EasyHear
Grand

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User Manual

Powered by Logital Co. Limited

Contents

Introduction

Welcome

Thank you for purchasing EasyHear (EH) Grand. We are sure that you can enjoy the convenience and reliability of using this hearing device. This manual will offer you guidance on the operation and information about safety and troubleshooting, etc.

Environmental Information

This product has been designed to comply with international directives on the Restriction of Hazardous Substances (RoHS), FCC and CE certification.

Notes on Copyright

This product incorporates copyright protection technology and intellectual property rights (patent pending) owned by Logital Co. Limited. Brand name(s) mentioned in this manual is/are trademark(s) of Logital Co. Limited.

Caution: Please Read

FOR SUPERHEAR MAIN UNIT:-

Safety Information

- In order to save power, remember to power off EasyHear Grand (EH Grand) when it is not in use.
- Children using EH Grand must be under the guidance of adults.
- Listening at uncomfortably high volume levels, particularly over extended periods of time, may damage your hearing.
- Should you notice an abnormality in the AC power adapter, disconnect it from the AC outlet immediately.
- Keep EH Grand dry and away from direct sunlight.
- Do not expose EH Grand to excess liquid, moisture or humidity.
- Do not expose the battery to temperatures above + 40°C or below -10°C.
- Do not expose EH Grand to open flames.
- Do not disassemble EH Grand.
- Do not drop EH Grand or subject it to strong shock.
- No user serviceable parts inside.

- Only use power adapter with output DC 5V, 800mA for battery charging.

Notes for Children (3 years or under)

Keep out of children's reach other than child users of EH Grand.   Do not allow children to play with your EH Grand or its accessories. They could hurt themselves or others.   The children could accidentally damage the product or accessories. EH Grand or its accessories may contain small parts that could become detached and create a choking hazard.

Declaration on the Supplied Accessories

Please use original Logital accessories.   Use third-party accessories may decrease product performance and/or pose a risk to personal safety.

Loudness Warning

Improper use may be harmful to your hearing. First time use, please turn the volume to a lower level before listening to EH Grand. After you are accustomed to EH Grand's volume, gradually increase it if necessary.

FOR EARPHONES:-

(1)   Safety Information

- Do not use earphones other than described in this manual.
- Keep the earphones and accessories out of reach of children.   Improper used by children may pose a threat of death or serious injury.   The earphones contain small parts and a cord that may pose a risk of choking or strangulation.
- If an earbud lodged in your ear, seek proper medical assistance to remove the earbud out, otherwise the ear may be damaged.
- Before inserting the earphones, make sure that the earbuds are attached firmly to the earphones.
- If the earphones cause discomfort or irritation, stop using them. Consult a physician or audiologist if needed.
- Handle the earphones with care.
- Do not expose the earphones to high temperatures or to strong magnetic fields. Do not immerse them in water.   Avoid sharp blows to the earphones.
- Keep   these   instructions   and recommendations so that you can review them in the future.

- Risk of explosion if battery is replaced by an incorrect type.
- Please follow the battery instruction to throw the used battery.
- Use only with N7100 Li-ion Battery.

(2)   How to Use

Only use the earphones from EH Grand and its original parts.   Never use accessories from other manufacturers.   They are not compatible with EH Grand and can modify the frequency response of your earphones and/or the EH Grand main unit, damage them or even cause injury.

Original accessories can be purchased from authorized EH Grand dealer(s).

a.   Wearing the Earphones

The earphones can deliver the best performance if correctly inserted in the ears with absolute sealing achieved.   To achieve the best performance, proceed as follows:

1.   Identify the left and right earphones.

2.   Hold the earphones with the cable pointing down, and the earbuds towards your head.

3. Insert the earbuds into your ear canals with a gentle push. Do not force the earphones into the ears. If you feel that the earbuds are too loose (insufficient sealing) or too tight (discomfort), try using another appropriate size.

4. The earbuds should seal the ear canal and fit without any discomfort.

To remove the earphones from the ears, hold them by the bud and pull them out gently with a small rotation in order to break the sealing.

Do not pull on the cable to remove the earphones from your ears!

b. Earbuds

The earphones come with earbuds which are washable. To change the earbuds, grab each earbud in the middle and pull it slowly until it comes loose. Do not use your fingernails or any other sharp object to remove the earbuds, as otherwise they could be damaged.

(3) Maintenance of the Earphones

To extend the lifetime of your earphones, keep them clean and follow the recommendations below.

• The earbuds should be cleaned regularly with water and mild soap, or with an antiseptic wipe. Always make sure that the earbuds are dry before reusing.

