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DAH-1500
User's Manual

Sharp-cut organic EL LCD/ 6-mode & user-set EQ/ unlimited folders and file-navigation system/
easy & convenient clock system/ removable disk/ FM radio and recoding/ built-in Li-ion battery/
resume function in second/ easy firmware upgrade

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This is not a trouble!

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Safety Precautions

- Avoid humidity or dusty area
 - Don't disassemble or modify the product.
 - Don't put the product close to any heating device or under direct sunlight
 - Avoid the product from dropping or excessive shock
 - Never use any chemical or cleanser. It may damage the surface of product.
 - Don't touch the product with a wet hand.

 - Distributing music files without authorization is against copyright law.
 - The manufacturer is not responsible for any damaged data saved in the product if the product error was caused by user's carelessness. The data saved in the product may be damaged in the A/S.
 - Listening to sound sources in higher volume may cause auditory disorder.
 - Don't use earphone set while riding a bicycle or motorcycle, or driving a car.
 - Immediately reset the product when it generates excessive heat or burning smell, and then contact our A/S agent for repair.
-

Safety Precautions

Safety matters for AC adaptor

- Don't open the case of AC adaptor to avoid electric shock.
- Please be fully aware of this user's manual to avoid any unexpected trouble.

Warning!

Prevent the AC adaptor from contacting water to avoid fire or electric shock. Use enclosed adaptor in the package only to ensure the safety. (Manufacturer is not responsible for any trouble caused by using other adaptors).

Note!

Use correct outlet socket to connect with the power plug to avoid electric shock. The power plug shall not be exposed outside when it is successfully connected into the socket.

Built-in Battery

- Don't use damaged built-in battery or AC adaptor.
- Excessive recharge long than specified hours is not allowed to prevent fire.
- Fully recharge the battery when trying to use it for the first time or after a long-term disuse.
- When the using term gets shorter in comparison with recharging term please replace the battery.
- Since the battery supplied with the product is consumable the using hours of it gradually gets shorter.
- Any metal parts on DC converter or built-in battery should not be allowed to touch other conductive materials to avoid fire or electric shock.

Special Features

Polished & Elegant Design

Super compact size (24*24*24mm/ 18g) reveals the highest aesthetic sense!

Refined functions along with simple-but-elegant design provide the maximum convenience and mobility.

Sharp-cut Organic EL LCD

Blue colored self-illuminant organic EL is used as the main screen with optimum harmony

between black background and blue texts. This organic EL LCD provides you very sharp-cut color, comfortable-to-eye display and elegant high-end screen quality.

6 Mode & User-set EQ

According to music genres it provides 6 selectable modes; Normal/ Rock/ Jazz/ Classic/ X-Live to satisfy your taste as well as user-set mode which enables you set the tone as per your own preference.

Unlimited Folders & File Navigation System

The product plays every MP3 files saved in multi folders. Those files and folders can be selected and played as if in Windows environment.

Easy & Convenient Clock System

It also provides Clock function for your convenient life

Removable Disk

By connecting the product to PC, the Windows system identifies it as a removable disk. No extra effort to install additional software in the PC is required. All other file formats can be saved in the product.

FM Radio & Recording

Enjoy FM radio with this product as well as digital music files (MP3/WMA)! You can also record your favorite FM programs or songs and save them as music files. Auto tuning and frequency storage are also available.

Built-in Li-ion Battery

No extra battery is required. This advanced battery system can be easily recharged by only connecting into the USB port in PC.

Resume Function in Second Unit

Don't worry about sudden power off. This resume function operating in second unit recovers all previous settings when you turn the power on again.

Firmware Upgrade

If any modification in the functions is required by manufacturer, you may easily upgrade the firmware by simple manipulation.

