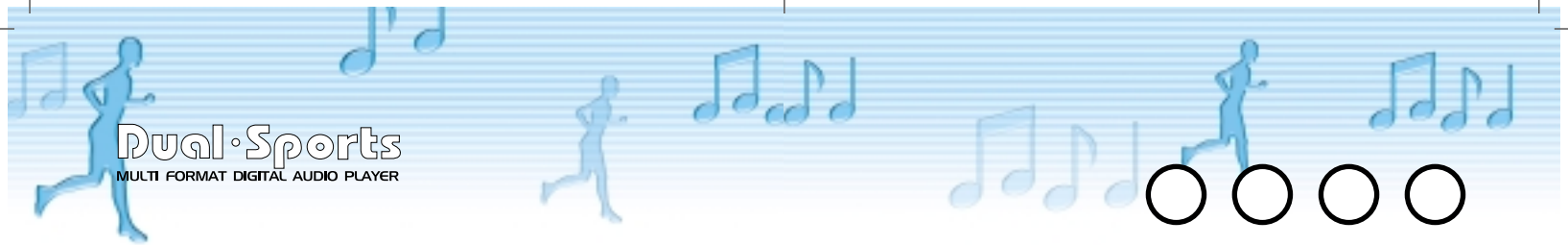
APPENDIX H

: USER'S MANUAL

듀얼승인용 2003.3.14 2:52 PM 페이지1000



WELCOME to the world of Duel Sports!

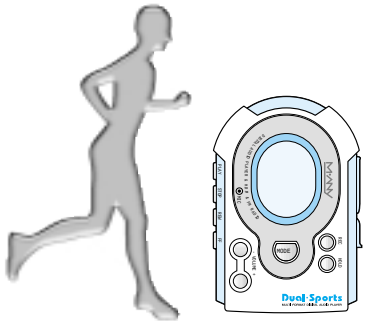
Thank you for using our advanced portable digital audio player DUAL SPORTS.
This small player with simple design supports multi languages.

DUAL SPORTS is capable of supporting fresh memory from 16 to 256Mbite.

DUAL SPORTS enables to upgrade for newer audio format using DSP (Digital Signal Processor), and also it is designed to be free from the responsibility against any right of intellectual property.

The “Network OS Update” menu in “Manager” allows you to upgrade for the latest version of OS without extra efforts.

HRM function enables you to simple check your current heart rate, target heart rate, consumed calories and bio-rhythm on the basis of the exercise data.



List

Before using this

CAUTION ···· 2
Fittings & Accessories ··· 4
What is MP3 or WMA? ··· 5
PC System Requirement ··· 6
Electrical Power ···· 7
Battery Replacement ··· 8
Installation for Memory Expansion Card ·· 9
Terms of Parts ···· 10
Description of LCD Windows ··· 14
To Have Power On/OFF ··· 15

Enjoy the simple

Listening to Music ···· 16
Searching and Selecting Songs ·· 17
Selection for Voice Record or MP3 ·· 18
Equalizer Selections ··· 19
Repeat ···· 20
Voice Recording ···· 22
To record the music ··· 23
Radio Source Recording ··· 25
How to set for Continuous Play? ·· 26

Use MODE button

Audio
Selection for Folder & Song ··· 27
File Deleting ···· 28
PLAY Area ···· 29
Radio
Listening to FM Radio ··· 30
Saving FM Channel ··· 31
Deleting FM Channel ··· 32
Starting H.R.M ···· 33
H.R.M
How to set Time Gap? ··· 34
Goal Point ···· 35
User Information ···· 36
DB Analysis ···· 37
Watch
Setting for Clock and Date ··· 38
Set up
Setting for Languages ··· 39
Setting for LCD Contrast ··· 40
Setting for Power-off Time ··· 41
Setting for Back Light ··· 42
Setting for Equalizer (User Mode) ·· 43
Setting for Search Speed ··· 44

Software installation & How to Use It

Installing Software ···· 46
Connecting to PC ···· 48
Use of M-ANY DUAL SPORTS MANAGER · 49
File Download ···· 52
File Upload ···· 55
Memory Format ···· 57
OS Update ···· 58
Menu Download ····

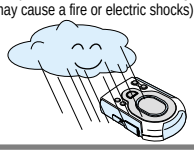
Make yourself

듀얼승인용 2003.3.14 2:52 PM 페이지2

CAUTION

The followings are to avoid any unexpected hazard or physical loss by using the product correctly, please be well aware of them.

Do not expose the product to any humidity environment such as raining. (It may cause a fire or electric shocks)

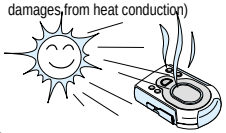


Do not leave the battery in a pocket with any metallic substance such as coins or keys.
(It may cause a fire from the contacts)

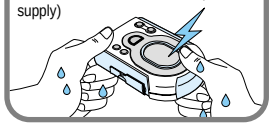
Keep the player free from any shock which may caused by throwing or dropping of the product.

The software contained in installing CD-ROM can be used for personal purposes only.

Keep the product away from any direct ray with best cares. (It may have damages from heat conduction)



Do not touch or connect the product with wet hands. (There may be electric shocks if it is connected to the power supply)



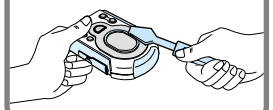
The data loss from carelessness use is free from our responsibilities. (Any of valuable data should be stored to your PC)

Please do not release or distribute the music files formatted in WMA or MP3 from the product to the public.
(Against the law for Copyright)

Caution

The HRM function of this product may not be used for diagnosis, treatment and improvement of rehabilitating patient as it is not medical instrument.

Do not ever disassemble to repair or rebuild the product as it may cause breakdowns.



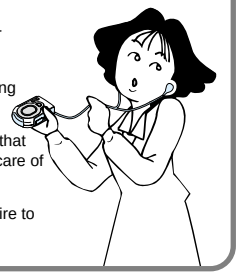
Keep the product away from dusts and humidity to prevent defects.

Input your gender, age, height and weight from HRM menu.

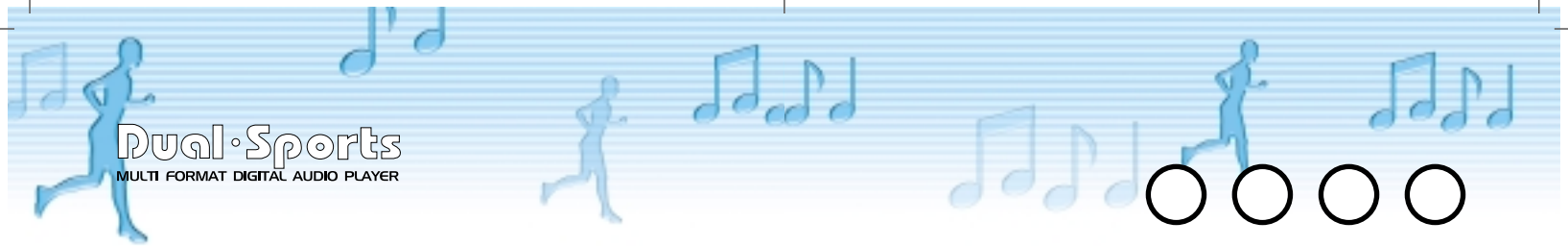
Set current time from RTC menu.

