iriver
T20

http://www.iriver.com

Instruction Manual
T20

iriver www.iriver.com

Thank you for your purchase.
Please read this manual carefully
before using your new player.

Firmware Upgradable™

MP3 DIGITAL AUDIO | FM TUNER | Plays Windows Media™ | REC VOICE recorder | SRS WOW DIGITAL

Contents

• Some features might not be available in every region.

Welcome

Thank you for your iriver purchase

Thank you for your iriver purchase.
The T20 comes complete with a long list of advanced features. It is important that you read the manual to ensure that you get the most out of your new player.

http://www.iriver.com

Obtain information about your player, look for updates, and find answers to questions at our web site.

- iriver website address is www.iriver.com.
- The site provides product information and customer support.
- Use the firmware (system software) upgrade function of our products from the site to continuously improve the product performance.

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CE, FCC, MIC

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- **Neither the Manufacturer, importers nor dealers is responsible for any accidental damage including bodily injury or any damage resulting from misuse or unsuitable operation by you.**
- **The information on this manual is prepared with the current player specifications. The manufacturer, iriver Limited, is adding new features to the product and may persistently apply new technologies hereafter. All standards may be changed at any time without notice.**
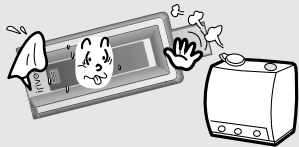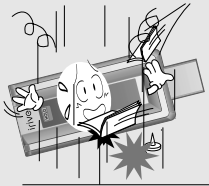
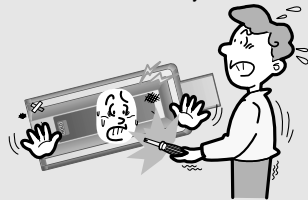## Safety Instructions For your safety, please read before use.

Product

Keep away from harsh environments including humid, dusty, and smoky areas.

Do not drop or subject the device to impact.

Do not disassemble or modify.

Keep out of direct sunlight and extreme heat and cold.

Do not use excessive force on the buttons or attempt to disassemble the device.

Do not clean using chemicals or detergents. Doing so may damage the surface or paint.
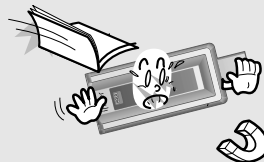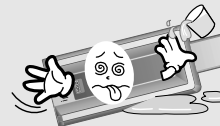
Safety Instructions For your safety, please read before use.

Product

Keep the player away from strong magnets.

Avoid contact with water and other liquids and dry immediately with a soft cloth should contact occur.

Do not use headphone / earphones at high volume. Hearing experts advise against listening to continuous, loud and extended play.

Do not use headphones/earphones while cycling, driving, or operating any motorized vehicle. It is dangerous and is illegal in some areas.

Avoid impacting the player against other objects when it is in your pocket or backpack.

External impact, lightning, power shorts or other events may damage the data stored in the product. The user is solely responsible for data backup and the company will not be liable for loss of stored data under any circumstances.

Chapter

1

iriver **www.iriver.com**

Components
● Accessories subject to change without notice and may vary from image shown.

| Earphone | Installation CD | User Manual/ Warranty card/Quick Start Guide |

Neck strap for carrying

Locating the controls
● Your player may differ sightly from that shown in the illustrations.

Product

02:45:56
Jazz Piano
SA   00:04:04:30
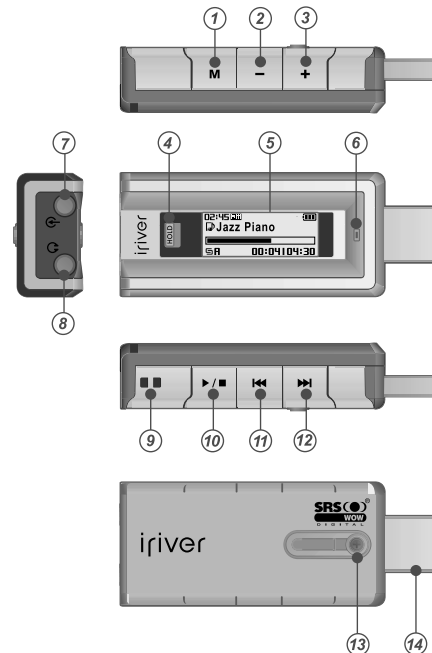
①	Mode/REC button
②	Volume - button
③	Volume + button
④	Hold Switch
⑤	LCD Screen
⑥	Microphone
⑦	Line In Jack
⑧	Earphone Jack
⑨	Neck Strap Connection Part
⑩	Play/Stop button
⑪	Previous/Fast Reverse button
⑫	Next/Fast forward button
⑬	USB Lever
⑭	USB connection port

iriver

SRS WOW

iriver

Locating the controls

LCD Screen display

1. MUSIC Mode

02:45 PM

♪ Jazz Piano

5 A   00:04:04:3

NORMAL MP3 128K 48KHz

① Time
② Play mode
③ Hold
④ Battery indicator
⑤ Title name
⑥ Progress bar
⑦ Total playing time of selected song
⑧ Playing time
⑨ Volume level
⑩ Sampling rate
⑪ Bit rate
⑫ File Type
⑬ EQ
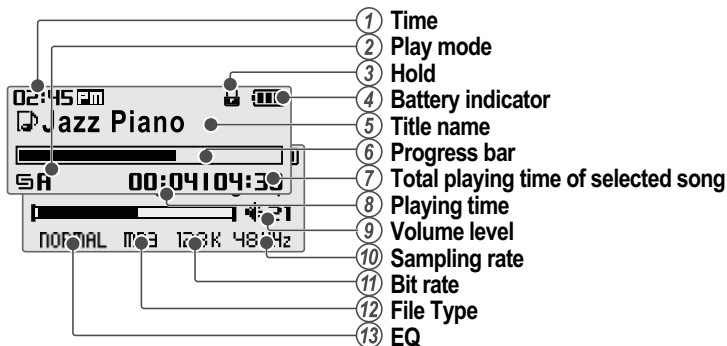
2. * FM RADIO Mode   * Only for models including FM Radio function

02:45 PM ((●))

89.7   PRESET
         CH 02

87.5   108

① Stereo indicator
② Frequency
③ Preset indicator
④ Channel Number
⑤ Frequency Range
⑥ Frequency Bar
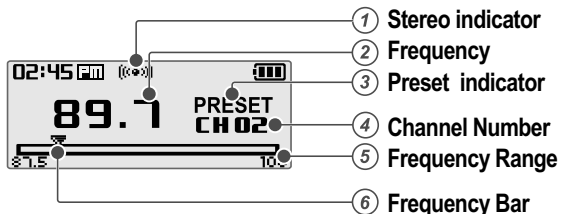
Connection/Installation

Connecting to the PC

1. Push the USB lever and pull out the USB connection port as below picture and connect the player to the PC.

iriver   SRS(●)   iriver   SRS(●)
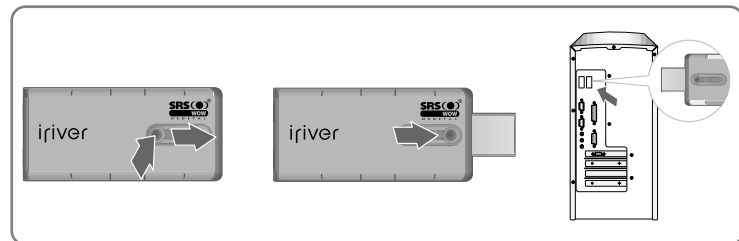
2. Turn on the player, "USB Connect" icon will appear on the LCD screen of the player.