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Technical Specification

Functions	Items	Specifications
FM Tuner	FM Frequency Range	87.5MHz ~ 108.0MHz
	Headset Output	Max. 7mW(16Ω) Max Volume

	S/N Ratio	50dB
	Antenna	Headset/earphone code antenna
Audio	Frequency Characteristics	20Hz ~ 20KHz
	Headset Output	Max. 7.5mW(16Ω) Max Volume
	S/N ratio	90dB
Supporting Files	File format	MP3, WMA
	Bit rate	MP3: 8~320Kbps WMA: 32~192Kbps
USB	Download speed	6Mbps (USB Ver 1.1)
Recording period		FM radio 1040 minutes (with 256MB/ 48Kbps recording mode)
Max. Elapsing period		15 hours
Operating Temperature		-5℃ to 70℃
Size (W*H*D)		24 * 24 * 24 (mm)
Weight		18 g
Battery (Built-in)		Li-ion

Accessory

- Depicted images shown below are provided only for your appreciation and they may be different from real products.

USB Cable

Carrying Case

Necklace Earphone

User's Manual

Program CD

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Designations

Front

Necklace link pin

LCD screen

Top

Earphone jack/ USB jack

Necklace link pin

Bottom

Reset button

Lateral sides

Necklace link pin

Power/ Play/ Pause

FF/ REW/ VOL+/-

Necklace link pin

MENU/Navigation

Hold/ Clock button

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Buttons

Power ON/OFF

File Play/ Pause

Move to Submenu/ Menu Set-value Save

Searching Previous/Next File

Move to Left/Right Menu

Move to Navigation sub/preceding Folder

Volume Up/Down

Move to Upper/lower Menu

Move to Navigation sub/preceding folder or file

Move into Menu/ Navigation Mode

Move to preceding Menu

Recording FM Radio

Hold

Clock View

LCD Display

Music Mode

A: Displays file format in playing

- B: Displays file status (Play/ Pause/ Stop)
 - C: Displays play mode
 - D: Displays hold
 - E: Displays battery status
 - F: Displays file title
 - G: Displays file elapsing time
 - H: Displays current file No./ total file number
 - I: Displays EQ
 - J: Displays volume
- FM Mode
- A: Receiving sensitivity (Antenna)
 - B: Displays search/ preset mode
 - C: Displays stereo/ mono
 - D: Displays hold
 - E: Displays battery status
 - F: Displays frequency
 - G: Displays volume

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Recharge

1. Using USB cable, connect the product into USB port in PC to recharge the battery.
2. LCD screen shows the icon change from (picture) to (picture) when it is fully recharged.

Note!

- It takes approx 3 hours to completely recharge the fully consumed battery.
- Recharge is still undergoing while downloading/uploading files from/to PC.
- Recharge the product using USB cable when LCD screen is not activated.
- LCD screen shows (picture) when any error in recharge process occurs. Try to recharge few times more. If the error is consistent, contact our local A/S agent.

Power

1. When initially turn the product on the battery status may vary. It is stabilized 5 to 6 seconds after the power ON.

(picture)	(picture)	(picture)
(Full)	(Mid)	(Low)
2. Continuous elapsing period

- 1) 15 hours in below conditions;
 - MP3: 128Kbps, 44.1Khz
 - Vol 15
 - Power Volume not in use
- Recharge the battery in following cases;
 - 1) "Low Battery" appears on LCD
 - 2) Button is not functioning correctly
 - 3) LCD is not activated by pushing the power button.

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Connection with PC

Note!

- What's USB (Universal Serial Bus)? This is a new connection system between PC and peripheral devices.
- Connect the USB cable supplied with the product into a USB port in PC. Any unexpected error can be happened when connecting to the USB port in front of PC or USB hub.
- The product can not be identified in the PC with Windows 98SE or lower. Install program CD supplied with the product in the PC.

USB cable connection

Connect one end of the cable into a USB port on the back of PC and the other end to the earphone jack of this product.

Disconnection

With Windows ME, 2000 and XP

1. Double click on the green arrow on the right-bottom part of the initial Window screen.
2. Click on Stop and OK after selecting "USB High Capacity Storage Device"

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Disconnection

3. Click on OK on "Safety removal of the hardware" message bar and then remove the cable.
- In case with Windows 98SE

Open “My Computer” or “Windows Search” and choose “Removable Disk.” Choose “Remove” using the right button of mouse and then remove the USB cable.

Note!

- Removing the cable without following above instruction will display a warning message and may cause a fatal error in PC or the product.
- Removing the cable while downloading or uploading files, or formatting the product may cause a fatal error in PC or the product.

