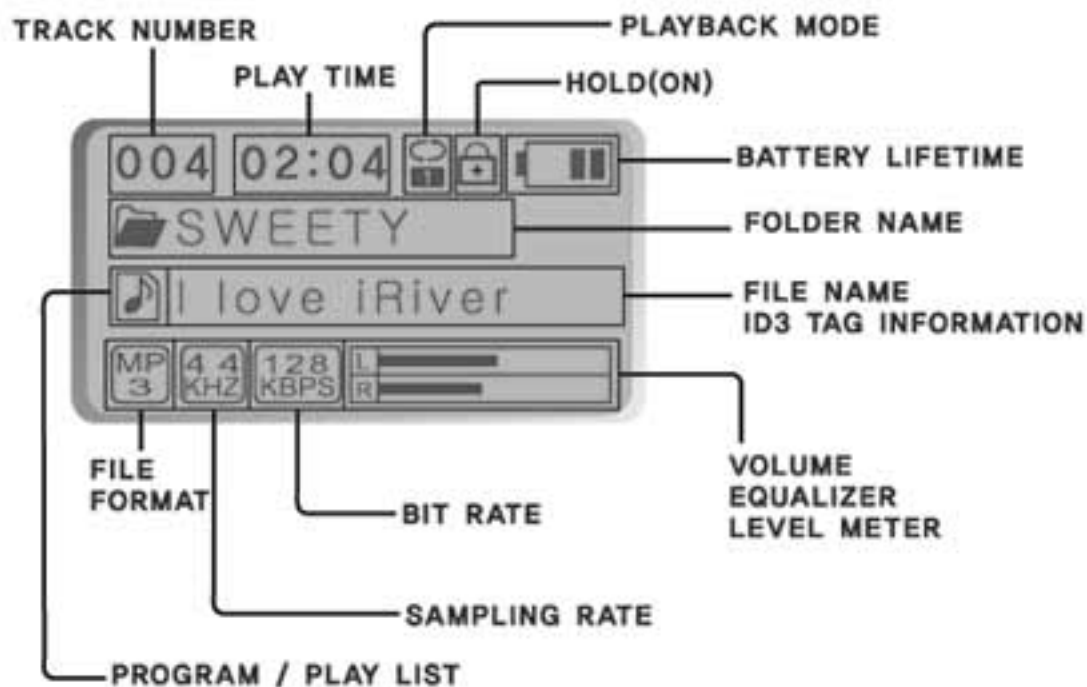
Side



Note

Use only the supplied remote control. You cannot operate this CD player with the remote control supplied with other CD players.

LCD Window



Locating the Controls (Remote Control)

Remote Control

NAVI / FUNCTION



PLAY

STOP



CD ↔ FM / MODE

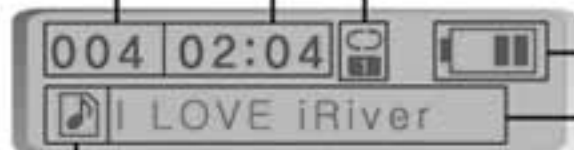


LCD Window

TRACK NUMBER

PLAY TIME

PLAYBACK MODE



BATTERY LIFETIME

PROGRAM / PLAY LIST

FILE NAME ID3 TAG INFORMATION



- 1 SLIDE OPEN SWITCH TO OPEN THE PLAYER LID AND INSERT THE DISK.



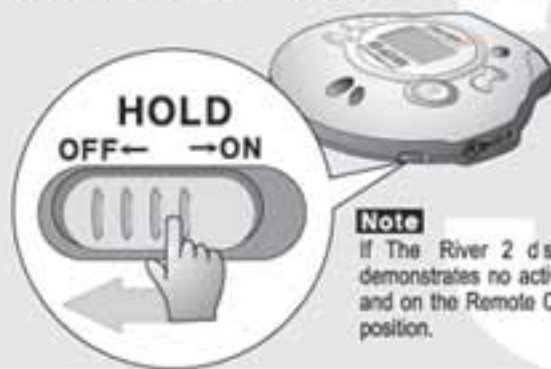
- 2 CONNECT EARPHONE AND REMOTE CONTROL.

Note

- Use only the supplied remote control. You cannot operate this CD player with the remote control supplied with other CD players.
- Connect the headphones/earphones to the remote control firmly. A loose connection may cause noise during playback.



- 3 SLIDE HOLD SWITCH TO OFF POSITION.



Note

If The River 2 display does not light up and the unit demonstrates no activity, check the Hold Switch on the iRiver and on the Remote Control to make sure they are in the OFF position.



- **PLAY/PAUSE** Click
- **STOP** Click
- **PLAY NEXT TRACK** Click
- **PLAY PREVIOUS TRACK** Click

- **PLAY NEXT FOLDER** Click + Long Click
- **PLAY PREVIOUS FOLDER** Click + Long Click
- **GO FORWARD QUICKLY** HOLD DOWN
- **GO BACKWARD QUICKLY** HOLD DOWN
- **POWER OFF** Long Click

Tip

FILE FORMAT DISPLAYED

AS
F < ASF

WM
A < WMA

C
D < AUDIO CD

MP
3 < MP3



- **AT FIRST, PLEASE CHECK REMOTE CONTROL IS ATTACHED IN THE PLAYER.** Remote functions as an antenna.