USB Connected

3. Windows Tray will display a "Device Attached" icon.

2:11 PM

4. Once installed, open Windows Explorer and an additional device should be listed called " T20".

Connection/Installation

"Safely Remove Hardware" from the PC

1. Select the "Safely Remove Hardware" after clicking the "Safe To Remove Hardware" by right-clicking your mouse.

2. Click the "Stop" after selecting the device to remove.

3. Click "OK" after confirming the hardware to remove.

4. Click "Close" after confirming the Safely Remove Hardware message. (In case of Windows XP)
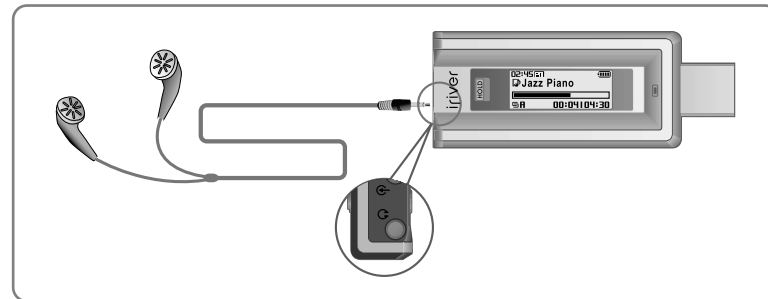
Connection/Installation

Connecting the earphones

1. Connect the earphones jack to the earphone socket on the player.

Connection/Installation

Charging the battery

If the 🔋 icon is displayed, the battery is out of power and you should charge the battery .

1. Connect the player to PC after push the USB lever and pull out the USB connection port as below picture.

2. "USB Connected" on the display is appeared, charging indicator is displayed.

3. Disconnect the player to PC when charge is completed and then pull in USB connection port as picture.

Note

■ You can charging the battery at tuned off the player.
■ Charging time : Approx. 3.5 hours (At fully discharged/Stop mode)

Connection/Installation

When you connect T20 to your PC, iriver plus 2 will be started and all titles and Playlists in the library will be transferred to T20 In addition, you can create and manage your own Playlist.

Installing iriver plus 2

Note : System Requirements

The minimum PC requirements for running iriver plus are as follows.

■ 300 MHz Pentium processor or higher
■ Windows 2000/ XP
■ Microsoft Internet Explorer version 6.0 or later

■ 128MB RAM
■ SVGA or high resolution monitor
   (800x600 resolution or higher)

1. The program installation process will start automatically after inserting the Installation CD to the PC's CD-ROM drive. If the program installation process does not start automatically, click the "My Computer"icon and run "iriver2_setup_full.exe " file in the CD--ROM drive.

iriver plus 2_
setup_full.exe

2. If the "Installer Language"window appears, select the desired language and click the [OK] button.

3. Follow the on screen instructions, which appear as each window.

4. If the "License Agreement" window appears,click the [I Agree] button.

Quick start

5. Select the components and click the [Next] button.
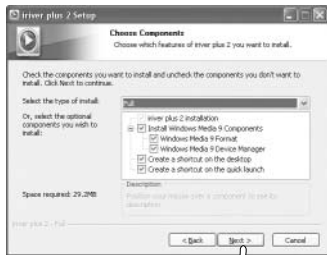
6. Select the installation folder and click the [Install] button. The installation process screen appears.

8. Select the file types and then click the [Next] button.

9. Click the [Finish] button when the installation complete screen is displayed.

Chapter

2

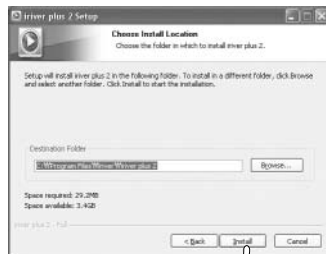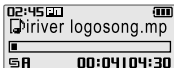## Basic Usage

Turning on/off the player

1 **Turning on the player**

Press the ▶/■ button to turn on the player.

Previous function mode will be displayed.

Note

■ If the player does not power ON, please replace your battery.

2 **Turning off the player**

Press and hold the ▶/■ button.

Turns off the player.

Playing a music file

1 **When powered on, press and hold M button to display the function mode screen.**

2 **Press ⏮ , ⏭ button to choose the [MUSIC] mode then press ▶/■ button.**

Previous music file will resume playback.
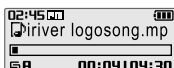
Basic Usage

Selecting a music file

1 **During the music file playback, press ⏮ , ⏭ button to choose the desired music file.**

⏮ : to select previous music file
⏭ : to select next music file

Adjusting the volume
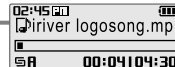
1 **Adjusting the volume**

During the music file playback, press − , + button to adjust volume level.

− : Decrease volume level.
+ : Increase volume level.
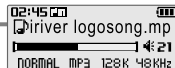
Basic Usage

Selecting the function mode

1 When powered on, press and hold **M** button to display the function mode screen.
Press ⏮ , ⏭ button to choose the desired function mode.

MUSIC

Note

BROWSER

RECORDING

MUSIC

FM RADIO

SETTINGS

<Only for models including FM Radio function>
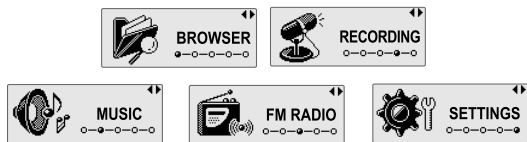
2 Press ▶/■ button to enter.

Press **M** button to cancel.

02:45
♪iriver logosong.mp
5A   00:04:04:30

Basic operation

Chapter

3

* Only for models including FM Radio function

Playing a music file

1 **Release HOLD switch, then press ▶/■ button to turn on the player.**

Previous function mode will display.

SCAN MUSIC FILE

02:52 Record Ready
00:00:00 I 08:30:30

2 **Press and hold M button to display the function mode screen.**
Press ⏮ , ⏭ button to select [MUSIC] mode, then press ▶/■ button to enter.

Previous music file will resume playback.

RECORDING
o–o–o–●–o

MUSIC
o–●–o–o–o

02:45 ♪iriver logosong.mp
SA 00:04 I 04:30

3 **Stop music playback**

Press ▶/■ button to stop music playback.
**Press ▶/■ button again to continue playing.**

02:45 Total 0020
SA 00:44 I 04:30

4 **Adjusting the volume**

During the music file playback, press − , + button to adjust volume level.

− : Decrease volume level.
+ : Increase volume level.