Cautions when using a headset

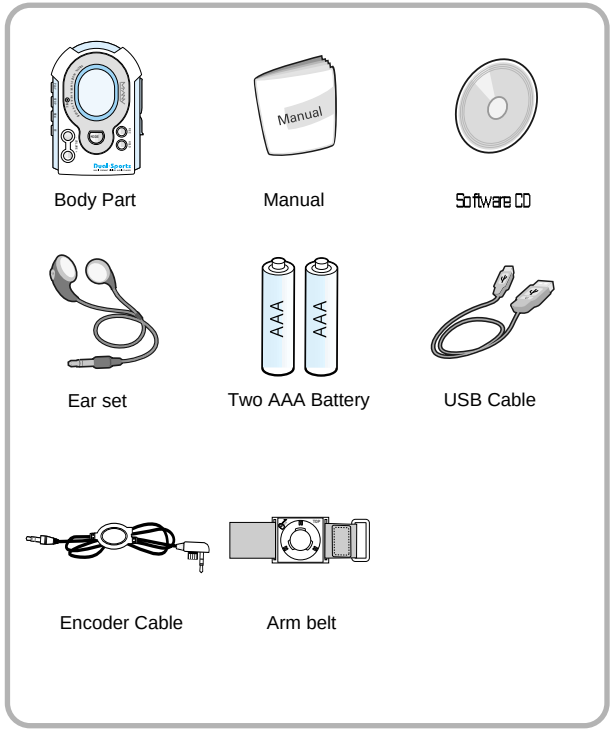
- Auditory sense may be damaged when listening to the music with high volume for many hours.
- Using a headset while driving a car or riding bicycle/motorcycle is not recommended.
- Using a headset while walking or jogging that may have potential hazard requires best care of you or temporary stoppage.
- Ear-in type headset should have a long wire to be located on the back of the neck.



듀얼승인용 2003.3.14 2:53 PM 페이지4



Fittings & Accessories



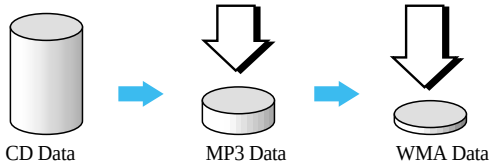
What is MP3 or WMA?

MP3?

MP3 is a compressed data format from CD music using MPEG1-layer 3 and provides comparable sound quality from PC as CD.

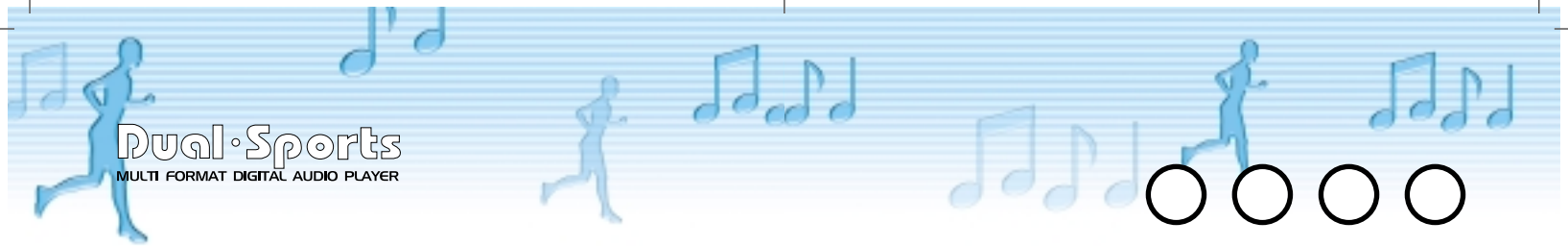
WMA?

WMA is also a compressed data format developed by Microsoft 'Window Media Technologies' to only compress music data providing comparable sound quality as 1285Kbps MP3 format with use of low 64Kbps format.
Accordingly, it enables to provide the same sound quality using only half memories of MP3's.



※WMA files can be only playable with the bit rate of 32Kbps or more.

듀얼승인용 2003.3.14 2:53 PM 페이지6

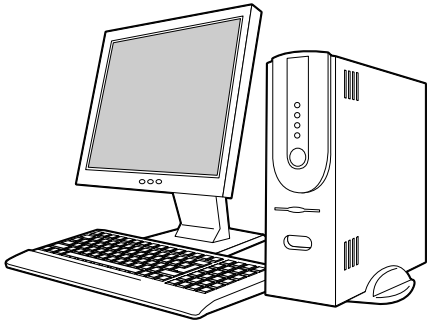


PC System Requirement

PC System Specification

PC system requirements for the use of DUAL SPORTS are as follows;

Microsoft (Windows 98, ME, 2000, XP)
CD-ROM Drive
Pentium 200MHz or more
RAM 32MB (64MB for Windows ME, 2000) or more
More than 128MB free space for Hard Disk (Further space is required to save the music files)
USB Port Available



Electrical Power

Battery Capability

Type	MP3 Running Time
Alkaline Battery	15 Hours

- Output: 7mW(L) + 7mW(R)
- The battery capability may vary in accordance to types, manufactures or using conditions of the batteries. Above result was derived from the test conducted with conventional alkaline battery.

Battery Remainder Display

- The remainder display may vary for the first few second when power on. It will show actual indication after 5 ~ 6 seconds.

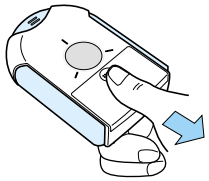
When using general manganese batteries, the display may show higher indication than it really remains due to the battery's property.
Please replace the battery for the new in above case.
※ Alkaline battery lasts longer than manganese battery.

Battery should be replaced in case of following;

- When blinks from the Battery Remainder Display.
- When it does not operate or stops right after the buttoning.
- When LCD page does not appear by buttoning from the product body.

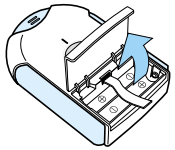
듀얼승인용 2003.3.14 2:53 PM 페이지8

Battery Replacement



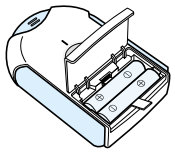
Pull down the batter cover from the back of the product as shown on the figure.

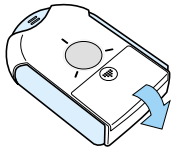
- Lift the cover up after pulling it down while pushing it lightly with the thumb.



Insert AAA type battery correctly to the cage with assurance of both poles.

- The ribbon should be laid under the battery to facilitate the battery to be removed easily.
- Assure if both poles of the battery are directed correctly as the products may breakdown if they are reversed.
- Using different type of battery may cause product breakdown.

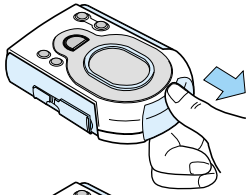




Place the cover to the position and push it up to close.

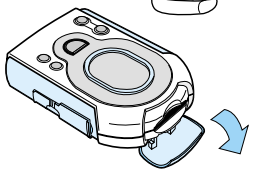
- Push down the cover and move it upward until it sounds “Click”.

Installation for Memory Expansion Card



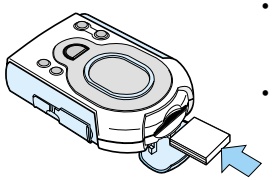
Pull down the cover from upper surface of the main body as shown on the figure.

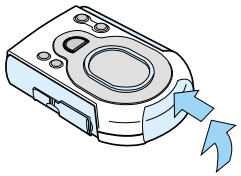
- Move down the cover after pulling it forward gripping lightly with the thumb.



Insert the memory expansion card when the cover opens.

- Insert the card until it reaches to the end.
- Assure front/back surface if it is correctly directed to avoid breakage of the pins inside of the product.
- Use the memory card with only standardized dimensions.