- While playing CD  **TOGGLE BETWEEN CD and FM MODE**

- **POWER OFF**



- **SELECT STEREO/MONO**



- **EMPHASIZE BASS BOOST +10/EO**





● SELECTING FREQUENCY

- 1) Change frequency with  or  **Short Click** (ex : 87.5 → 87.6)

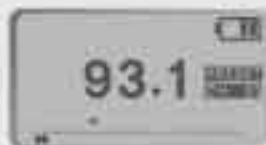
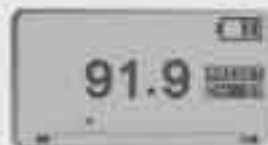
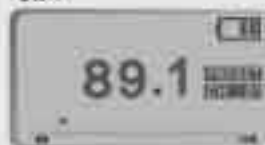
- 2) **AUTO SCAN FUNCTION** : To select channels automatically, release preset and press  or  **Long Click** (ex : 89.1 → 91.9)

- 3) **PRESET FUNCTION** :



To select memorized channel,
press NAVI/FUNCTION button to activate preset mode
press  or  to select the preset channel.

ex▼



- ▶ FM TUNER sensitivity may not be accurate within low transmission areas.
- ▶ While in preset mode, auto scan and auto memory function are not available.

PRESET MEMORY FUNCTION

1) or to select the frequency wanted.



Press or to select the preset channel wanted,



3) Up to 20 channels can be presetted.

Autoscan Memory Function:

Automatically select and memorize preset channels in sequential order.



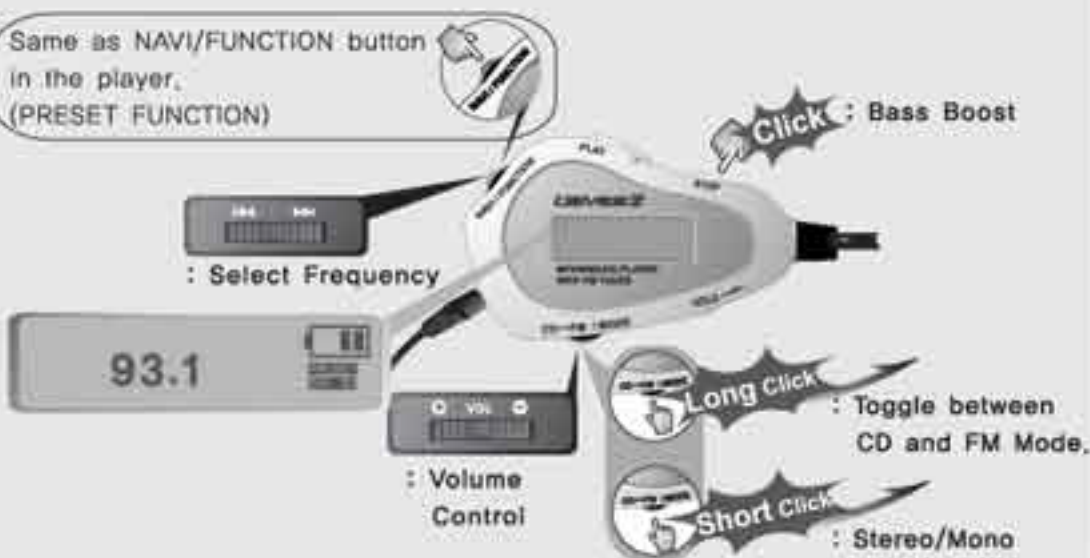
will not save and escape from memory mode to preset mode.

▶ Activated while the player is not in preset mode.

▶ Auto scan memory function may not be accurate within low transmission areas.

PLAYING WITH REMOTE CONTROL

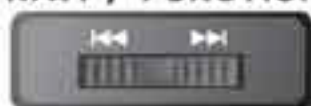
Same as NAVI/FUNCTION button in the player.
(PRESET FUNCTION)



Operating Remote Control

Remote control has 2 jog levers, providing total 8 buttons with similar functions as of buttons in the player.

NAVI / FUNCTION



CD-FM / MODE

Caution

Unlike LCD in the player, hold indicator does not appear in the remote control.

BASIC OPERATION

 PLAY/PAUSE

 STOP/POWER OFF

NAVI / FUNCTION



Play previous track : Slide jog lever to left
Play next track : Slide jog lever to right

ACTIVATE NAVIGATION MODE



ACTIVATE FUNCTION MODE



BASIC OPERATION

CD→FM / MODE



Volume Control : Slide jog lever to  or .

Select Mode Options (page 25)



Select CD→FM





NAVIGATION

Select :



then, Slide



to  or 

Play :



or 

Shift to Upper Folder :



or 

Exit Navigation Mode :

At FM Tuner :



Activate Preset Memory Mode



Slide to  or 

to Select Preset Channel

FUNCTION (page 19~26)

Select Menu :




, Slide



to  or 

Select Function :



or 

Select Function :



or 

MODE (page 25)

At CD Playback :



Activate Each Mode Selected
in Function Options.

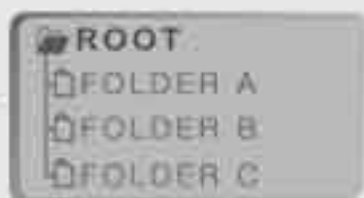
1. SELECT THE FOLDER AND TRACK(file or song) WANTED BY USING NAVI/FUNCTION BUTTON AND



BUTTON.