02:45 ♪iriver logosong.mp
◀21
NORMAL MP3 128K 48KHz
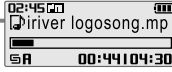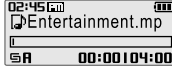
5 **Skipping to previous/next file**

During the music file playback, press ⏮ , ⏭ button to skip to the previous/next file

⏮ : previous file   ⏭ : next file

02:45 ♪iriver logosong.mp
SA 00:44 I 04:30

02:45 ♪Entertainment.mp
SA 00:00 I 04:00

6 **Fast searching**

Press and hold the ⏮ , ⏭ button for fast-forward or fast-reverse playback.

⏮ : fast-rewind   ⏭ : fast-forward
Release the button for normal playback.
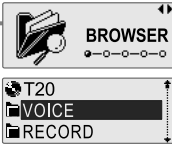
02:45 ♪Entertainment.mp
SA 00:40 I 04:00

Selecting a music file

1 Press and hold **M** button to display the function mode screen.
Press **◄◄** , **►►** button to select [BROWSER] mode, then press **►/■** button to enter.
   The music file list screen will be displayed.

BROWSER

◆T20
VOICE
RECORD

2 Use the **◄◄** , **►►** , **►/■** , **M** buttons to, select a music file.
  ◄◄ : to move up   **►►** : to move down
  ►/■ : to enter the folder **M** : to exit the folder

To exit file list screen, press **M** button.

My Music
iriver logosong.mp
Entertainment.mp3

3 Press **►/■** button to start playback.

02:45 PM
iriver logosong.mp
SA   00:04|04:30
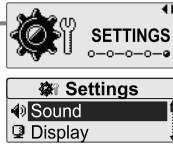
Changing playback mode
Playback Mode can be changed in the [SETTINGS - Sound - Play Mode Select]. (Refer to page 47)

1 Press and hold **M** button to display the function mode screen.
Press **◄◄** , **►►** button to select [SETTINGS] mode, then press **►/■** button to enter.
   The [SETTINGS] screen will be displayed.

SETTINGS

Settings
Sound
Display

2 Press **◄◄** , **►►** button to choose the [SOUND], then press **►/■** button.
   The [SOUND] sub-menu screen will be displayed.

Sound
SRS Setting
User EQ

3 Press **◄◄** , **►►** button to choose the [Play Mode Select], then press **►/■** button.
   The [Play Mode Select] screen will be displayed.

Sound
EQ Select
Play Mode Select

PLAY MODE

4 Press **◄◄** , **►►** button to select desired playback mode, then press **►/■** button.
   The playback mode is changed to the selected mode.

PLAY MODE

02:45 PM
iriver logosong.m
SA   00:04|04:30

MUSIC

Note
■ The following the icons displayed to indicate playback mode.

Normal playback	**A**	Play all files in the player, then stop.
	D	Play all files in the current folder, then stop.
Repeat playback	**1**	Play a single file repeatedly.
	A	Play all files in the player repeatedly.
	D	Play all files in the current folder repeatedly.
Shuffle playback	**SA**	Randomly play all files in the player, then stop.
	SD	Randomly play all files in the current folder, then stop.
Shuffle playback repeatedly.	**SA**	Randomly play all files in the player repeatedly.
	SD	Randomly play all files in the current folder repeatedly.

A-B Repeat

1 Press M button while playing to select the beginning (A) point.

2 Press M button again to select the end (B) point.
Play a selected interval repeatedly.

To cancel interval repeat, press the M button.

MUSIC

Changing the sound EQ
The sound EQ can be changed in the [SETTINGS - Sound - EQ select]. (Refer to page 47)
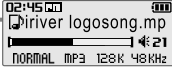
1 Press and hold M button to display the function mode screen.
Press ⏮ , ⏭ button to select [SETTINGS] mode, then press ▶/■ button to enter.
The [SETTINGS] screen will be displayed.

2 Press ⏮ , ⏭ button to choose the [Sound], then press ▶/■ button.
The [SOUND] sub-menu screen will be displayed.
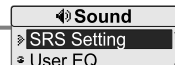
3 Press ⏮ , ⏭ button to choose the [EQ Select], then press ▶/■ button.
The [EQ Select] screen will be displayed.
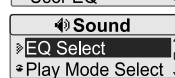
4 Press ⏮ , ⏭ button to select desired sound EQ, then press ▶/■ button.
The sound is changed to the selected EQ setting.
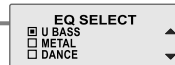
Note
■ You can select one of the following EQ types:
NORMAL, CLASSIC, LIVE, POP, ROCK, JAZZ, U BASS, METAL, DANCE, PARTY, SRS, USER EQ

MUSIC

Downloading the music files

1. Push the USB lever and pull out the USB connection port as below picture and connect the player to the PC. (Refer to page 12)
The iriver plus 2 will execute automatically.

2. Select the files on the PC to transfer to the player.
Drag and drop to copy files to the desired location on the player.
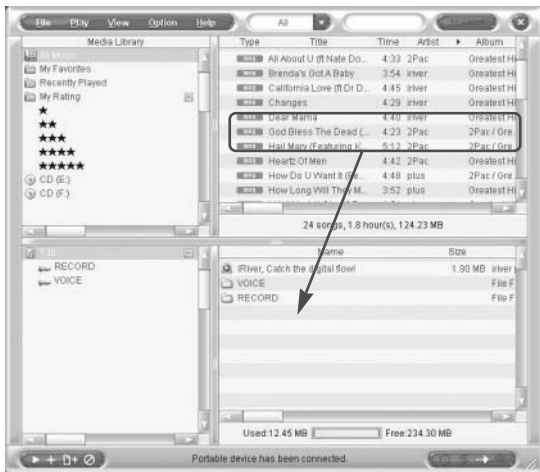
MUSIC

Deleting a file on the player
The File can be deleted in the [SETTINGS - Advanced - Delete File]. (Refer to page 61)

1 **Press and hold M button to display the function mode screen.**
Press ⏮ , ⏭ button to select [SETTINGS] mode, then press ▶/■ button to enter.
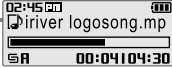The [SETTINGS] screen will be displayed.

2 **Press ⏮ , ⏭ button to choose the [Advanced], then press ▶/■ button.**
The [Advanced] sub-menu screen will be displayed.
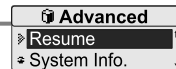
3 **Press ⏮ , ⏭ button to choose the [Delete File], then press ▶/■ button.**
The [DELETE file] list screen will be displayed.
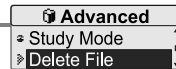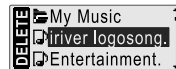
Note

■ While in a music file playback, delete functions are not available.

MUSIC

4 **Select a file to delete by using the ⏮ , ⏭ , ▶/■ , M button, then press ▶/■ button.**

⏮ : to move up   ⏭ : to move down
▶/■ : to enter the folder   M : to exit the folder

> My Music
> iriver logosong.
> Entertainment.

DELETE FILE
ARE YOU SURE ?
☐ YES   ☑ NO

5 **Press ⏮ , ⏭ button to choose the [Yes], then press ▶/■ button.**
   File is deleted on the player.

DELETE FILE
ARE YOU SURE ?
☑ YES   ☐ NO

BROWSER

▌BROWSER

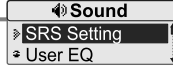**1** **Press and hold M button to display the function mode Screen.**
Press ⏮ , ⏭ button to select [BROWSER] mode, then press ▶/■ button to enter.