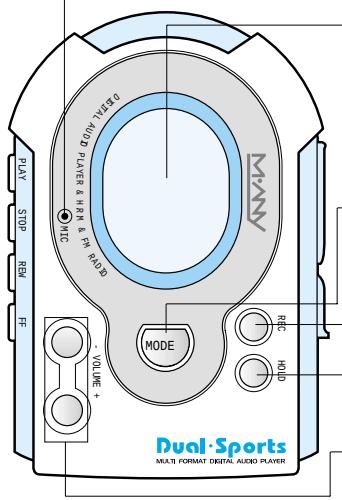
Place the cover and push/move it up to close

- Push down the cover and move it upward until it sounds “Click”.

듀얼승인용 2003.3.14 2:54 PM 페이지10

Terms of Parts

Front



MIC
Receives voice to record

LCD
Displays indications and operating states

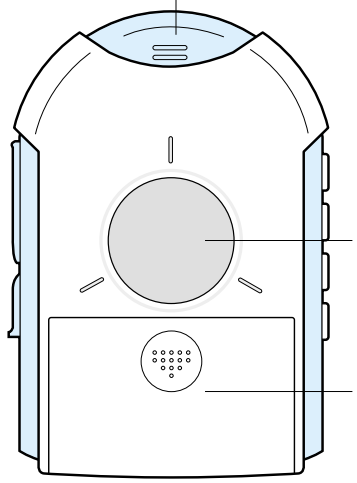
MODE Button
Menu & Mode Selection buttons

REC Button
Records and sets functions

HOLD Button
Locks the current state of operation

VOLUME
Controls volume and moves for Menu button

Back



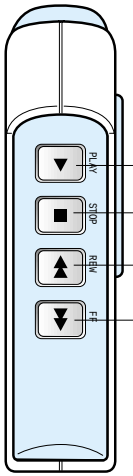
Memory expansion cover
To be used when replacing or adding memories

The arm belt is connected from here with rubber cover opened.

Battery Cover
Open this cover to replace the battery

듀얼승인용 2003.3.14 2:54 PM 페이지12

Side View 1



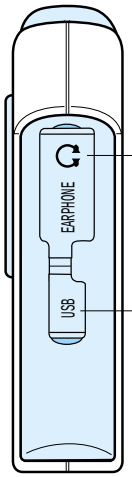
PLAY/ Power-On Button
Play & Pause
Power-on & Equalizer set

STOP/Power-Off Button
To be used for play-stop and power-off

REW Button
To be used for replay and fast rewind

FF Button
To be used for skip-play and fast forward

Side View 2



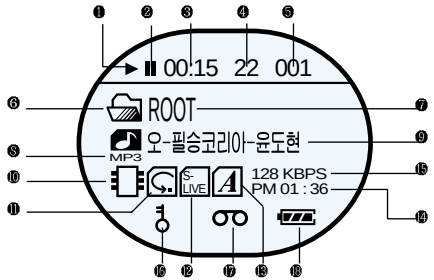
Earphone Jack
To be used when listening to the music with a earphone

USB Port
To be used when downloading music from the PC

듀얼승인용 2003.3.14 2:54 PM 페이지14

Description of LCD Windows

LCD



1. Play Icon (Appears in Play)
2. Pause Icon (Appears in Pause)
3. Play Time appears here
4. Volume
5. No. of Track
6. Folder Icon
7. Name of Current Folder
8. File Format (MP3, WMA, ADP)
9. File Title appears here
10. Memory Icon (MMC icon opens with MMC inserted)
11. Play mode ICON (Nomal, Repeat, Repear all, Random, Random all)
12. User Set EQ Icons (S_Live, Rock, Jazz, Flat, User1, User2)
13. Play area Icon (Shows where the current song is located)
14. Clock
    1) In Stop

    2) In Play

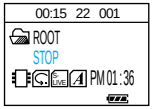
15. Shows Bit Rate of the Song
16. Hold Icon
17. Recording Icon
18. Battery

To Have Power On/OFF

1 To have power on

- Push PLAY button for longer than 2 seconds.
- Release the button with the LCD brightened.
- The main page appears.

- Once it is ready for PLAY the mode turns to STOP mode.



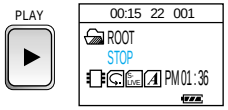
2 To have power off

- Push STOP button for longer than 2 seconds.
- Then the power gets off with the screen faded out.

듀얼승인용 2003.3.14 2:54 PM 페이지16

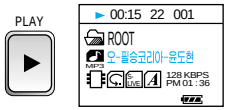
Listening to Music

1 Push PLAY to make the power



- The condition turns to STOP mode.

2 Push PLAY once again for a



- Then it starts playing the music.
- The current title appears on the LCD.

3 Pause

- Push PLAY for a second to pause the current song. By pushing PLAY once again it starts again from the paused moment.

4 Stop

- Push STOP to stop the current song.

Searching and Selecting Songs

1 FF Button

- Push FF to skip to the next song while it plays.
- In STOP mode, FF enables to select the next song.

2 Searching with FF Button

- It searches songs forward at preset speed when pushing FF for longer than 2 seconds in PLAY mode.

3 REW Button

- When pushing REW within 5 seconds after a song begins, it plays the previous song. And it replays from the initial part of the song when pushing REW 5 seconds after the song begins.
- In STOP mode, REW enables to select the previous song.

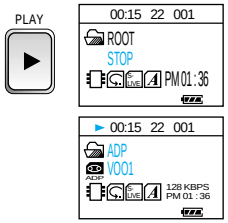
4 Searching with REW Button

- It searches songs backward when pushing REW for longer than 2 seconds in PLAY mode.
- When releasing REW while searching songs backward having REW being pushed, it plays from the released moment. It replays previous song only even if pushing REW continuously.
- It searches at preset speed.

듀얼승인용 2003.3.14 2:54 PM 페이지18

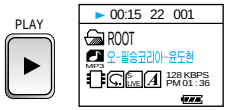
Selection for Voice Record or MP3

1 To listen to Voice Records



- It is only available in STOP mode.
- Push PLAY for longer than 2 seconds.
- Then recorded voice plays.

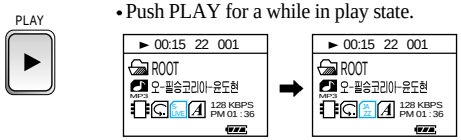
2 To listen to MP3 while listening to



- Push PLAY for longer than 2 seconds to listen to MP3 while listening to recorded voice in STOP mode.

Equalizer Selections

1 Push PLAY for a while



- Push PLAY for a while in play state.

2 Set the mode

- The mode changes as; S-Live ➞Jazz ➞Rock ➞ Flat ➞User1 ➞User2 when pushing PLAY for a while in play state.

※ Sound quality may drop according to the song. The equalizer can be used in the case to optimize the song quality.

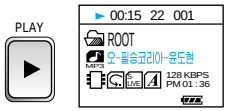
- S-LIVE: S-Live: For Heavy sound with a live feeling
- JA ZZ: Jazz: For Sweet and Delicate feeling
- RO CK: Rock: For Powerful and Massive feeling
- FL AT: Flat: For standard and natural feeling
- US ER 1: User1: User Set
- US ER 2: User2: User Set

What's Equalizer? Advanced way of compass adjustment used for audio product.

듀얼승인용 2003.3.14 2:55 PM 페이지20

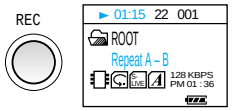
Repeat

1 Push PLAY button.



- It only works in play mode.