1

Click NAVI/FUNCTION button



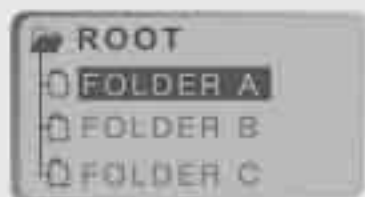
2



Shift within Folders



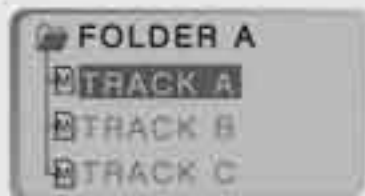
3. SELECT FOLDER or SHIFT to UPPER FOLDER



Shift to upper folder or escape NAVIGATION mode



4. SELECT THE TRACK



Shift to upper folder

Shift up within the folder

Shift down within the folder



Play the track selected

You can enjoy various ways of playback using playback mode. Please refer to function control options (page 25) for user defined configuration.



◀ When mode button pressed, icon in the playback mode indicator is changed.

REPEAT

	Play a single track repeatedly.
	Play whole tracks in the directory and stop.
	Play whole tracks in the directory repeatedly.
	Play whole tracks in the disk repeatedly.

SHUFFLE

SFL	Random play whole tracks in the disk repeatedly and stop.
	Play a single track repeatedly.
	Randomly play whole tracks in the directory repeatedly and stop.
	Randomly play whole tracks in the directory repeatedly.
	Randomly play whole tracks in the disk repeatedly.

INTRO

	<p>INTRO : Play beginning to seconds of each track in sequential order.</p> <p>INTRO HIGHLIGHT : Play 10 seconds from the spot 1 minute played for each track in sequential order.</p> <p>Above feature can be selected within Function Control Options.</p>
--	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

PROG

- **PROGRAM MODE :**
Play tracks in your favorite order.
- **SELECT PROGRAM/PLAYLIST :**
Playback play lists if the disk contains WinAmp play list *.m3u files. (page 27~28)

ACTIVATING PROGRAM MODE

1 **At Stop Mode**

PROG



Shift to Program Mode ▶

PROGRAM
001-000

- ▷ Program Mode is activated while in Stop Mode.
- ▷ Repeat A-B is activated while in Play Mode.

2 **Use , or +10/EO (or NAVI/FUNCTION) to select the**

track wanted and press

PROG



ex▼

PROGRAM 001-001	PROGRAM 2-002
ROOT	OT
LOVE YOU	
ROOT	Love is over
	Say good-bye

PROGRAM 001-001
ROOT
LOVE YOU

001-001

Track number in
program list

Track number within
the disk

- ▷ Use NAVI/FUNCTION button to select the folder and press PROG button to save the whole tracks within the folder. (Sub-folders are not saved.)
- ▷ To erase Programmed track : move to the track to be erased and press mode button, program list is automatically revised.

PROGRAM PLAY

After programming, press button to play the programmed tracks in sequential order.

Program mode icon appears.



CANCEL PROGRAM MODE

While in Play Mode



While in Stop Mode



INTERVAL REPEAT

Play selected interval repeatedly



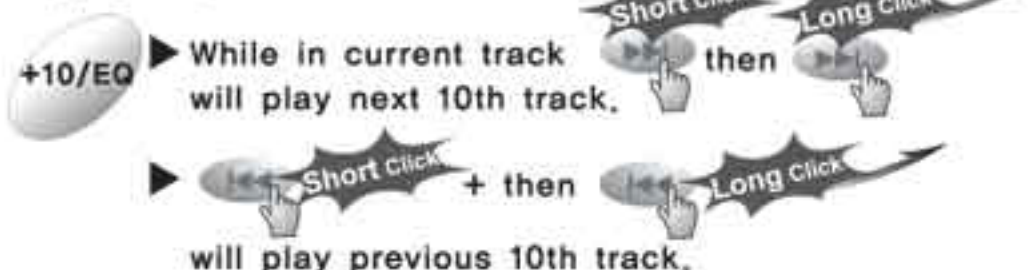
Button once to select beginning (A) point,



Button again to select ending (B) point,

+10 MODE

- Play previous or next 10th track while in Play Mode.
- Configure FF/RW SKIP in Function Control Option Mode, (page23)

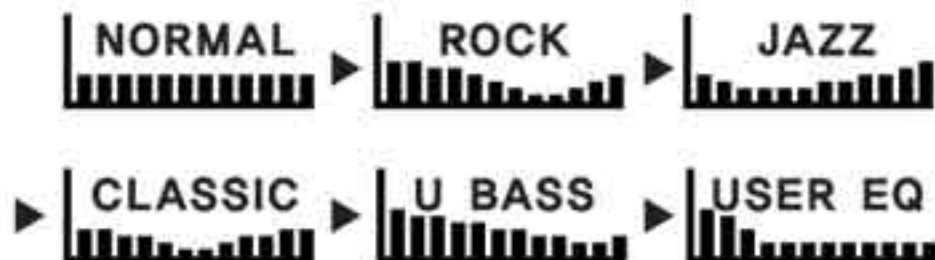


EQ MODE

- **+10/EO** Displays current EQ Mode.