MUSIC
○—●—○—○—○

BROWSER
●—○—○—○—○

2 **File list screen is displayed on the LCD screen.**

T20
VOICE
RECORD

* FM RADIO   * Only for models including FM Radio function

* FM RADIO   * Only for models including FM Radio function

Listening to FM radio

1 **Press and hold M button to display the function mode Screen.**
Press the ⏮ , ⏭ button to select [FM RADIO], then press the ▶/■ button to confirm.

The previous station is displayed.

FM RADIO

02:40 PM PRESET
89.7 CH 02

2 **Press the ⏮ , ⏭ button to select your desired station.**

02:45 PM PRESET
91.9 CH 03
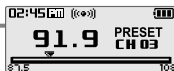
3 **To change STEREO/MONO**

Press the M button to display FM Radio function Selection screen.
Press the ⏮ , ⏭ button to select [STEREO ON or STEREO OFF], then press the ▶/■ button to confirm.
The station is changed to stereo or mono.

02:54 PM PRESET
89.7 CH 02

RECORDING
DELETE CHANNEL
AUTO SAVE
STEREO OFF

02:42 PM PRESET
89.7 CH 02

Searching for a FM radio frequency - Manual Scan

1 If PRESET is displayed, first press the ▶/■ button to exit PRESET mode.
Press the ⏮ , ⏭ button to select your desired station.

02:40 PM
89.7

02:40 PM
89.8

Searching for a FM radio frequency - Auto Scan

1 If PRESET is displayed, first press the ▶/■ button to exit PRESET mode.
To automatically locate a station press and hold the ⏮ , ⏭ button.

The player will quickly scan through each frequency and stop at the next station that can tuned in.

02:40 PM
89.7

02:45 PM
91.9

Note

■ In areas where the signal is weak, some channels may be unavailable, or reception may be poor.

Note

■ While in Preset mode, auto scan functions are not available.

* FM RADIO   * Only for models including FM Radio function

Saving an FM Radio frequency - Manually

1 If PRESET is displayed, first press the ▶/■ button to exit PRESET mode.
Press the |◄◄ , ►►| button to select your desired station.

`02:52 PM ((o))`
89.7

`02:52 PM ((o))`
98.1

2 **Press the M button to display FM Radio function Selection screen.**
Press the |◄◄ , ►►| button to select [SAVE CHANNEL], then press the ▶/■ button.
The SAVE CH screen is displayed.

`RECORDING`
`SAVE CHANNEL`
`AUTO SAVE`
`STEREO ON`

`SAVE CH`
`CH 08`
`98.1`

3 **Select channel number by using the |◄◄ , ►►| button, then press ▶/■ button to save.**

   ■ : saved   □ : not used

To exit the SAVE CH screen, press the M button.

`SAVE CH`
`CH 11`
`98.1`

`02:52 PM ((o))`
98.1 `CH 11`

---

* FM RADIO   * Only for models including FM Radio function

Saving an FM Radio frequency - Automatically

1 **Press the M button to display FM Radio function Selection screen.**
Press the |◄◄ , ►►| button to select [AUTO SAVE].
Press the ▶/■ button to to automatically select stations and save them in sequential order.

`RECORDING`
`DELETE CHANNEL`
`AUTO SAVE`
`STEREO ON`

`02:52 PM ((o))`
88.1 `PRESET`
`CH 01`

Selecting preset memory

1 If PRESET is not displayed, first press the ▶/■ button to enter PRESET mode.
Press the |◄◄ , ►►| button to select your desired channel.

`02:52 PM ((o))`
88.1 `PRESET`
`CH 01`

`02:52 PM`
89.7 `PRESET`
`CH 02`

Note

   ■ Up to 20 stations can be saved.

Note

   ■ When the player does not have any preset stations, EMPTY will be displayed at Preset mode, then fade out.

* FM RADIO   * Only for models including FM Radio function

Deleting a channel

1 If PRESET is not displayed, first press the ▷/■ button to enter PRESET mode.
Press the M button to display FM Radio function Selection screen.

```
02:52 [FM] ((•))          [▥▥]
107.7    PRESET
                  CH 12
●1.5              108
```

```
RECORDING
DELETE CHANNEL
AUTO SAVE
STEREO ON
```

2 **Press the ◁◁ , ▷▷ button to select [DELETE CHANNEL], then press the ▷/■ button.**
The DEL. CH screen is displayed.

```
RECORDING
DELETE CHANNEL
AUTO SAVE
STEREO ON
```

```
DEL. CH
CH 12
107.7
```

3 **Select channel number by using the ◁◁ , ▷▷ button, then press ▷/■ button to delete.**

   ■ : saved   □ : not used

To exit the DEL. CH screen, press the M button.

```
DEL. CH
CH 01
88.1
```

```
02:52 [FM] ((•))          [▥▥]
88.1    PRESET
                  CH 01
●1.5              108
```

RECORDING

To record *FM station   * Only for models including FM Radio function

1 **Press the M button to display FM Radio function Selection screen.**
Press the ◁◁ , ▷▷ button to select [RECORDING], then press the ▷/■ button.
The station will be recorded.

```
RECORDING
DELETE CHANNEL
AUTO SAVE
STEREO OFF
```

```
02:52 [FM]          [▥▥]
Tuner0510_003
00:30:30 / 08:30:30
```

2 **Pausing station recording**

   Press ▷/■ button to pause the recording process.
   Press ▷/■ button again to restart recording.

```
02:52 [FM]          [▥▥]
Tuner0510_003
00:30:30 / 08:30:30
```

```
02:52 [FM]          [▥▥]
Tuner0510_003
00:30:31 / 08:30:30
```

3 **Press the M button again to stop recording.**

   The recorded file is saved.

```
02:40 [FM] ((•))          [▥▥]
89.7    PRESET
                  CH 02
●1.5              108
```

Note

■ The recorded file is saved as TUNERMMDD_XXX.MP3 in the RECORD folder.
  (MM : Month, DD : day, XXX : sequential number)
■ Volume can not be controlled while recording.
■ You can adjust recording quality at the SETTINGS-RECORDING-FM SETTING. (Refer to page 53)

RECORDING

▌Recording voice

M	**1**	**Press and hold the M button to display function mode screen.** **Select the [RECORDING] by using the ⊮◄ , ►►⊩ button, then press ►/■ button.** The recording select screen is displayed.	RECORDING ○-○-○-●-○ Recording ▷ Voice ▫ Line-in
⊮◄ ►►⊩			
►/■			
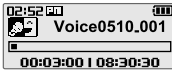
⊮◄ ►►⊩	**2**	**Select the [VOICE] by using the ⊮◄ , ►►⊩ button, then press ►/■ button.** The recording standby screen is displayed.	02:52 PM Record Ready 00:00:00 I 08:30:30
►/■			

M	**3**	**Press the M button to begin recording.** Press ►/■ button to pause the recording process. Press ►/■ button again to restart recording.	02:52 PM Voice0510_001 00:00:00 I 08:30:30 02:52 PM Voice0510_001 00:03:00 I 08:30:30
►/■			