Basic Operations

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Power ON/OFF

Turning ON the power

Press (picture) for longer seconds to turn the power on.

Note!

- When the battery is low LCD shows “Low Battery” and is not activated.
- Recharge the battery when LCD is not activated.

Turning OFF the power

Press (picture) for longer seconds to turn the power off.

Note!

- When no button manipulation in pause or stop condition is done after the set period for “Auto Power Off,” it automatically turns off the power.
- In case with no earphone connected after a certain period time, it automatically turns the power off.
- When you try to play a file after the restarting of the product, it completely recovers all previous setting. All track numbers, equalizer and other settings are recovered.
(Resume function in second unit)

Playing Music

Playing file

At “Stop” or “Pause”;

Press (picture) to play the file

Stop

In playing;

Press (picture) to stop the file

Volume control

Press (picture) shortly to increase or decrease the volume by steps.

Press (picture) for longer seconds to increase or decrease the volume continuously.

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Playing Music

File Selection

Press (picture) shortly in playing to play the previous/next file.

Press (picture) shortly at stop condition to move to the previous/next file.

3. Convenient Functions

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Navigation (Folder search in playing)

Example) when trying to play “bye bye”;

Press for longer seconds

Choose Hyun Folder and push to FF direction

Select bye bye.mp3

Press (picture) to play bye bye file.

Note!

- Push to REW direction to move to upper-leveled folder
- Press (picture) to get out of the Navigation mode.
- (picture) Folder icon
- (picture) File icon

Hold

Holding Functions

Press (picture) once for longer seconds to hold the functions. Press the button once again to release it.

Note!

- No button is functioning in Hold status.
- (picture) is changed to (picture) when it is in Hold.

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Time

Time verification

Press (picture) once to view the current time. Press the button again to release it.

Note!

Time setting can be done by moving to Menu – Other Setting – Time setting. (See page 54)

Auto Power OFF

Auto Power OFF

- When the earphone has not been connected for a certain period of time, LCD displays “No earphone connected, power will turn off” and it turns the power off.

Note!

If you connect the earphone to the product, the power will not turn off.

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Listening to FM Radio

누름(Press) 탐색(Search) – Entering FM mode you can listen to the radio!

Note!

- Earphone also performs antenna function.
- The local frequency ranges may be various around the world. .

Mono/Stereo

설정(setting) 녹음음질(Recording Quality) 누름(Press) 탐색(Search)

Tuning in Radio Frequency

Searching for Radio Channels

Press (picture) in FM search mode to increase/decrease frequencies by 0.1Mhz.

Press (picture) in FM search mode for longer seconds to continuously increase/decrease frequencies.

Note!

- The frequency with the highest receiving rate will be selected.

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Saving FM Frequencies

Manual Channel Save

주파수 저장: Frequency saved

Note!

- Channels can be saved in Preset No. 1 through to 20.
- Press (picture) for longer seconds to get out of manual save mode.

Auto Channel Save

주파수프?? 주파수자??

Note!

- Press (picture) in auto frequency search to halt the process.

Preset Stop Level

When searching frequencies by pressing the button to FF/REW direction the frequency stop points are variable according to preset stop levels (4 to 12)

프리셋정?

Note!

- When the level is set close to 4 higher stop frequency is expected.
- When the level is set close to 12 lower stop frequency is expected.

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Preset Mode

Entering Preset Mode

FM setting 녹음음질: Recording quality 주파수프? Search mode Preset mode

Note!

- You can find all saved channels in the product by entering Preset Mode.

Preset Search

Press (picture) in FM Preset Mode to increase/decrease the Preset Number.

Note!

- Preset search will not be available if there is no channel saved.

Deleting Frequencies

Deleting Saved Frequencies

In FM receiving status

Note!

- Press (picture) for longer seconds to get out of Delete mode

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Recording FM Radio

Recording FM sound source

In FM receiving status

길게누름: Press for seconds

녹음시작: Recording Start

녹음정지: Recording Stop

Note!

- Recorded sound source is saved in MP3 format in FM folder with following sequence; F00001.MP3, F00002.MP3.....
- When the memory gets full the recording automatically stops and the file is recorded up-to-point.
- Sound quality may vary according to FM Bit rate
- In case that the power is not enough to run, the product the recording may not be completed correctly.