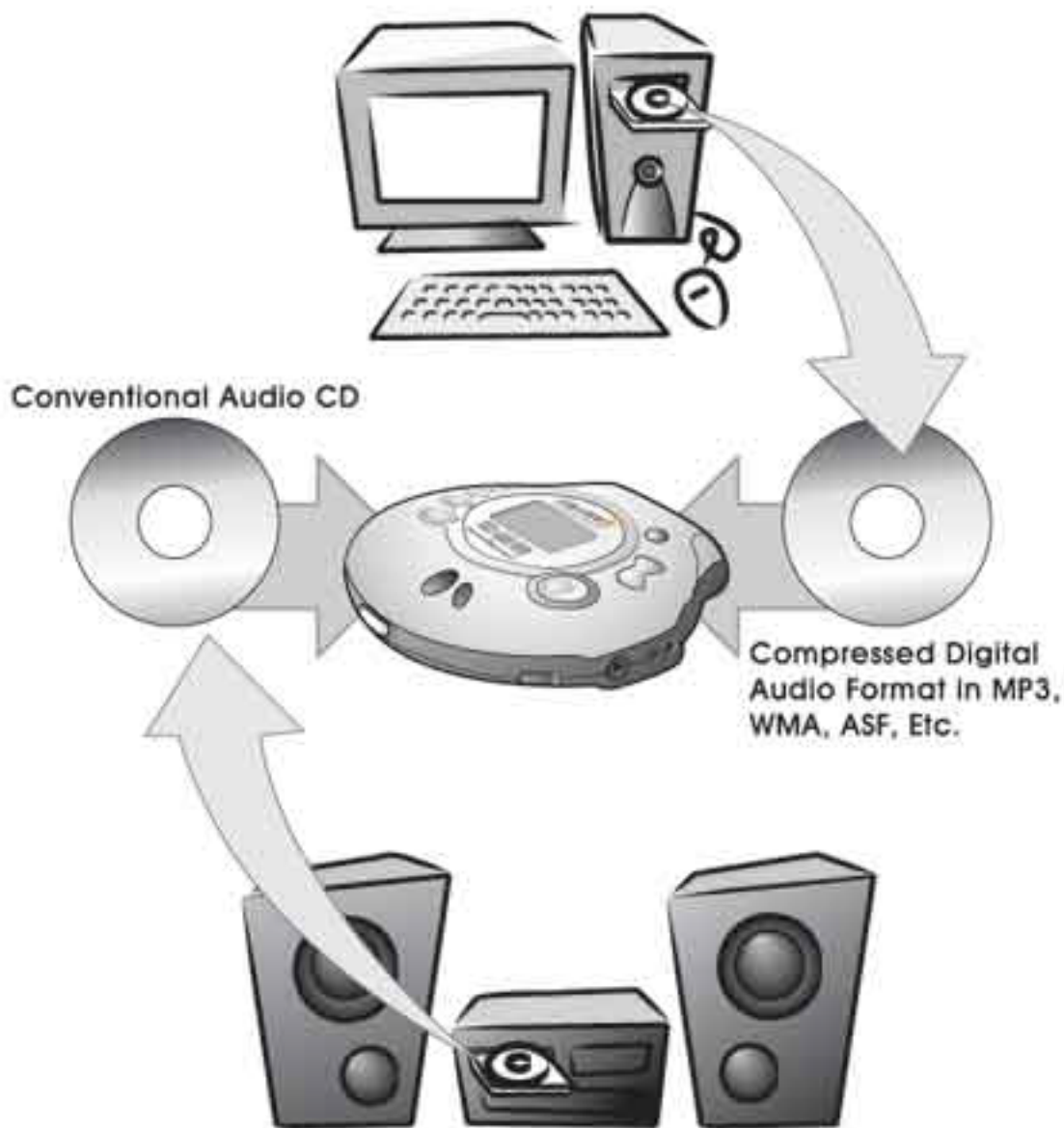
Press the button each time shifts the EQ MODE in sequential order.



Please refer to Function Control Option (page 26) for configuring User Defined EQ.



iZiver2 is a Multi-CODEC(MP3, WMA, ASF, Etc) Digital Audio Player as well as CD player with FM Tuner.



Function Control Mode

Function Control Mode are subject to change with the different firmware versions. User can configure own settings.

FUNCTION : Configuration

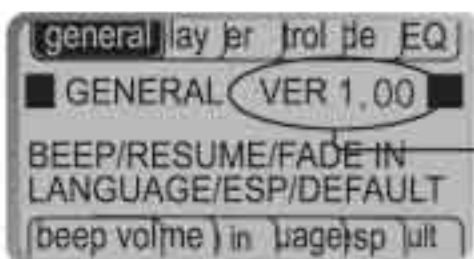
1 general	beep vol resume fade in language cd esp default	2 display	b.light contrast(lcd) contrast(remote) visualization tag info time	3 timer	sleep power off
4 control	F.scan F.skip speed scroll mode pause	5 mode	repeat shuffle intro study	6 user EQ	b.boost b.c.freq t.boost t.c.freq

※Function Control Option can only be configured in CD Mode.

FUNCTION : Menu Operation

- Activate by  NAVI/FUNCTION button.
- Consists of 6 main menu, each with sub menu.

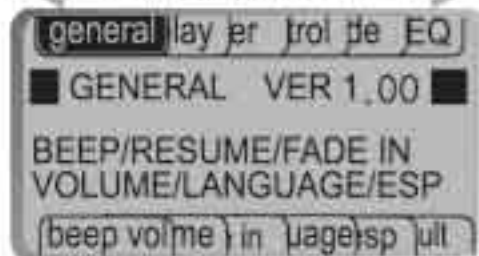
Main menu →



Display current firmware version.