M	**4**	**Press the M button to stop recording.** The recorded file is saved and then the recording standby screen is displayed.	02:52 PM Record Ready 00:00:00 I 08:30:30

Note

■ The recorded file is saved as VOICEMMDD_XXX.MP3 in the VOICE folder.
(MM : Month, DD : day, XXX : sequential number)
■ Volume can not be controlled while recording.
■ You can adjust recording quality at the SETTINGS-RECORDING-VOICE SETTING.(Refer to page 53)
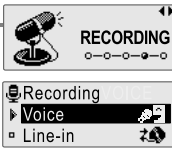
RECORDING

▌Recording from Line-In

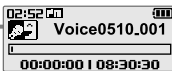| M	**1**	**Press and hold the M button to display function mode screen.** **Select the [RECORDING] by using the ⊮◄ , ►►⊩ button, then press ►/■ button.** The recording select screen is displayed.	RECORDING ○-○-○-●-○ Recording ▫ Voice ▷ Line-in
⊮◄ ►►⊩			
►/■			
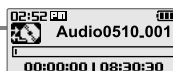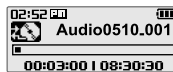
⊮◄ ►►⊩	**2**	**Select the [Line-In] by using the ⊮◄ , ►►⊩ button, then press ►/■ button.** The recording standby screen is displayed.	02:52 PM Record Ready 00:00:00 I 08:30:30
►/■			

M	**3**	**Press the M button to begin recording.** Press ►/■ button to pause the recording process. Press ►/■ button again to restart recording.	02:52 PM Audio0510_001 00:00:00 I 08:30:30 02:52 PM Audio0510_001 00:03:00 I 08:30:30
►/■			

M	**4**	**Press the M button to stop recording.** The recorded file is saved and then the recording standby screen is displayed.	02:52 PM Record Ready 00:00:00 I 08:30:30

Note

■ The recorded file is saved as AUDIOMMDD_XXX.MP3 in the RECORD folder.
(MM : Month, DD : day, XXX : sequential number)
■ Volume can not be controlled while recording.
■ You can adjust recording quality at the SETTINGS-RECORDING-LINE-IN SETTING. (Refer to page 54)

Note for recording

The recording will be stop if

- the amount of recorded data exceeds the memory capacity of the player.
- the battery is low.

To play a recorded file

▶/■	**-**	**While Recording standby mode, press ▶/■ button to play recorded file.** Previous recorded file will begin playing back.

02:55 ⏰ 🔋
📄VOICE0510_001.M

◻   00:04l04:30
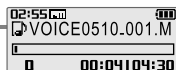
M	**1**	**Press and hold the M button to display function mode screen.**
◄◄ ►►		**Select the [BROWSER] by using the ◄◄ , ►► button, then press ▶/■ button.**
▶/■		

◀▶
MUSIC
○—●—○—○—○

◀▶
BROWSER
○—○—○—○—○

◄◄ ►►	**2**	**Select a recorded file in the [RECORD] or [VOICE] folder by using the ◄◄ , ►► , M , ▶/■ button, then press ▶/■ button.** The selected file will begin playing back.
M		
▶/■		

📁VOICE
📄VOICE0510_001.M
📄VOICE0510_002.M

02:55 ⏰ 🔋
📄VOICE0510_001.M

◻   00:04l04:30
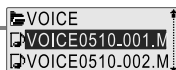
◄◄ : to move up   ►► : to move down
▶/■ : to enter the folder   M : to exit the folder
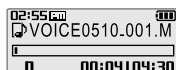
Useful features

Chapter

4

Menu configuration
● Functions are subject to change with different firmware versions.
● Users can configure their own settings.

SETTINGS

Settings
- Sound
- Display

  - ■ SRS Setting
  - ■ User EQ
  - ■ EQ Select
  - ■ Play Mode Select
  - ■ Rec. Play Mode

Settings
- Sound
- Display

  - ■ Backlight Timer
  - ■ Scroll Speed
  - ■ Tag Info.
  - ■ Language
  - ■ Name
  - ■ LCD Contrast

Settings
- Recording
- Timer

  - ■ *FM Setting
  - ■ Voice Setting
  - ■ Voice Detect
  - ■ Line-In Setting
  - ■ Line-In Volume
  - ■ Track Separation

Settings
- Recording
- Timer

  - ■ Power Off Timer
  - ■ Sleep Timer
  - ■ Date & Time
  - ■ Alarm/*FM Rec.
  - ■ Set Alarm
  - ■ *FM Rec. Reserve

Settings
- Advanced

  - ■ Resume
  - ■ System Info.
  - ■ Scan Speed
  - ■ Playback Speed
  - ■ Study Mode
  - ■ Delete File
  - ■ Load Default
  - ■ Format

* Only for models including FM Radio function

Menu operation

▌Enter Settings Menu

1 Press and hold the ᴹ button to display the Mode screen.
Press the ◄◄ , ►► button to select [SETTINGS] mode.

SETTINGS

2 Press the ►/■ button to display the Settings screen.

Settings
- Sound
- Display

Press the ◄◄ , ►► button to move the Settings menu.

Settings
- Sound
- Display

▌Enter Sub Menu

1 Press the ᴹ button to enter the sub menu screen.

Settings
- Sound
- Display

Sound
- ▷ SRS Setting
- ⊕ User EQ
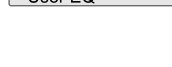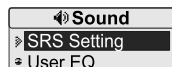
Menu operation

Set the menu functions

1 Select sub-menu using by − , + button, then press the ▶/■ button to enter sub-menu setting screen.

	Sound
⚲ SRS Setting	
▷ User EQ	

```
        +06  +03  +03  0   +03
+15dB
00dB
-15dB   50  200  1K   3K   14K
```

3 You can set, cancel or change sub menu setting by pressing the ⊪ , ⊪ , ▶/■ button .

```
        +04  +02  0   +01  +02
+15dB
00dB
-15dB   50  200  1K   3K   14K
```
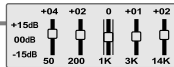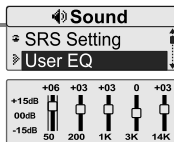
Exit sub menu

1 Press the M button to exit sub menu.

Settings
⊲ Sound
⊡ Display

Customizing the function settings (Menu)

Sound

1. SRS Setting

Sets the 3D sound effect. SRS, FOCUS, TruBass, and Boost are available.

SRS : Adjust the SRS value.
FOCUS : Adjust the sound resolution value.
TRUBASS : Adjust the TruBass value.
BOOST : Adjust the sound boost value.
    Use proper boost value depends on t he earphones or headphone characteristics.

Sound
▷ SRS Setting
⚲ User EQ

```
       SRS SETTING
⇨ SRS           ◀  05  ▶
  FOCUS            MID
  TRUBASS          05
```

```
       SRS SETTING
⇨ BOOST       ◀ 150 ▶  ▲
```
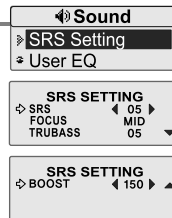
2. User EQ

You can adjust the sound to your preference.