Bit rate setting

You may set bit rate for highest quality (128Kbps), high quality (96Kbps), mid quality (64Kbps) and low quality (48kbps) when recoding FM radio.

FM설정: FM setting

녹음음질: Recording quality

주파수프?

최고수준: Highest

고수준: High

중간수준: Mid

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5 Menus

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Menu List

Menus available in the product are as follows;

Menu	Music Play		
	FM Radio		
	Music Set	Equalizer	Normal Rock Jazz Pop Classic X-Live User Set
		User EQ	Base Treble
		Play Sequence	Repeat all files Repeat files in the folder Random play for all files Random play in the folder
		Power Volume	Enabled Disabled
		FM folder inclusive in playing	Disabled Enabled
	Screen Set	Backlighting time	
		Brightness	
		Language	English Korea
		ID3 Tag	File name ID3 Info
		Scroll speed	High speed Normal speed
	Other settings	Firmware version	
		Time set	

Auto Power Off

Sleep mode

Initialization

Main menu: There are all five main menus in the program.

Sub menu:

Set menu: There are sub menus under each main menu.

화면설정: Screen set

Backlight/ 밝기설정: Brightness Set/ Language

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Menu Buttons

Basic uses of menu buttons

1. Entering Menus

2. Searching Menus

음악설정: Music Set 또한or 화면설정: Screen Set

3. Entering Sub Menus (Set menus)

화면설정: Screen Set Backlight 밝기설정: Brightness Set Language

4. Modifying & Saving Set Value

5. Returning to preceding Menus (Main or Sub)

Press (picture) for longer seconds to get out of Menu Mode.

In case of setting "7" for brightness in Screen Set

Screen Set Backlight Brightness Set Language

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Menu (Mode Change)

Music

Choose "Music" from the main menu

FM Radio

Choose "FM Radio" from the main menu

Music Set

Choose "Music Set" from the main menu.

Equalizer

This function enables you to listen to various types of sound tones according to settings (Normal, Rock, Jazz, Pop, Classic, Live, User Set)

Music Set Equalizer 사용자이? File Play Normal Rock Jazz

User Set EQ

You can enjoy your own tones by adjusting the base (0-30) and treble (0-30).

Music Set Equalizer 사용자이? File Play Base Treble

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Music Set

Play Sequence

This function sets the file play modes (Repeat all files, Repeat files in the folder, Random play in sequence, Random play in the folder).

Music Set	Equalizer	사용자이	File Play All Files	Files in the folder	All files
-----------	-----------	------	---------------------	---------------------	-----------

Repeat all files: all music files are repeatedly played in sequence.

Repeat files in the folder: music files in current folder are repeatedly played in sequence.

Random play for all files: all files are randomly played.

Random play in the folder: files in current folder are randomly played.

Power Volume

This functions enables you hear sound sources in higher output power.

Music Set	사용자이?	File Play Power Volume	Disabled	Enabled
-----------	-------	------------------------	----------	---------

Disabled: It enables you enjoy sound sources in original set volume.

Enabled: It enables you enjoy sound sources in higher powerful volume.

Note!

Using this function may reduce total elapsing time period.

FM folder inclusive in playing

This function enables you choose whether you prefer to play the files in FM folder or not.

Music Set	File Play Power Volume	FM Folder Play
-----------	------------------------	----------------

Inclusive Exclusive

Exclusive: Files in FM folder are not played.

Inclusive: Files in FM folder are played.

Note!

You can search and play files in FM folder in Navigation Mode even though it is set under Exclusive.

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Screen Set

Choose "Screen Set" from the main menu

Backlighting period

It enables you set backlighting periods of LCD among 5, 15, 30 seconds and always ON.

Screen Set Backlight Brightness Set Language Backlighting

Brightness Set

This function let you set the brightness of LCD from 1 to 10 levels.

Screen Set Backlight Brightness Set Language Brightness

Language

You can choose preferable language between English and Korean

Screen Set Backlight Brightness Set Language Korean

English: all menus are displayed in English

Korean: all menus are displayed in Korean

ID3 Tag

The function enables you set music file information (File name, ID3 info) displayed on LCD.