2 Push REC for a second.



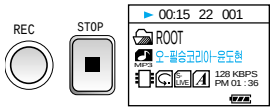
- Push REC button for a second at desired moment while playing a song.
- The message “Repeat A-” appears on the screen.
- Push REC once again to show “Repeat A-B” on the LCD.

3 It repeats the song in the range between

- It repeats the song in the range between A and B.
- If the position B is not specified, the end of the song will be specified as B point automatically.

※ The “Repeat” is not available when setting B whine 2 seconds after setting A or when A is set only within 3 seconds ahead from the end of the song.

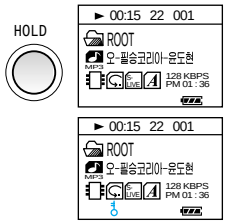
4 To revoke the Repeat



- Push REC or STOP for a second to revoke the repeat.
- The mode returns to PLAY.

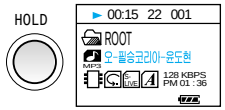
HOLD

1 Push HOLD for longer than 2



- Push HOLD button for longer than 2 seconds. Then a Key icon appears on the LCD.
- Lock all the buttons as in function to prevent malfunctions from unexpected buttoning while the player stays in a pocket or bag. .

2 To revoke the HOLD

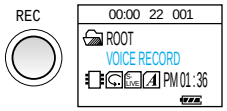


- Push HOLD once again for longer than 2 seconds to make all the buttons to work and the Key icon disappears.

듀얼승인용 2003.3.14 2:55 PM 페이지22

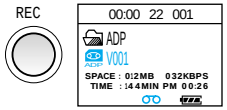
Voice Recording

1 Push REC button for longer than 2



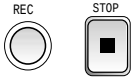
- It is only available in STOP mode.
- Push REC button once for longer than 2 seconds to show “VOICE RECORD” on the LCD.
- To cancel the recording, press STOP.

2 Push REC button once again for a



- Recording begins when pushing REC button once again for a second.
- Then the file name of being recorded appears on the LCD while it records.
- The LCD shows below icons.

3 Push STOP to halt the recording.

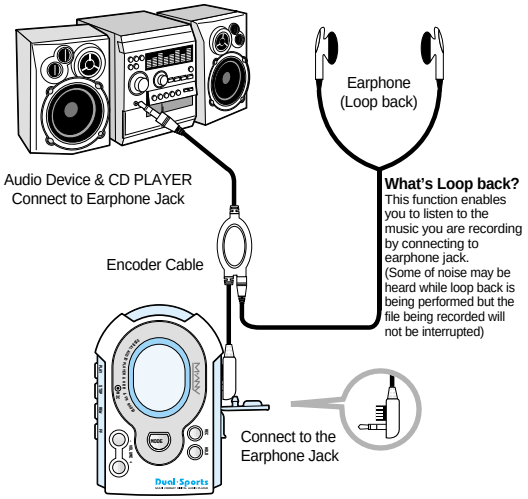


- Push STOP button to halt the recording while it is recording.
- Recorded files are saved in “ADP” folder with the names of V001, V002, V003 etc. in sequences.
- Play the recorded file to check if it is properly recorded.

To record the music

1 Audio Connection

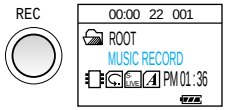
- Insert one end of the MP3 encoder cable to the earphone terminal of normal audio device or portable cassette and connect the other end of the cable into the earphone terminal of the player.
- The music from cassette tape or CD can be directly saved in MPE format.



Property of the MPE format: It has limited PLAY performance.
PLAY in the PC: Playable in PC using window media
PLAY in the Player: It is only playable when the MPE file is downloaded to the player where it was made from.

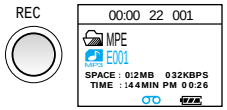
듀얼승인용 2003.3.14 2:55 PM 페이지24

2 Push REC button for longer than 2



- Only available in STOP mode.
- It appears “MUSIC RECORD” on the LCD when pushing REC button twice for longer than 2 seconds each.
- To cancel the record, push STOP button.

3 Push REC once again for a



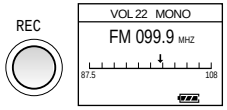
- Push REC button once again for a second to start recording.
- Then the file name appears on the LCD while it records.
- The LCD shows below icons.

4 Push STOP to halt the recording.

- Push STOP button to halt the recording while it is recorded.
- Recorded files are saved in “MPE” folder with the names of E001, E002, E003 etc. in sequences.
- Play the recorded file to check if it is properly recorded.

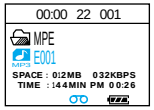
Radio Source Recording

1 Push REC for a second



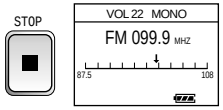
- Push REC for a second when you want to record a certain source from radio.

2 It starts recording.



- The LCD shows an icon which indicates the recording with the name of being recorded.

3 Push STOP button



- Push STOP button to halt the recording.

4 Listen to recorded file.

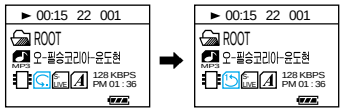
- It appears “MUSIC RECORD” on the LCD when pushing REC button twice for longer than 2 seconds each.
- To cancel the record, push STOP button.

듀얼승인용 2003.3.14 2:55 PM 페이지26

How to set for Continuous Play?

1 Set from the PLAY mode.

• Set the mode while the player is playing.



2 Push MODE button for a second.

• Push MODE button while the player is in play.
• It changes as; Normal ➡Repeat 1 ➡Repeat 2 ➡ Random 1 ➡Random 2, in sequences.

Normal: For playing entire songs in selected folder

Repeat 1: For playing one selected song continuously

Repeat 2: For playing entire songs in selected folder continuously

Random 1: For playing shuffled songs in selected folder once

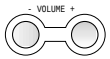
Random 2: For playing shuffled songs in selected folder continuously

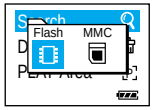
Selection for Folder & Song

1 Push MODE button.

• Push MODE button for longer than 2 seconds.
• Push MODE button after selecting "Audio" to choose "Search" and again push MODE button after selecting "Search".

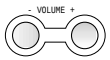
2 Select the memory using VOLUME +/-

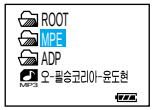




• Select Flash (inner memory) or MMC (outer memory) with VOLUME+/- buttons and push MODE button subsequently.

3 Select folders with VOLUME+/-





• Select a folder or a song you want to listen to with VOLUME +/- buttons and push MODE button subsequently.

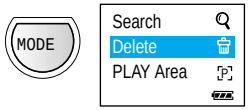
4 To move to higher-level folder

• Press REC button.

듀얼승인용 2003.3.14 2:56 PM 페이지28

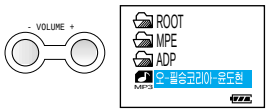
File Deleting

1 Push MODE button



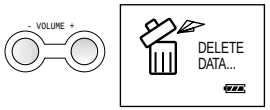
- Push MODE button for longer than 2 seconds.
- Push VOLUME+/- button to select Audio and push MODE button subsequently.
- Push VOLUME+/- button to select Delete and push MODE button subsequently.

2 Push VOLUME+/- buttons



- Select the file to be deleted with VOLUME+/- button.

3 Push MODE button for longer than 2



- The file will be deleted when push MODE button for longer than 2 seconds.
- Repeat above procedures to delete number of files.

4 Push REC button to move out from

- By pushing REC button once, you can move to the next upper level of the folders.
- Push REC button over and over to move out from the menus.

PLAY Area

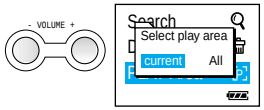
1 Push MODE button.