There are 5 band frequency steps, set from <-15dB> ~ <+15dB> by 1dB increments.

Sound
⚲ SRS Setting
▷ User EQ

```
        +06  +03  +03  0   +03
+15dB
00dB
-15dB   50  200  1K   3K   14K
```
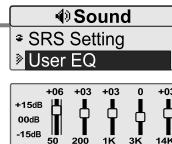
Listening to music

Sound

3. EQ Select

Select the EQ sound.

You can select one of the following EQ types:
NORMAL, CLASSIC, LIVE, POP, ROCK, JAZZ, U BASS,
METAL, DANCE, PARTY, SRS, USER EQ

Sound
EQ Select
Play Mode Select

EQ SELECT
NORMAL
CLASSIC
LIVE
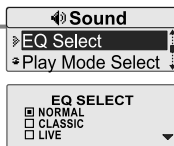
4. Play Mode Select

Select the play mode.

Sound
EQ Select
Play Mode Select
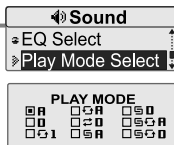
PLAY MODE

Listening to music

Sound

5. Rec. Play Mode

Select the play mode of recorded a file.

Sound
REC. Play Mode

REC. PLAY MODE
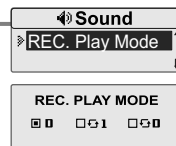
Customizing the function settings (Menu)

Display

1. Backlight

You can adjust the time that the Backlight stays on.

The Backlight can be set to:
<ALWAYS ON>, <5 SEC>, <10 SEC>, <30 SEC>,
<1 MIN>, <5 MIN> or <10 MIN>.

Display
Backlight Timer
Scroll Speed

BACK LIGHT
☐ ALWAYS ON
☐ 5 SEC ☑ 30 SEC ☐ 5 MIN
☐ 10 SEC ☐ 1 MIN ☐ 10 MIN
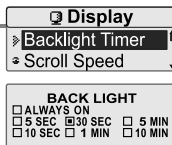
2. Scroll Speed

Select scroll type and speed of the current title playback information.

The scroll type can be set to:
<VERTICAL> or <HORIZONTAL>.
The scroll speed can be set to:
<SLOW>, <NORMAL> or <FAST>.

Display
Backlight Timer
Scroll Speed

SCROLL SPEED
◇ TYPE ◀ **VERTICAL** ▶
SPEED NORMAL
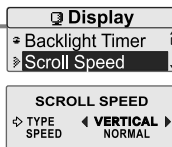
Customizing the function settings (Menu)

Display

3. Tag Info.

While playing, you can display the information of music file by using ID3 Tag.

You can set <ON> or <OFF> .
Off : Display track with file name

• File name will be displayed by default for songs with no ID3 information

Display
Tag Info.
Language

TAG INFORMATION
☑ ON   ☐ OFF

4. Language

Select the language to display the file name and ID3 tag information.

Support 40 languages.

Display
Tag Info.
Language

LANGUAGE
☐ JAPANESE
☑ KOREAN
☐ LATVIAN

Customizing the function settings (Menu)

Display

5. Name

You can input your name or custom text.

Display
Name
LCD Contrast
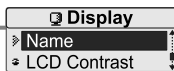
1 Select the character by using ⏮ , ⏭ button and press ▶/■ button to input the character.

NAME
My ir
◀ o p q r s t u v w x ▶
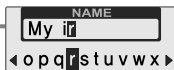
2 To move the cursor in the name window, use − , + button.

NAME
My iriv
◀ o p q r s t u v w x ▶

3 To delete the character, press and hold − button.

To scroll between English and your preferred language, press and hold + button.

NAME
My iriva
◀ U V W X Y Z a b c d ▶
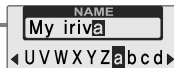
4 Press and hold M button to save and exit.

NAME
My iriver
◀ o p q r s t u v w x ▶
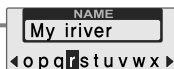
Customizing the function settings (Menu)

Display

6. LCD Contrast

Adjust the LCD screen contrast.

The LCD contrast can be adjusted from <-5> to <+5>.

Display
Name
LCD Contrast

LCD CONTRAST
0
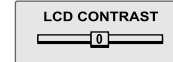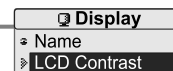
Customizing the function settings (Menu)

Recording

1. *FM Setting

<Only for models including FM Radio function>
You can set recording quality (<HIGH>, <MIDDLE> or <LOW>) when recording FM.

* Only for models including FM Radio function

> **Recording**
> » FM Setting
> ‣ Voice Setting

> **FM SETTING**
> □ HIGH
> ☑ MIDDLE
> □ LOW
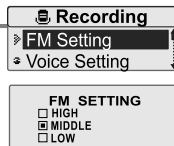
2. Voice Setting

You can set recording quality (<HIGH>, <MIDDLE> or <LOW>) when recording voice.

> **Recording**
> ‣ FM Setting
> » Voice Setting

> **VOICE SETTING**
> □ HIGH
> ☑ MIDDLE
> □ LOW

Customizing the function settings (Menu)

Recording

3. Voice Detect

The voice recording mode will automatically pause during silence. This is useful for recording over a long period of time to save memory.

LEVEL : Set the relative level of sound needed to activate the recorder. (<OFF>, <01>, <02>, <03>, <04> or <05>)
TIME(SEC) : Set the number of seconds of silence to record before pausing.(<OFF>, <01>, <02>, <03>, <05> or <10>)

> **Recording**
> » Voice Detect
> ‣ Line-In Setting

> **VOICE DETECT**
> ⇨ LEVEL   ◀ OFF ▶
> TIME (SEC)   OFF
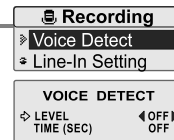
4. Line-In Setting

You can set recording quality (<HIGH>, <MIDDLE> or <LOW>) when recording from external device.

> **Recording**
> ‣ Voice Detect
> » Line-In Setting

> **LINE-IN SETTING**
> □ HIGH
> ☑ MIDDLE
> □ LOW
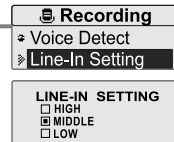
Customizing the function settings (Menu)

Recording

5. Line-In Volume

You can control volume for recording from voice.

<0> to <31> levels are available.

```
🔲 Recording
≫ Line-In Volume
≈ Track Separation

LINE-IN VOLUME
▬▬▬▬▬▬▬▬▬▬▬▬▬23🔲
```
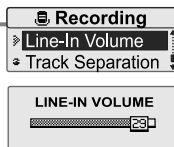
6. Track Separation

While recording from external device, you can adjust the track separation time to save each track as an individual file if there is no sound part between the tracks.

If you use the Track Separation function with connecting external devices such as CD or tape, each track will be save to an individual file.

```
🔲 Recording
≈ Line-In Volume
≫ Track Separation

TRACK SEPARATION
⇨ TIME (SEC)      ◀OFF▶
```
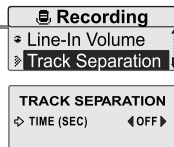
Listening to music

Timer

1. Power Off Timer

Automatically turns the power off at the stop mode.