Screen Set Brightness Set Language ID3 Tag File Name ID3 Information

File Name: It displays file names

ID3 Info: It displays ID3 tags instead of file names

Note!

The file with no ID3 tag info only displays file names.

Scroll Speed

This function sets text scrolling speed displayed on LCD between Fast and Normal.

Screen Set Language ID3 Tag Scroll Speed Fast Normal

Fast: File names are scrolling at higher speed on LCD.

Normal: File names are scrolling at normal speed on LCD

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Other settings

Choose "Other Sets" from the main menu

Firmware Version

The function shows firmware information (OS) of the product.

Other Sets Firmware Time SetAuto Power

Time Set

It enables you set time, day, date, month and year.

Other Sets Firmware Time SetAuto Power
Band Move Level Set

- Note!

Press (picture) to view set time in Play and FM Radio modes.

Auto Power OFF

The function turns off the power automatically when there has been no button manipulation for set period (30 seconds/ 1minute/ 2minutes/ 5minutes/ 10minutes or disabled) in Pause or Stop.

Other Set Firmware Time SetAuto Power Brightness Set

Sleep Mode

This function automatically turns off the power after set period of time (10/ 20/ 30/ 60 minutes or disabled) for your sleep.

Other Set Time Set Auto Power Sleep Mode

Initialization

It initiates all set function.

Other Set Auto Power Sleep Mode Initialization

Yes: All preset information is initialized.

No: Cancels initialization.

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Installation of Program CD

System Requirement

The minimum requirements for PC system are as follows;

- Microsoft OS (Windows 98SE, ME, 2000 or XP)
- CD-ROM Drive
- Pentium 200Mhz or more
- RAM 32MB or more (64MB for Windows ME or later version)
- 128MB or more hard disk space

(Additional hard disk may be needed for saving music files)

- USB port available
- Mac. 9.X-X

Installing Program CD

Note!

- This Mass Storage type product can upload or download files without installing extra software.

In case of using Windows 98SE: Please install the program CD supplied with the product before upload or download files. (PC may not identify the product)

File Download/ Upload

Downloading or uploading files

Note!

- This product downloads or uploads all types of data files (*.jpg, *.xls, *.hwp.....) functioning as a removable disk as well as a MP3 player.
1. To download files connect USB cable and click on "Copy" using right mouse button following the selection of files in PC.

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File Download/ Upload

Downloading or uploading files

2. Click on "Paste" in Removable Disk window using right mouse button.

Note!

- PC identifies the product as a removable disk under "My Computer."
 - Don't remove USB cable while transferring the files. It may cause fatal error in PC or the product.
3. Downloading selected files to the product is completed.

Note!

- You can upload files from the product to PC by following reverse way.
- Drag & Drop makes you easy to download or upload files.

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Format

Note!

- Removed files can not be recovered after formatting the device!
- 1. Choose “format” using right mouse button on removable disk folder in PC Windows.
- 2. Click on Start button when format window pops up.
Check if file system is set for FAT32

Be very careful at format!

- 3. Format completed.

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This is not a trouble!

Followings may not be troubles, please carefully examine symptoms.

1. Can not turn the Power on?
 - Check the battery capacity. Recharge the battery with USB cable.
 - Check if the product is in HOLD.
2. Button is not functioning?
 - Check if the product is in HOLD.
3. Can not hear sound sources properly with much noise?
 - Check if any foreign material applied on earphone tip and, if yes, remove it.
 - Completely push the earphone tip into the product.
 - Check if the file is damaged.
 - Check the volume.
4. Too much noise with interrupted FM receiving?

- Check the earphone. It functions as an antenna.
- Use the product away from peripheral electric devices.

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This is not a trouble!

Followings may not be troubles, please carefully examine symptoms.

5. Trouble with file downloading?
 - Check USB cable connection.
 - Check the available memory capacity.
6. LCD is not activated?
 - Check LCD brightness set. Menu – Screen Set – Brightness Set
 - Check the battery. Recharge it with a USB cable if needed.