- Push MODE button for longer than 2 seconds.

2 Push VOLUME+/- buttons.

- Push VOLUME+/- buttons to select “Audio” and push MODE button subsequently.
- Push VOLUME+/- buttons to select “PLAY Area” and push MODE button subsequently.

3 Push VOLUME+/- buttons.



- Push VOLUME+/- buttons to select “current“ or “All” and push MODE button subsequently.

4 Push REC button to move out from

- By pushing REC button each time, you can move to the next upper level of the folders.
- Push REC button over and over to move out from the menus.

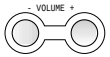
듀얼승인용 2003.3.14 2:56 PM 페이지30

Listening to FM Radio

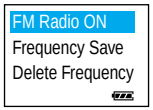
1 Push MODE button.

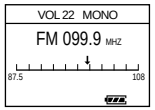
- Push MODE button for longer than 2 seconds.
- Push VOLUME+/- buttons to select “Radio” and push MODE button subsequently.

2 Select Radio menu.



- Push VOLUME+/- buttons to select “FM Radio ON” and push MODE button subsequently.





3 Set the frequency you want.

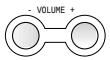
- Push FF/REW buttons to select desired frequency.
- FF: Enables to move forward by pushing FF for a second. When pushing the button for longer than 2 seconds, it automatically searches the channels.
- REW: Enables to move backward by pushing REW for a second. When pushing the button for longer than 2 seconds, it automatically searches the channels.
- When no channel is stored, it move by 0.1Mhz by buttoning FF/REW per time.

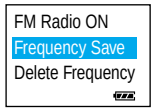
4 To turn the Radio off

- Push STOP button to turn the radio off.

Saving FM Channel

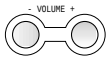
1 Select the menu “Radio”





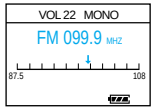
- Push MODE button for longer than 2 seconds.
- Push VOLUME+/- buttons to select “Radio” and push MODE button subsequently.
- Push VOLUME+/- buttons to select “Frequency Save” and push MODE button subsequently.

2 Search the channel.



- Search the channel with VOLUME+/- button.
- VOL +: Enables to move forward by one scale by one time pushing the button for a second. When pushing the button for longer than 2 seconds, it automatically searches the channels.
- VOL -: Enables to move Backward by one scale by one time pushing the button for a second. When pushing the button for longer than 2 seconds, it automatically searches the channels.

3 Push MODE button.



- It automatically stops when a channel is detected.
- To save the channel, push MODE button.
- Then it is saved with a message saying “Frequency Saving”.

4 Check the channel

- Assure if the channel has correct frequency from FM Radio ON menu selected by pushing REC Button.
- Push STOP button to leave from the menu.

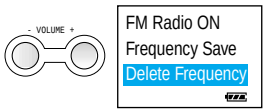
듀얼승인용 2003.3.14 2:56 PM 페이지32

Deleting FM Channel

1 Push MODE button.

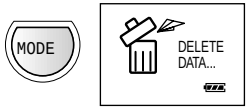
- Push MODE button for longer than 2 seconds.
- Push VOLUME+/- button to select "Radio" and push MODE button subsequently.

2 Push VOLUME+/- button.



- Push VOLUME+/- button to select "Delete Frequency" and push MODE button subsequently.

3 Push MODE button.



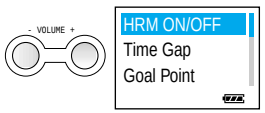
- All stored Channel (Frequency) is deleted.

Starting H.R.M

1 Push MODE button.

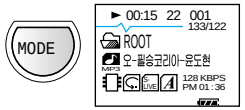
- Push MODE button for longer than 2 seconds.
- Push VOLUME+/- button to select "H.R.M" and push MODE button subsequently.

2 Push VOLUME+/- button.



- Push VOLUME+/- button to select "HRM ON/OFF" and push MODE button subsequently.

3 Push MODE button.



- A message saying "Do you start HRM?" appears on the LCD and HRM starts by pushing the MODE button.
- A graph of heart rate appears and moves on upper side of the LCD.

4 To finish HRM

- A message saying "Do you finish HRM?" appears on the screen when above procedures are redone and HRM is finished by pushing the MODE button.

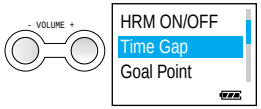
듀얼승인용 2003.3.14 2:57 PM 페이지34

How to set Time Gap?

1 Push MODE button.

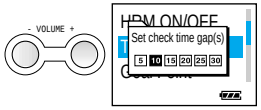
- Push MODE button for longer than 2 seconds.
- Push VOLUME+/- button to select "H.R.M" and push MODE button subsequently.

2 Push VOLUME+/- button.



- Push VOLUME+/- button to select "Time Gap" and push MODE button subsequently.

3 Push VOLUME+/- button.



- Push VOLUME+/- button to select desired time gap and push MODE button subsequently.

4 Push REC button to move out from the

- By pushing REC button each time, you can move to the next upper level of the folders.
- Push REC button over and over to move out from the menus.

Goal Point

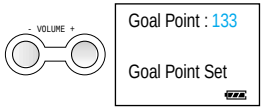
1 Push MODE button.

- Push MODE button for longer than 2 seconds.
- Push VOLUME+/- button to select "H.R.M" and push MODE button subsequently.

2 Push VOLUME+/- button.

- Push VOLUME+/- button to select "Goal Point" and push MODE button subsequently.

3 Push VOLUME+/- button.



- Push VOLUME+/- button to select desired target rate and push MODE button subsequently.

4 Push REC button to move out from the

- By pushing REC button each time, you can move to the next upper level of the folders.
- Push REC button over and over to move out from the menus.

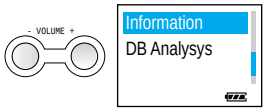
듀얼승인용 2003.3.14 2:57 PM 페이지36

User Information

1 Push MODE button.

- Push MODE button for longer than 2 seconds.
- Push VOLUME+/- button to select "H.R.M" and push MODE button subsequently.

2 Push VOLUME+/- button.



- Push VOLUME+/- button to select "Information" and push MODE button subsequently.

3 Push VOLUME+/- button.

- Push VOLUME+/- button to set your information and push MODE button subsequently.

4 Push REC button to move out from the

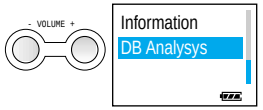
- By pushing REC button each time, you can move to the next upper level of the folders.
- Push REC button over and over to move out from the menus.

DB Analysis

1 Push MODE button.

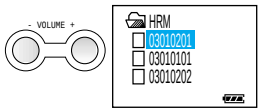
- Push MODE button for longer than 2 seconds.
- Push VOLUME+/- button to select "H.R.M" and push MODE button subsequently.

2 Push VOLUME+/- button.



- Push VOLUME+/- button to select "Analysis" and push MODE button subsequently.

3 Push VOLUME+/- button.



- Push VOLUME+/- button to select desired file.
- The values for maximum, minimum and average rate appear on the LCD by pushing MODE button.
- Push VOLUME+/- button to select other previous files.

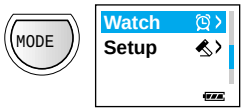
4 Push REC button to move out from the

- By pushing REC button each time, you can move to the next upper level of the folders.
- Push REC button over and over to move out from the menus.

듀얼승인용 2003.3.14 2:57 PM 페이지38

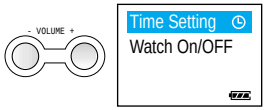
Setting for Clock and Date

1 Push MODE button.



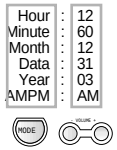
- Push MODE button for longer than 2 seconds.
- Push VOLUME+/- button to select "Watch" and push MODE button subsequently.