Time range can be set from <1 MIN>, <2 MIN>, <3 MIN>, <5 MIN>, <10 MIN>, <20 MIN>, <30 MIN> or <60 MIN>.

```
⏱ Timer
≫ Power Off Timer
≈ Sleep Timer

STANDBY POWER OFF
 ▣  1    ☐  5    ☐ 30
 ☐  2    ☐ 10    ☐ 60
 ☐  3    ☐ 20    (MIN)
```
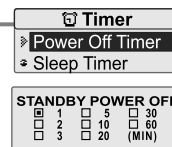
2. Sleep Timer

Automatically turns the power off after a fixed time.

Time range can be set from <OFF>, <5 MIN>, <10 MIN>, <20 MIN>, <30 MIN>, <60MIN>, <120 MIN> or <180 MIN>.
OFF : Sleep timer function does not activate.

```
⏱ Timer
≈ Power Off Timer
≫ Sleep Timer

SLEEP TIMER
 ▣ OFF   ☐ 20    ☐ 120
 ☐  5    ☐ 30    ☐ 180
 ☐ 10    ☐ 60    (MIN)
```

Customizing the function settings (Menu)

Timer

3. Date & Time

Set the current date and time.

Press the ⏮ , ⏭ button to adjust the date/time.
Press the ▶/■ button to accept the changes.

🕐 Timer
›Date & Time
»Alarm/FM Rec.

DATE & TIME
2005 / 01 / 01
12:00 AM
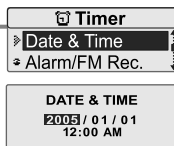
4. Alarm/*FM Rec.

OFF : The Alarm and FM Record functions are disabled and the
player will not power on at either indicated time.
ALARM : At the time indicated in the "Set Alarm" setting the player
will power on and begin music playback.
***FM RECORDING** : At the time indicated in the "FM Rec.
Reserve" setting the player will power on and begin
recording from the selected radio station.
* Only for models including FM Radio function

🕐 Timer
» Date & Time
›Alarm/FM Rec.

ALARM REC. SELECT
◉ OFF
□ ALARM
□ FM RECORDING
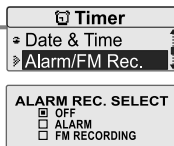
Customizing the function settings (Menu)

Timer

5. Set Alarm

Set the alarm time.

Press the ⏮ , ⏭ button to adjust the alarm settings.
Press the ▶/■ button to accept the changes.

🕐 Timer
›Set Alarm
» FM Rec. Reserve

SET ALARM
12:00 AM   DAILY
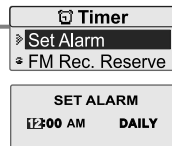
6. *FM Rec. Reserve

Set the time and station to be recorded.

* Only for models including FM Radio function

🕐 Timer
›Set Alarm
›FM Rec. Reserve

FM REC. RESERV.
12:00 AM   DAILY
87.5 MHz   120 MIN

Customizing the function settings (Menu)

Advanced

1. Resume

ON : Playback will resume from the previous location in a song when the player is stopped or powered off.
OFF : Playback begins from the first track after the player is stopped or powered off.

Advanced
Resume
System Info.

RESUME
☑ ON   ☐ OFF
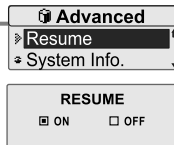
2. System Info.

You can check the firmware version information, free space memory and total number of tracks.

Advanced
Resume
System Info.

SYSTEM INFO
FIRMWARE   V 1.00
FREE SPACE   215 M
TOTAL TRACKS   0050

Customizing the function settings (Menu)

Advanced

3. Scan Speed

Adjust the speed of FF/RW(fast-forward/fast-rewind).

The Scan Speed can be set from <1X>, <2X>, <4X> or <6X>.

Advanced
Scan Speed
Playback Speed

SCAN SPEED
☑ 1 X   ☐ 4 X
☐ 2 X   ☐ 6 X
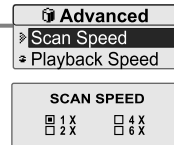
4. Playback Speed

Adjust the speed of playback.

The Playback Speed can be set from <-5 > to <+5>.

Advanced
Scan Speed
Playback Speed

PLAYBACK SPEED
0

Customizing the function settings (Menu)

Advanced

5. Study Mode

While playing, press and hold ⏮ , ⏭ button will skip the current track set time ahead.

Time range can be set from <OFF>, <3 SEC>, <10 SEC>, <20 SEC>, <30 SEC>, <60 SEC>, <120 SEC> or <180 SEC>.
OFF : Study Mode function does not activate.

Advanced
≫ Study Mode
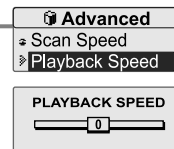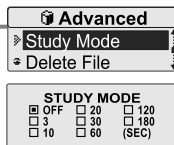☞ Delete File

STUDY MODE
☑ OFF ☐ 20 ☐ 120
☐ 3   ☐ 30 ☐ 180
☐ 10   ☐ 60 (SEC)

6. Delete File

While playback is stopped, you can delete a file on the player. (Refer to page 30)

When in Delete file screen, press the ▶/■ button after selecting a file to delete it.
YES : Delete selected a file.
NO : Cancel the delete function.

Advanced
☞ Study Mode
≫ Delete File

DELETE
🎵 My Music
iriver logosong.
Entertainment.

DELETE FILE
ARE YOU SURE ?
☐ YES   ☑ NO

Customizing the function settings (Menu)

Advanced

7. Load Default

Reset menus to the original factory settings.

■ When the Load Default is done, the player will be rebooted automatically.

Advanced
▷ Load Default
☞ Format

LOAD DEFAULT
ARE YOU SURE?
☐ YES   ☑ NO
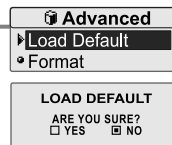
8. Format

Memory is formatted and all saved files are deleted.

Before formatting can begin, you must backup all data stored on the player.
Care must be taken as formatted files can not be recovered.

■ When the Format is done, the player will be rebooted automatically.

Advanced
☞ Load Default
▷ Format

FORMAT
ARE YOU SURE?
☐ YES   ☑ NO

Chapter

5

iriver **www.iriver.com**

Firmware Upgrade

Firmware Upgrade for T20 in iriver plus 2

What is firmware ?
It is the operating system that works in the T20. iriver provides you with the latest and best features through Firmware upgrade. You can choose manual or automatic upgrade function. For information on automatic upgrade,refer to the iriver plus 2 instruction manual.