Sub Menu →

① Shift Between Menu

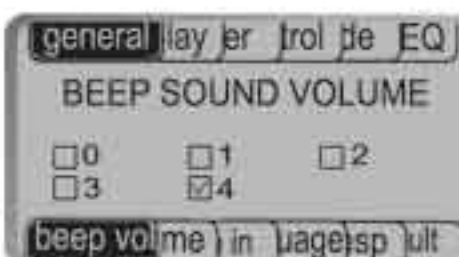


Shift Between Menu

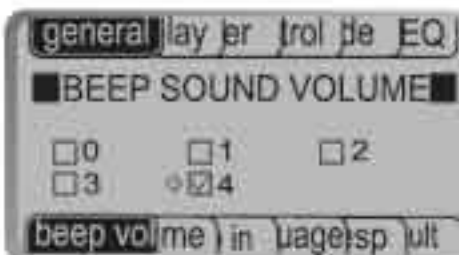
◀ Press |◀◀ or ▶▶| shift between Main and Sub Menu.



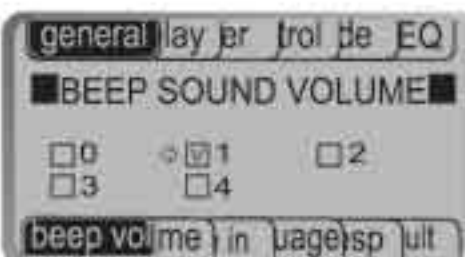
② FROM MAIN MENU TO SUB MENU



③ ENTER SUB MENU



④ Each Control Options are



configured by 3 buttons.



⑤ EXIT SUB MENU



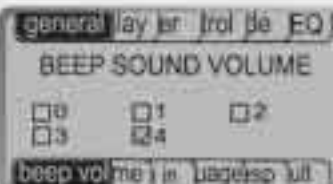
⑥ EXIT FUNCTION CONTROL MODE



GENERAL

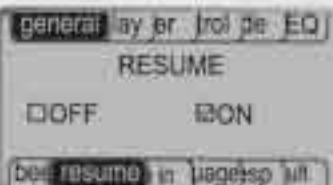
BEEP VOL

: Configure beep sound(ON/OFF) with volume level.



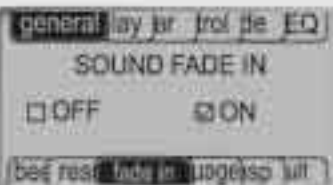
RESUME

: When activated, player return to the same settings after STOP or POWER OFF.



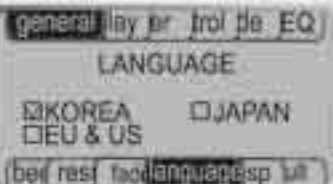
SOUND FADE IN

: When activated, volume steadily increases at Playback Mode to prevent sudden loudness.



LANGUGE

: Display proper fonts for tracks and ID3 tag information which differ by PC operating system in different language.

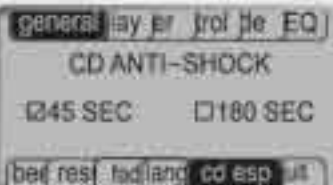


CD ANTI-SHOCK

: Pre-buffering technology applied to minimize the skipping at external shock.

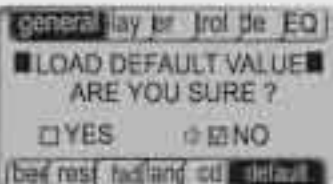
Playing Audio CD : Select 180 seconds to maximize skip protection, Select 45 seconds to maximize sound quality.

Playing Compressed Digital Audio : Always activate in 480 seconds.



LOAD DEFAULT VALUE

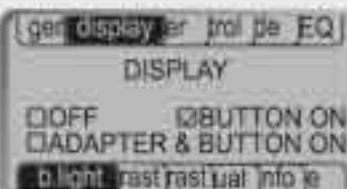
: Initialize to original factory settings.



DISPLAY

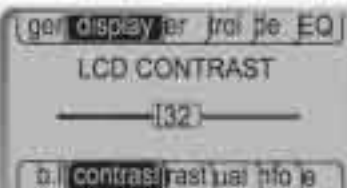
B.LIGHT

OFF : EL back light is always off.
 BUTTON ON : Activated at button operation.
 ADAPTER & BUTTON ON : EL back light is always on when adapter connected.



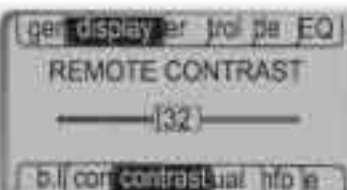
LCD CONTRAST

: Adjust LCD contrast of player.



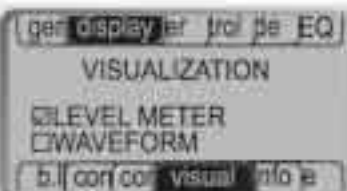
REMOTE CONTRAST

: Adjust LCD contrast of remote control.



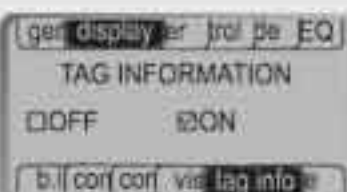
VISUALIZATION

: Visualize audio signal at playback mode.