2 Push VOLUME+/- button.



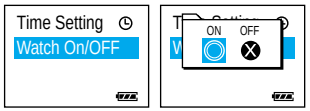
- Push VOLUME+/- button to select "Time Setting" and push MODE button subsequently.

3 To turn ON/OFF the clock



- Select "Watch ON/OFF" mode with VOLUME+/- button and push MODE button subsequently.
- Push VOLUME+/- button to select ON or OFF and push MODE button subsequently.

4 Push REC button to move out from the



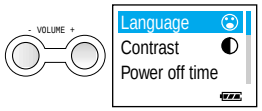
- By pushing REC button each time, you can move to the next upper level of the folders.
- Push REC button over and over to move out from the menus.

Setting for Languages

1 Push MODE button.

- Push MODE button for longer than 2 seconds.
- Push MODE button after selecting "Setup" with VOLUME+/- buttons

2 Push VOLUME+ button.



- Push MODE button after selecting "Language" with VOLUME+/- buttons

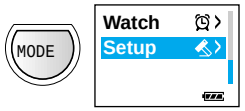
2 You may choose your language.

- There are four languages available; KOREAN, ENGLISH, CHINESE and JAPANESE.
- Push MODE button after selecting "Language" with VOLUME+/- buttons

듀얼승인용 2003.3.14 2:58 PM 페이지40

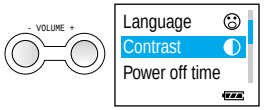
Setting for LCD Contrast

1 Push MODE button.



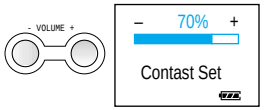
- Push MODE button for longer than 2 seconds.
- Push VOLUME+/- button to select "Setup" and push MODE button subsequently.

2 Push VOLUME+/- button.



- Push VOLUME+/- button to select "Contest" and push MODE button subsequently.

3 Use VOLUME+/- buttons to control the



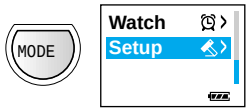
- Use VOLUME+/- buttons to control the brightness of the LCD.

4 Push REC button to move out from the

- By pushing REC button each time, you can move to the next upper level of the folders.
- Push REC button over and over to move out from the menus.

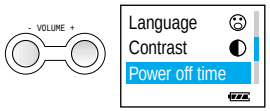
Setting for Power-off Time

1 Push MODE button.



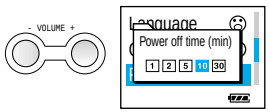
- Push MODE button for longer than 2 seconds.
- Push VOLUME+/- button to select "Setup" and push MODE button subsequently.

2 Push VOLUME+/- button.



- Push VOLUME+/- button to select "Power off time" and push MODE button subsequently.

3 Use VOLUME+/- buttons to set the



- Use VOLUME+/- buttons to set the time for the auto power-off time you desire.
- It moves as 1min. → 2min. → 5min. → 10min. → 30min. and etc. in sequence.

4 Push REC button to move out from the

- By pushing REC button each time, you can move to the next upper level of the folders.
- Push REC button over and over to move out from the menus.

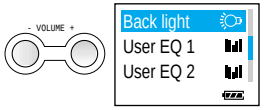
듀얼승인용 2003.3.14 2:58 PM 페이지42

Setting for Back Light

1 Push MODE button.

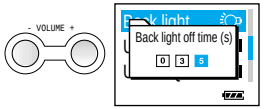
- Push MODE button for longer than 2 seconds.
- Push VOLUME+/- button to select "Setup" and push MODE button subsequently.

2 Push VOLUME+/- button.



- Push VOLUME+/- button to select "Back Light" and push MODE button subsequently.

3 Use VOLUME+/- buttons to set the



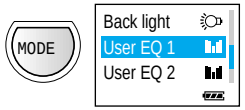
- Use VOLUME+/- buttons to set the duration time you desire.
- It moves in sequence as 1sec. ➞3sec. ➞5sec. and etc.

4 Push REC button to move out from the

- By pushing REC button each time, you can move to the next upper level of the folders.
- Push REC button over and over to move out from the menus.

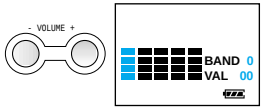
Setting for Equalizer (User Mode)

1 Push MODE button.



- Push MODE button for longer than 2 seconds.
- Push VOLUME+/- button to select "Setup" and push MODE button subsequently.
- Push VOLUME+/- button to select "User EQ 1" and push MODE button subsequently.

2 Following pages are shown



- By buttoning on MODE, the cursor moves to other bars.
- Push MODE button to select the bar you desire.
- Push VOLUME+/- buttons until you have the value you want.

3 Set other bars in the same way as

- Push MODE button to select the bar you desire.
- Push VOLUME+/- buttons until you have the value you want.

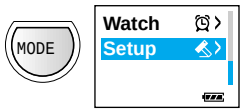
4 Push REC button to move out from

- By pushing REC button each time, you can move to the next upper level of the folders.
- Push REC button over and over to move out from the menus.

듀얼승인용 2003.3.14 2:58 PM 페이지44

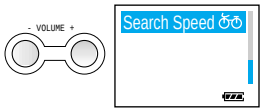
Setting for Search Speed

1 Push MODE button.



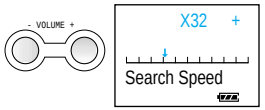
- Push MODE button for longer than 2 seconds.
- Push VOLUME+/- button to select "Setup" and push MODE button subsequently.

2 Push VOLUME+/- button.



- Push VOLUME+/- button to select "Search Speed" and push MODE button subsequently.

3 Use VOLUME+/- buttons to set the



- Use VOLUME+/- buttons to select desired speed.
- It moves in sequence as ×1 → ×2 → ×4 → ×8 → ×16 → ×32 → ×64 → ×128 and etc.

4 Push REC button to move out from

- By pushing REC button each time, you can move to the next upper level of the folders.
- Push REC button over and over to move out from the menus.

PROGRAM INSTALL

듀얼승인용 2003.3.14 2:58 PM 페이지46

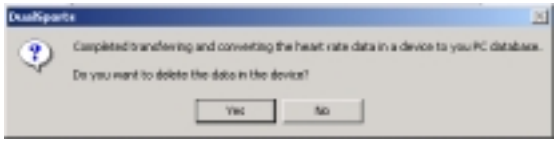
Installing Software

1 Insert Software CD Rom into the CD-

- Insert M • ANY Dual Sports MANAGER CD into the CD-ROM of you computer.
- Then click on [Install] button.

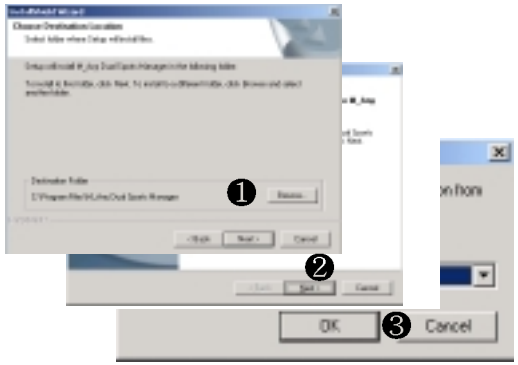
2 Choose the language for installation.

- Select your language and click on “OK” button.



3 Click on “Next” button.

❶ Click on “Next” to continue the installation.
❷ Choose the folder where the program will be installed. Click on “Next” to continue.
❸ When the installation is finished, click on [Finish] to finalize.