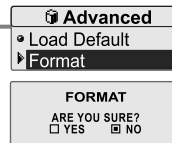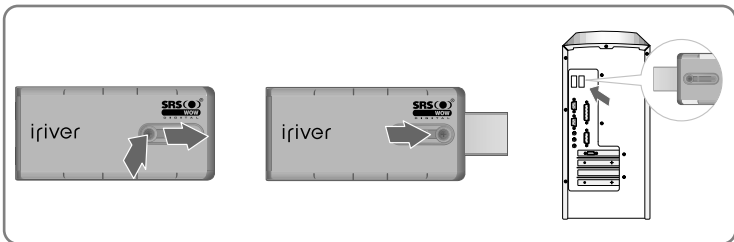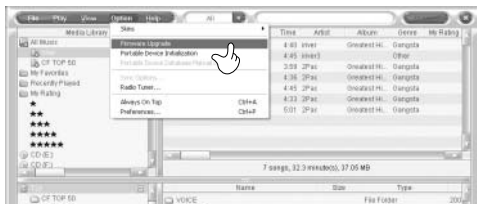**1. Push the USB lever and pull out the USB connection port as below picture and connect the player to the PC.**

2. Open iriver plus 2.
   Select [Option-Firmware Upgrade] from the menu.

   When the download is completed, disconnect USB cable to start upgrading firmware automatically.

Note

- Before upgrading the firmware, check the condition of the battery. The firmware upgrade may fail due to low battery.
- Your computer must be connected to the internet for the "Firmware Update" function.
- Do not turn the player off until the upgrade is completed.

Format

Initializing T20

Please initialize T20 player in the following cases.
All music,pictures,text,and data will be erased from the player during this initialization.
-if there appears to be corruption on the internal hard drive.
-if an error message displays and the player doesn't boot properly.

1. Push the USB lever and pull out the USB connection port as below picture and connect the player to the PC.
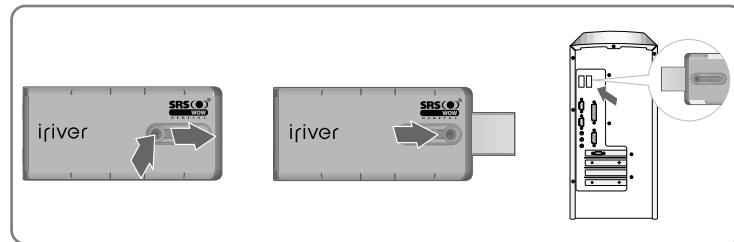
2. Open iriver plus 2.
   Select [Option-Portable Device Initialization].
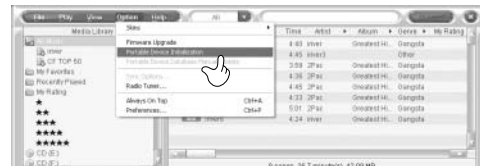
3. To initialize the product, click [YES].

Troubleshooting
Should any problem persist after you have checked these symptoms, consult your iriver dealer or contact support at www.iriver.com.

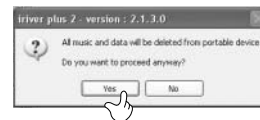| Trouble	Solution
No Power.	■ Check whether the HOLD switch on the player is ON (Switch to OFF position) ■ Check the condition of the battery. Insert a fresh battery.
No sound or distortion during playback.	■ Check whether VOLUME is set to "0". ■ Firmly connect the earphones. ■ Check whether the plug is dirty. Clean the plug with a dry and soft cloth. ■ Corrupted MP3 or WMA files may make a static noise and the sound may cut off. Listen to your files on the PC to see if they are corrupted.
Characters in LCD are corrupted.	■ Check out SETTINGS→Display→Language and confirm whether the right language has been selected.(Refer to page 50)
Poor *FM Reception.	■ Adjust the position of the player and earphones. ■ Turn off the power of other electric devices near the player. ■ The Earphone cord functions as the antenna, they must be plugged in for best reception.
Failed download of MP3 file	■ Check the condition of the battery. ■ Check the connection between your computer and the player to ensure that the cable is secure. ■ Check the Manager program to make sure it is operating. ■ Check whether the player's memory is full.
The title saved in T20 are not played.	■ T20 supports up to 1000 music files and 500 folders.

* Only for models including FM Radio function

Specifications

Memory Capacity	256 MB*	512 MB*	1 GB*
Model No.	T20 256MB	T20 512MB	T20 1GB

Category	Item	Specifications		
Audio	Frequency range	20 Hz ~ 20 KHz		
	Headphone Output	(L)15 mW + (R)15 mW (16 Ohm) max. Volume		
	S/N ratio	90 dB(MP3)		
	Number of Channel	Stereo (Left/Right)		
**FM Tuner	FM Frequency range	87.5 MHz ~ 108 MHz		
	S/N ratio	60 dB		
	Antenna	Headphone/Earphone-Cord Antenna		
File Playback	File Type	MPEG 1/2/2.5 Layer 3, WMA, OGG, ASF		
	Bit Rate	MP3/WMA : 8Kbps~320Kbps, OGG : Q1~Q10		
	Tag Info	ID3 VI, ID3 V2.2.0, ID3 V2.3.0, ID 3 V2.4.0		
Recording	Max. Recording time	256 MB	512 MB	1 GB
	(@32kbps)	Approx. 18 hours	Approx. 36 hours	Approx. 72 hours
General	Dimension	58 (W) x 27 (D) x 14.3 (H) mm		
	Weight	29.8 g (Rechargeable Battery included)		
	LCD	Full Graphic 3 Line with Backlight		
	Language	40 languages		
	Battery	Lithium Polymer Rechargeable Battery included		
	Operational Temperature	-5 ℃~ 40 ℃		
	Max. Playtime	Approx. 15 hours (128 kbps, MP3, Vol 20, Backlight off, EQ Normal, Battery is fully charged)		

* 1 MB = 1,000,000 Bytes / 1 GB = 1,000 MB = 1,000,000,000 Bytes
  Not all memory available for storage. Memory is not expandable.

** Only for models including FM Radio function

Safety Information

For Safety

- Avoid dropping or impacting the player.
  The player is designed to operate while walking or running, but dropping or excessively impacting the player may be cause damage.
- Avoid contacting the player with water.
  Damage to the internal parts of the player may occur if the player comes into contact with water. If your player gets wet, dry the outside with a soft cloth as soon as possible.
- Do not leave the player in a location near heat sources, or in a place subject to direct sunlight, excessive dust or sand, moisture, rain, mechanical shock, unleveled surface, or in a car with its windows closed.
- Remove the battery if player is unused for long periods of time.
  Battery left in the player for a long time can corrode and damage the device.
- All data stored on this device may be erased by a excessive impact, a thunder or an electricity failure, etc. on the device.
  The manufacturer does not warrant and will not be held responsible in any way for damages or loss of data, including loss of data stored on this device, resulting from a excessive impact, a thunder or an electricity failure, You will be responsible for safe-guarding all data stored on this device.

On headphones and earphones

- Road Safety
  Do not use headphones/earphones while driving, cycling, or operating any motorized vehicle. It may create a traffic hazard and is illegal in some areas. It can also be potentially dangerous to play your headset at high volume while walking, especially at pedestrian crossings. You should exercise extreme caution or discontinue use in potentially hazardous situations.
- Preventing hearing damage
  Avoid using headphones/earphones at high volume. Hearing experts advise against continuously loud and extended play. If you experience a ringing in your ears, reduce volume or discontinue use.
- Consideration for others
  Keep the volume at a moderate level. This will allow you to hear outside sound and to be considerate of the people around you.

FCC Certification

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS:
(1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND
(2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE, RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRED OPERATION.

Note : This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures :
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

Memo

Memo