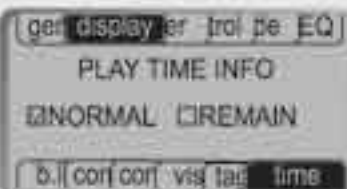
TAG INFO

ON : Display track with ID3 tag information.
 OFF : Display track with file name.



TIME

NORMAL : Display elapsed time.
 REMAIN : Display remain time.



Function Control (Timer and Control)

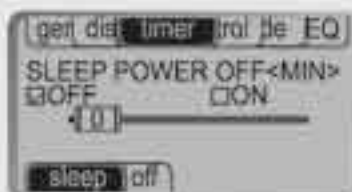
TIMER (Set Auto Power Off)

SLEEP POWER OFF

: Automatically power off after fixed time,
(Off or 1~99 minutes)

or to adjust time.

▷ Available with both CD and FM Tuner.

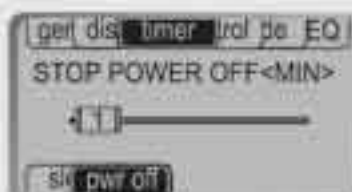


STOP POWER OFF

: Automatically power off at stop mode,
(1~60 minutes)

or to adjust time.

▷ Available with CD only.



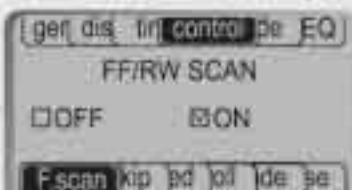
CONTROL (Set Button Function)

FF/RW SCAN

ON : or Fast scan within the track.

or Skip to previous/next track.

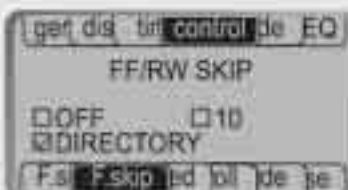
OFF : or Fast scan within the folder.



As of typical characteristic of MP3 CD fast scan may not be as smooth as conventional audio CD, typically with VBR (Variable Bit Rate) tracks.

●FF/RW SKIP

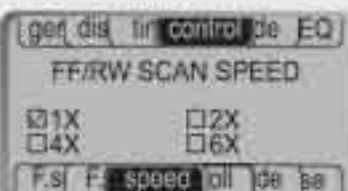
OFF : Skip does not activate,
 10 : Playback previous or next 10th track,
 DIRECTORY : Skip to previous or next folder.



●SPEED(FF/RW SCAN SPEED)

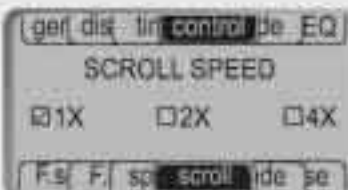
: Adjust scan speed by 1x/2x/4x/6x

Useful for Language Study Mode.



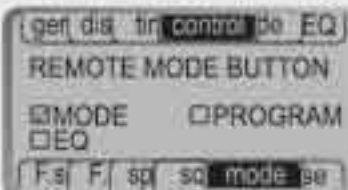
●SCROLL

: Adjust scroll speed of characters displayed
 in LCD by 1x/2x/4x.



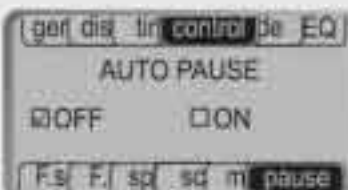
●MODE(REMOTE MODE BUTTON)

: Configure mode button in remote control as
 MODE / PROGRAM / EQ.



●PAUSE(AUTO PAUSE)

: When activated, playback automatically
 paused between the tracks, playing next
 song available only by pressing PLAY
 button each time.



MODE

REPEAT MODE / SHUFFLE MODE (Page 14)

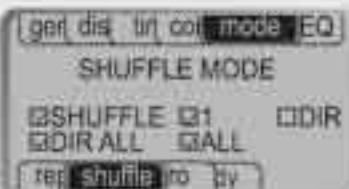
: Available with multiple selection, selected mode are activated on mode operation.



SHIFT AMONG MENU



SELECT MENU



INTRO MODE

INTRO : Play beginning 10 seconds of each track.

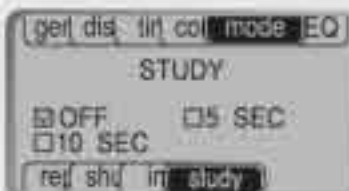
INTRO HIGHLIGHT : Play 10 seconds from the spot 1 minute played for each track.



STUDY MODE (LANGUAGE STUDY)

: When activated, press STOP button will rewind and playback 5 to 10 seconds.

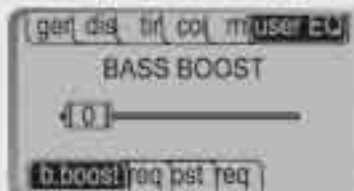
Pressing MODE button in remote control activates REPEAT A(-)B Mode.



USER EQ

B_BOOST(BASS BOOST)

: Bass boost level is from 0 to 12 dB.



B.C.FREQ(BASS CORNER FREQUENCY)

: Bass boost frequencies are 50Hz, 100Hz, and 200Hz.