4 A shortcut appears on desktop.

- Once the installation is finished, there appears a shortcut on desktop.

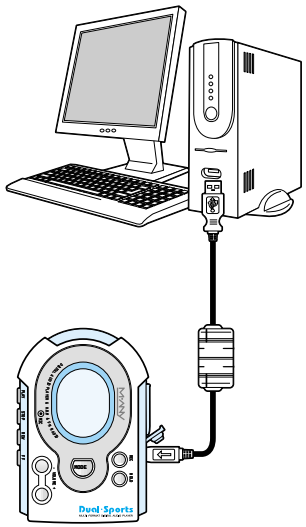
듀얼승인용 2003.3.14 2:59 PM 페이지48

Connecting to PC

1 Connect to USB port of your PC.

※ The power of the player goes out when it is connected to USB port.

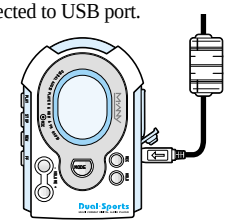
- Connect the USB cable (Accessory).
- The specified USB cable can be only used for this connection.



Use of M-ANY DUAL SPORTS MANAGER

1 Connect the USB cable to DUAL

- Connect the PC with DUAL SPORTS using the USB cable.
- The power of DUAL SPORTS goes out when it is connected to USB port.

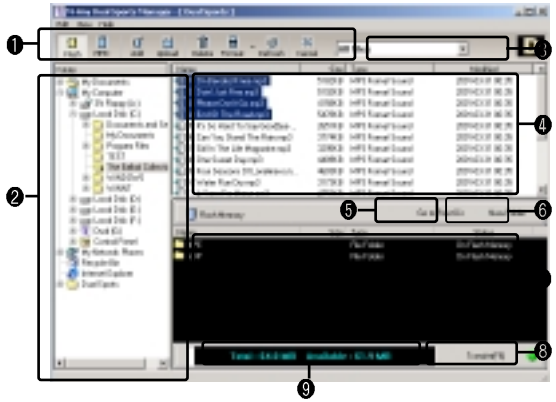


2 Double click on the icon.

- Click on M-Any Dual Sports Manager icon from the desktop.
- The player can be used as a portable driver downloading and uploading normal files with M-Any Dual Sports Manager (Image, Music and Word files etc.).

듀얼승인용 2003.3.14 2:59 PM 페이지50

3 The main page of MANAGER appears on the



❶Shortcut: used for facilitating operations
❷Folder Window: used to show folders in the PC.
❸File Type: shows files by types. (Audio, Document, Image and All Files)
❹File List Window: used to show files in selected folder.
❺Move to Root: used to move to the root folder in the memory.
❻Creating Folder: used to create new folders in the memory.
❼Memory Window: shows saved information in the memory.
❽Download: transfers selected file to the memory.
❾Memory State: displays currently remained and entire capacity of the memory.

4 About MANAGER Icons

• The buttons with the same names as names on the main menu do the same functions.

• Selection button for Flash memory or DUAL SPORTS.

• Selection button for outer memory (MMC) for memory expansion.

• Add-on button to add selected files to the memory window. The added files appear as “To be downloaded” state on the memory window.

• Upload button to upload files from the memory of DUAL SPORTS to the PC.
But, excluding music files (MP3, WMA).

• Delete button to remove selected files from the memory.

• The button formats the memory of DUAL SPORTS. Every file in the memory will be deleted with this button.

• The button updates the contents in the memory.

• The button stops file transferring between DUAL SPORTS and the PC.

듀얼승인용 2003.3.14 2:59 PM 페이지52

File Download

1 Save files to your PC.

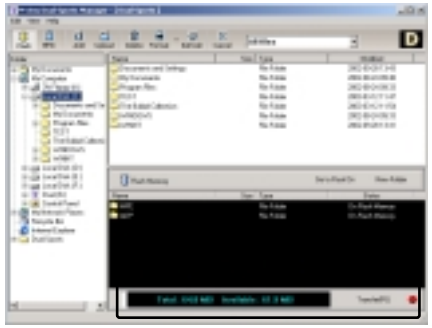
- Save any digital audio file gained from webpage or internet sources to your PC.

2 Connect DUAL SPORTS with the

- Connect DUAL SPORTS with the PC using the USB cable (See 00P).
- Click on the shortcut on desktop.

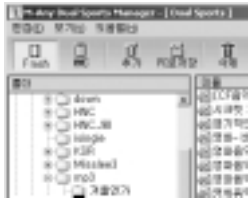
3 Main MANAGER page appears.

- A message “Can’t not read the Memory” will appear when the connection is failed or not connected.



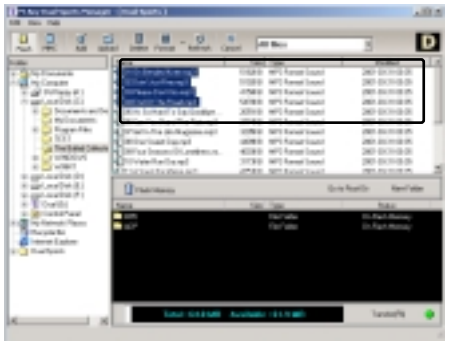
4 Select files.

- Select a folder where files are saved in your PC.



5 Select the file to download.

- Select the file to download to the player.

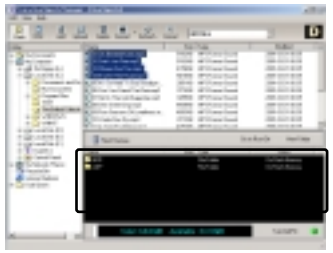


듀얼승인용 2003.3.14 2:59 PM 페이지54

6 Click on Add-File button.

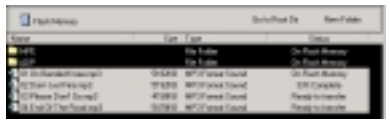
- Click on Add button after selecting the file.
- Then the file is added to the memory window and the message "To be downloaded" appears on the screen

※You may also add files with "drag & drop" for the files to be ready for download.



7 Click on "Download".

- Selected file from the PC is downloaded to the memory of the player.
- To halt the downloading, click on "Cancel".



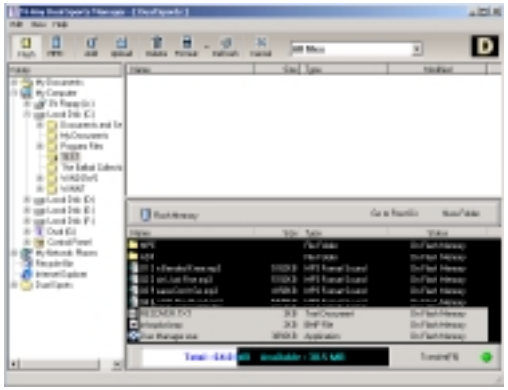
File Upload

1 Choose a folder where the files are

- Choose a folder in the PC to save the files.
  But, MP3, WMA files can not be uploaded. It is prohibited by the law.

2 Choose files you are uploading.

- Select the files you are uploading form the memory window.