Customer Support & After-sales Service

Before you go for A/S check the followings;

- A. Your convenient Mobiblu DMZ (Digital Mobiblu Zone) After-sales Services
 - Mobiblu services are easily accessible all the time
 - You can use many options for A/S; Telephone, Mail to Mail, Visiting and Home-delivery.
- B. Be familiar with User's Manual
 - Please carefully read this user's manual for you optimized use of the product. When you have any unexpected trouble with the product please refer to "This is not a trouble!" in this manual.
- C. Visit our Website
 - You may resolve the product trouble by visiting Mobiblu webpage (www.mobiblu.com : FAQ) or Mobistyle webpage (www.mobisyle.co.kr : Q&A – Symptoms by modles).
- D. Telephone Support
 - You may also call to our customer support number (1588-3949) from anywhere in the country. (Korea only)
 - You may also make a reservation for incoming-call consultant in the internet if above is not available. (Korea only)

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Customer Support & After-sales Service

Before you go for A/S check the followings;

E. Mail to Mail

- If you ask for Peer to Peer service we will promptly reply to your email.
- Please inform us of the correct model name of your device with as much trouble details as possible.

F. Using Board

- You may also use board for your queries.
- Q&A is the common form of the board. If you need to know about memory upgrade, sales compensation, buying or delivery, please visit relevant boards.

G. Precaution for dispatching troubled product

- Save important data to you PC. Data saved in the product can be inevitably removed for the purpose of repair. Saving important data to PC is customer's responsibility. We do not backup the files in any product received by our A/S centers.

Warranty Policy

Defects or Damages		Warranty Detail		
		Within Warranty Period	After the Expiration	
Functional or performance error under normal operating conditions (within the period of components keeping)	When it is required to repair within 10 days from the purchase	Replacement or full refund	Repair at cost	
	When it is required to repair major components within 1 month from the purchase.	Replacement		
	When replaced product requires additional important repair within 1 month from the date of receipt.	Full refund		
	When replacement is unavailable			
	When it is repairable	With trouble	Free repair	Refund by adding 10% to the depreciated value of the product.
		Repaired but same trouble reoccurs (4x)	Replacement or full refund	
	When repair is unavailable			
	When unable to repair due to shortage of parts			
	When the product under repair is missing.			
When the trouble was caused among transportation or installation.	Replacement			
Functional or performance error caused by user's intentional misuse	When it is repairable	Repair at cost	Repair at cost	
	When it is not repairable.	Replacement after charging for equivalent repair cost	Based on the separate HW policy	
<ul style="list-style-type: none"> • Trouble caused by natural disasters (fire, salt damage, gas explosion, earthquake, storm, flood and etc.) • Trouble caused by improper power source or connecting devices. • Replacement of disposable components worn out under normal operating conditions • Trouble caused by external factors • Trouble caused by repair or alteration of the product by unauthorized personnel other than service technicians from Hyunwon service center. 		Repair at cost	Repair at cost	

- Hyunwon is not responsible for the loss of data caused by careless use of the product.
 - Items not specified above shall follow the Customer Protection regulations.
-

Warranty Card

Warranty Term: 1 year from the date of purchase

Product Name:

Model:

Date of Purchase: m-d-y

Name of Customer: Telephone Number:

Address:

Name of Agent: Telephone Number:

Address

Hyunwon Ltd.

You need to present this Warranty Card with the date of purchase written thereon when required in order to receive satisfactory services. Please keep this card in a secure place.

1. The warranty service for the product shall be provided based on the information contained in this Warranty Card.
2. The warranty service is available effect from the date of purchase, so please put the date of purchase on this Warranty Card. (If the date of purchase is not identified in the card, the effective warranty period will start from the date 6 months from the date of manufacture.)
3. This Warranty Card can not be reissued

The design and size of the product are subject to change without prior notice in order to improve product quality.

FCC Compliance Statements

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 instruction , may cause harmful interference to radio communication. However , there is no guarantee that interference will not occur in a particular installation.

If this equipment dose 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.

Warning :

Your are cautioned that any change or modifications to the equipment not expressly approved by the party responsible for compliance could void your authority to operate such equipment.

NOTE : This unit was tested with shielded cables on the peripheral device .
Shield cables must be used with the unit to insure compliance.