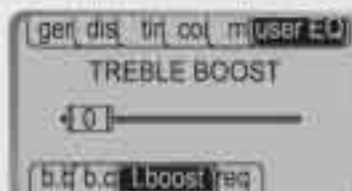
Bass boost function is effective under the frequency range configured.

Maximized at 200Hz.



T_BOOST(TREBLE BOOST)

: Treble boost level is from 0 to 12dB.

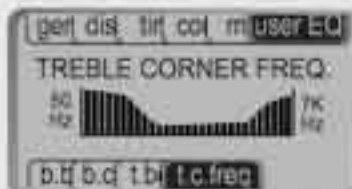


T.C.FREQ(TREBLE CORNER FREQUENCY)

: Treble boost frequencies are 2kHz, 4kHz, and 7kHz.

Treble boost function is effective over the frequency range configured.

Maximized at 2KHz.



USING WINAMP PLAY LIST

1) Build-Up WinAmp Play List (*.M3U)

▼WinAmp Execution Screen



1. Execute WinAmp, add songs to build-up play list.

2. Press LIST OPTS button in the right bottom and execute SAVE LIST.

▲Click SAVE LIST button.



3. Input file name(ex: river.m3u) and press SAVE button will create new play list.

2) Burn the disk with WinAmp play list and related files (songs).

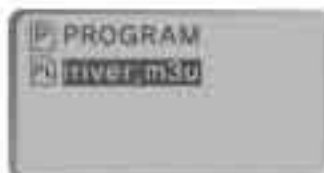
3) Insert the disk into the player.

4) Press PROGRAM button at STOP mode will display LCD as in right side.

Use  or  to select play list wanted.



- 5) Press to play selected play list in sequential order.



Icon stands for playback of play list ▶



- 6) Maximum 20 play lists within the disk are recognized.



● PRESERVATION FUNCTION

Press NAVI/FUNCTION button during playback, select the song to be reserved. Press PROG button reserves next song to be played.

ex ▼



NAVI/FUNCTION button during playback.



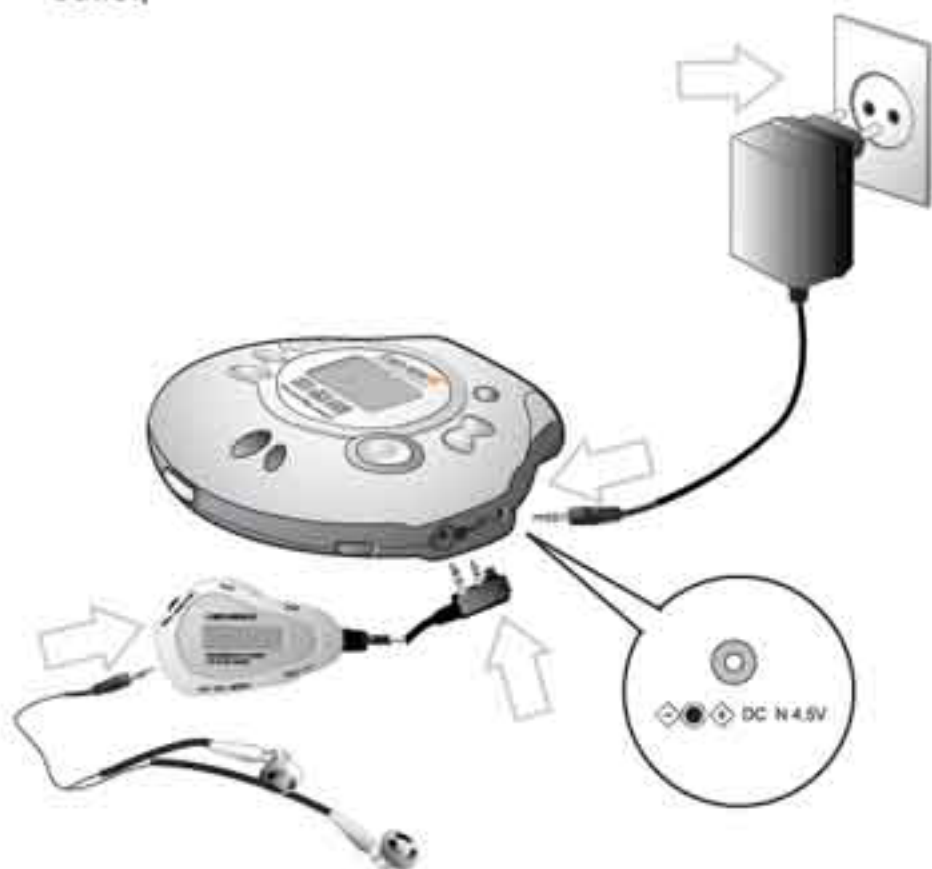
Press or to shift through

and to select the track.



● USING AC POWER ADAPTER

- Use only the AC power adapter supplied.
Do NOT use any other AC power adapter which may cause a malfunction.
- Connect the adapter to 4.5V DC Jack in the player and AC outlet.



▷ Disconnect adapter when not in use.

USING DRY BATTERIES

- Open the battery compartment lid in sequential order.
- Insert two AA size alkaline batteries by matching the ⊕ and ⊖ polarity diagram in the battery compartment and close the lid.



- ▷ Recommend alkaline batteries than manganese batteries for longer life time.

CAUTION!