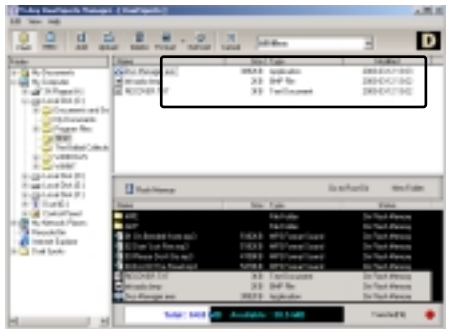


듀얼승인용 2003.3.14 3:0 PM 페이지56

3 Click on "Save to PC"

- You may confirm uploaded files from file list window when you click on "Save to PC"

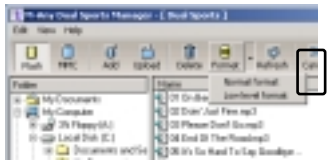
※ You may also upload files with "drag & drop".



Memory Format

1 Click on "Format".

- You can format the memory by clicking on "Format" button as needed.
  All the data in the memory will be deleted accordingly.
- Select Fast Format or Entire Format.



3 Selecting Format Type

- Fast Format: only removes file information from the memory speedily.
- Entire Format: makes the memory as it was first released and takes long time.
- Click on "Y" to format.
- Completion window pops up when it is finished.

※ DUAL SPORTS may not work if you abort the format while it is being formatted. Please do not abort until it finishes.

듀얼승인용 2003.3.14 3:0 PM 페이지58

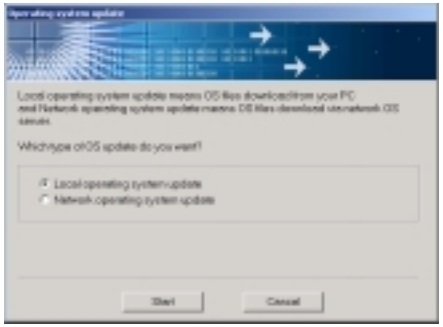
OS Update

1 Execute M-ANY DUAL SPORTS MANAGER on

• Execute M-ANY DUAL SPORTS MANAGER by double clicking on the icon form desktop with the USB cable connected.

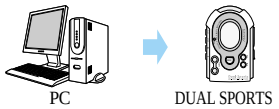
2 Choose "OS Update" menu.

• OS update A dialogue box for OS update by clicking on "OS Update" after choosing "Edit" menu from the menu bar.

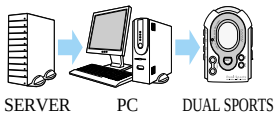


3 Choosing OS Update type

• The OS of the MP3 player will be updated by clicking on "Start" after choosing desired OS update type.



• PC OS Update
The OS originally contained in DUAL SPORTS is downloaded to the MP3 player.



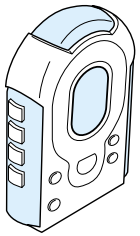
• Network OS Update
The OS firstly is downloaded from the network server to the PC and subsequently to be downloaded from the PC to MP3 player.

※Note: The PC should be connected to the internet for the update.

듀얼승인용 2003.3.14 3:3 PM 페이지78

Please check the followings before you ask for the services.

When	Then check (if)	And you may
You can not play MP3	▶There is any song in the flash memory.	▶Download songs to the fresh memory.
	▶The battery ran out.	▶Replace or charge the battery.
Uploading and downloading MP3 is not available	▶The USB cable is correctly connected.	▶Assure cable connection.
There is not enough memory remained		▶Remain necessary files only in the memory.
There is a message saying "Fault on the Memory"	▶Which memory has the fault.	▶Refer to "Help" from M-ANY T MANAGER to resolve the problems you have with the player.



* The player does not play the file with security protection such as liquid audio. Please care about this when you use the player.

Please check the followings before you ask for the services.

When	Then check (if)	And you may
It does not work by buttoning.	▶The battery is inserted with wrong direction?	▶Re-insert the batter with right direction.
	▶The battery should be recharged?	▶Recharge the battery.
	▶The lock button is in the lock position?	▶Move lock button to unlock position.
Letters on the LCD are not properly displayed.	▶The contact of the battery is good?	▶Insert the battery correctly and close the cover tightly.
	▶The buttons get too mush forces?	▶Push the buttons correctly when only they are required to do.
	▶The battery ran out?	▶Replace the battery to

듀얼승인용 2003.3.14 3:3 PM 페이지80

Damage Compensation Policy

Type of Damage			Compensation: Within Guaranteed Period	Compensation: After Guaranteed Period
When problem occurs with its' performances or functions in normal condition of use. (Within the period of holding parts)	When major parts are required to be served within one month from the purchasing		Product Exchange or Refund	Service for Charge
	When major parts are required to be served within ten days from the purchasing		Product Exchange	
	When exchanged products are required to be served on major parts within one month from the purchasing		Refund	
	When it is not exchangeable			
	When it is repairable	When it has defects	Service for Free	
		When the same repair has been performed for four times	Product Exchange or Refund	Refund by adding 10% of depreciated amount
	When it is not repairable			
	When it is not repairable by lack of parts' stock			
	When the service person lost the product			
	When the damages occur from transportation or installation		Product Exchange	
Problems with its' performances or functions from customer's faults regardless if they are intentional or not.	When it is repairable		Service for Charge	
	When it is not repairable		Product Exchange by Payment which is comparable to "Service for Charge"	Service for Charge To be complied with the separate policy of the manufacturer
◆ When the faults occur from force majeure (including but not limited to fire, salt flood, gas, earthquake, storm, flood and etc.) ◆ When the faults occur from abnormal power supply or defects on access devices ◆ When replacing normal consumable parts. ◆ When problems occur from other outside factors without having any defect in the product. ◆ When the problem occurs from unauthorized service engineer.			Service for Charge	Service for Charge

■ The manufacture is not responsible for any data loss when it is caused by users' fault.
■ Any other matters that are not specified herein should comply with "Regulation of Customer Protection"
Service Call Center: +82-54-334-6003~4, 080-201-6789(Domestic)
■ FAX: +82-54- 337-3075

Product Specification

Radio(FM)	Frequency range	87.5 MHz~108.0 MHz
	Output	7mw (L)+7 mw(R)
	Signal-to-Noise Ratio	50 dB
	Antenna	Headset/Earphone Code Antenna
Audio	Frequency Characteristics	20 Hz~20 KHz
	Output	7mw (L)+7 mw(R)
	Signal-to-Noise Ratio	50 dB
File Support	File Type	MP3, WMA, ADP
	Bite Rate	8Kbps or more (MP3), 32Kbps or more (WMA)
Recording Capacity	Voice Recording for 1040 minutes (256MB)	
	Music Recording for 240 minutes (256MB)	
Maximum Play Hours	More than 15 hours (at highest volume, 128Kbps, MP3)	
Temperature Conditioned	-5℃ ~ 70℃	
Product Size	90×60×20mm(W×L ×H)	
Weight	55 g (without battery)	
LCD	Graphic LCD	
Battery	1.5V AAA size X 2	

듀얼승인용 2003.3.14 3:3 PM 페이지82

LETTER OF GUARANTEE

Product :	
Model :	
Date of Purchase :	(Y) (M) (D)
Customer Name :	Contact No.:
Address :	
Seller's Name :	Contact No.:
Address :	

HW

• Please keep this letter of guarantee to have sufficient services and the letter should be submitted with the date of purchase marked therein.

1. The guarantee for the product is subject and limited to the provision listed on the letter.
2. Please make sure that the date of purchase is provided on the letter as the guarantee period is calculated from the date.(When it is not specified, the purchase date is considered as the first date after 6 months from manufacture.)
3. This letter of guarantee may not be reissued.

The appearance and specification of the product may be subject to changing without any prior notice to customers.

FCC Compliance Statement

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may cause harmful interference, and
(2) This device must accept any interference received including interference that may cause undesired operation.
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 in radio communication. 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 the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio or TV technical for help.

Caution

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.