On rechargeable batteries and dry batteries

- Do not charge the dry batteries.
- Do not throw the batteries into fire.
- Do not carry the batteries with coins or other metallic objects. It can generate heat if the positive and negative terminals of the battery are accidentally contacted by a metallic object.
- Do not mix rechargeable batteries with dry batteries.
- Do not mix new batteries with old ones.
- Do not use different types of batteries together.
- When the batteries are not to be used for a long time, remove them.
- If battery leakage occurs, wipe off any deposit in the battery compartment, and install new batteries. In case the deposit adheres to you, wash it off thoroughly.

Power Supply (Rechargeable Battery)

USING RECHARGEABLE BATTERIES

- Open the battery compartment lid in sequential order.
- Insert two AA size rechargeable batteries by matching the ⊕ and ⊖ polarity diagram in the battery compartment and close the lid.



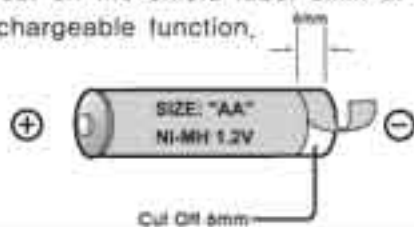
- Connect AC power adapter supplied.
- Press STOP button longer than 1.5 seconds at CD or FM TUNER Mode leads to CHARGE Mode.

Caution !

- Rechargeable function is not activated while the player is in operation.
- Recharging time may vary with the condition of battery usage.
- Rechargeable battery of new or not being used for long period may not be fully charged unless discharge and charge performed repeatedly.
- If the battery life becomes shorter by about half, replace the batteries with new rechargeable batteries.
- Do not mix rechargeable batteries with dry batteries.
- To keep the original battery capacity for a long time, charge batteries only when they are completely depleted.
- Having the best performance, strongly recommend to use same type battery provided with the player (Sanyo Ni-MH 1.2V 1600mAh AA size).
- The battery lifetime indicator roughly shows the remaining battery power.
- One section does not always indicate one-fourth of the battery power.
- Depending on operation conditions, the indicator section may increase or decrease.

► Using the third party rechargeable batteries

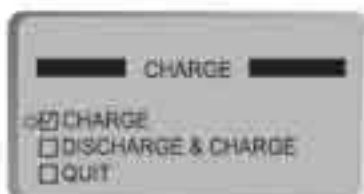
As of below photo, cut off the shield label 6mm at ⊖ to make a sensing point for rechargeable function.



Recharging Method

- Rechargeable function is available while the player has rechargeable batteries and connected to AC power adapter.
- POWER OFF activates rechargeable function displaying CHARGE Mode in LCD.
- While in Charge Mode, pressing ►|| button switchover to CD/FM TUNER Mode.
While in Charge Mode, pressing ■ longer than 1.5 seconds power off the player.

- 1) Insert rechargeable batteries with shield label cut-offed 6 mm at ⊖.
- 2) Connect AC power adapter,
(Press STOP button longer than 1.5 seconds)
- 3) LCD



SHIFT AMONG MENU :

SELECT MENU

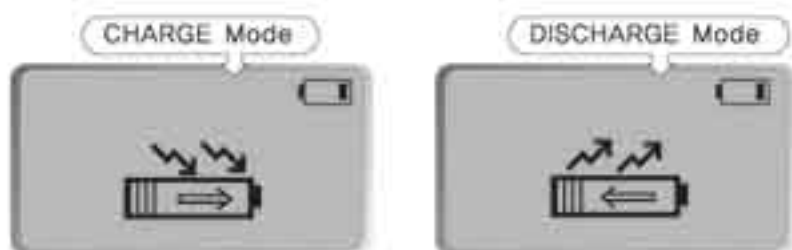
Automatically begin charge when 1 minute passed without menu selection.

CHARGE : Charge Without Discharge

DISCHARGE & CHARGE : Charge After Full Discharge

QUIT : Exit Charge Mode

4)



- 5) Automatically power off when charge completed.
- 6) Charging Time (Estimated with the rechargeable batteries provided)
 - Charging : Approximately 7 Hours (At full discharge)
 - Discharging : Approximately 5 Hours (At full charge)

Should any problem persist after you have checked these symptoms, consult your nearest iRiver dealer.

No power on.

- Check whether the batteries have been inserted in proper polarity.
- Check whether the HOLD switch in player or remote is at ON, (Switch to OFF position,)
- Check whether the player lid is opened.
- Check whether the rechargeable batteries are not charged.

"NO DISC" displayed in LCD.

- Check whether CD is inserted.
- Check whether the CD is dirty or defective, clean it or change to new CD.
- Check whether the CD is inserted with the label side up.
- Check whether defects are attached in optical lens, remove the dirt with soft cloth.
- Check whether moisture condensation has occurred.
Leave the CD player aside for several hours until the moisture evaporates.
- May occur due to the characteristic deviation between CD-RW recorder and CD-R/RW disk, burn the disk in low speed.
- Use packet write disk with full formatting done.

No sound or noise is heard.

- Check whether VOLUME is set to "0".
- Connect the earphone/remote plug firmly.
- Check whether plug is dirty, Clean the plug with a dry and soft cloth.
- Corrupted MP3, WMA file may have a noise or sound cut off.
- Continuous and excessive shock may keep MP3, WMA and audio CD disk from proper playback.

iRiver

Model No. : iMP-250

iRiver Limited

<http://www.iRiver.com>