(4) Optional Accessories

To enhance your hearing effect with the earphones and EH Grand, we recommend that you opt for a pair of custom-made earmolds, to be attached to the earphones and replace the standard earbuds. For the severely to profoundly hearing-impaired users i.e., those with hearing loss of 70dB or worse, this recommendation is particularly necessary and important. For further information on how to acquire custom-made earmolds, please contact hearing consultant of EH Grand.

Specifications

In the Box

◆ EasyHear Grand x 1
◆ N7100 3.8V 3100mAh Li-ion Battery x 1
◆ EasyHear Stereo Earphone Cable x 1 with S size Earbuds fitted
◆ L and M size Earbuds x 1 pair each
◆ USB Charging Cable x 1
◆ User Manual x 1

Operation and Charging Time

◆ Normal battery duration:
   about 9 – 10 hours if Bluetooth is disabled.
◆ Normal charging time:
   ➢ about 6 – 6.5 hours when using 5V 800mA power adapter
   ➢ about 7 – 10 hours via PC USB port

Operating and Storage Temperatures

◆ Operating   : +40°C to -10°C
◆ Storage   : +40°C to -10°C

Functional Overview

Front and Side Panels
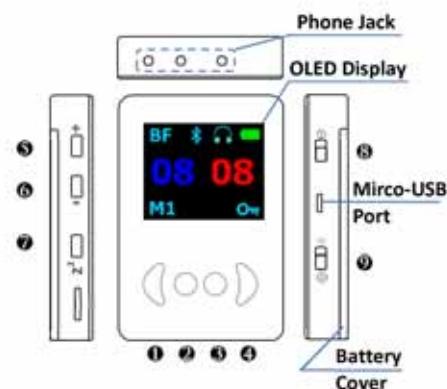
Figure 1: EH Grand Front and Side Panels

Table of Functions

Switch / Button		Descriptions
❶	"LEFT" Button	Change EQ Mode or Left Selection
❷	"EXIT" Button	Exit Page
❸	"ENTER" Button	Confirm Selection or Press 3 seconds for BT/Radio Selection
❹	"RIGHT" Button	Change EQ Mode or Right Selection
❺	"VOLUME UP" Button	Increase Volume or Increase Level
❻	"VOLUME DOWN" Button	Decrease Volume or Decrease Level
❼	"KEYLOCK" Button	Press 1 or 2 seconds to Lock or Unlock the Keypad
❽	Power On/Off Switch	Power On/Off the Unit.
❾	BF/NC Mode Switch	BF/NC Operation Mode Selection

Table 1: Table of Functions

Special Advice to User

a. It is better for the Beamforming & Noise Cancellation Microphones to point straight forward.

b. You are recommended to use BF mode for directionality, and use NC mode to listen to music. Try switch among BF / NC modes for optimal listening in different environments.

Display & Key Functions

1. Main Menu

	Descriptions
A	Current Operation Mode (Beamforming or Noise Cancellation Mode)
B	Bluetooth Icon (Indicates Bluetooth is On) <u>or</u> Bluetooth Device Icon (Indicates Bluetooth Device is Connected)
C	Earphone Icon (Indicates Earphone is Plugged in)
D	Battery or Battery Charging Icon (Level 0 to 4)
E	Left Volume (Level 1 to 20)
F	Right Volume (Level 1 to 20)
G	Current Equalizer Mode Mode 1 (M1) to 4 (M4) or Lock Mode (LM)
H	Keylock Icon (Indicates the Keypad is Locked)

Figure 2: Main Menu

1.1   Operation Mode

Use slide button ❾ for operation mode selection, up for Beamforming mode (BF) and down for Noise Cancellation mode (NC).   The current operation mode will be displayed at the upper left corner.

1.2   Cable Detection

When the stereo earphone is plugged into EH Grand, the cable icon 🎧 will be displayed in the upper side of OLED display within 3 seconds and user can enjoy the sound from EH Grand.

1.3   Dual Volume Control

In main menu, use ❺ or ❻ button to increase or decrease the volume output for both left and right ears simultaneously.

1.4   Battery Indication

Battery Indication (5 levels in total):

Empty	Level 1	Level 2	Level 3	Full
🔋	🔋	🔋	🔋	🔋
Needs Recharge	~25%	~50%	~75%	Full

When battery level is low, the empty battery icon will flash continuously. And, EH Grand will output "Do Do" sound to alert user to charge the unit. In addition, the display brightness level will become the darkest in order to save battery power automatically.

Notes:
- In order not to affect Hearing Test, low battery alert sound will be disabled in Hearing Test. However, the battery icon will still flash to alert user for charging.
- The low battery alert sound will also be disabled in Bluetooth Music, Bluetooth Phone Call and Radio Pages. And, the battery icon will still flash to alert user for charging.

1.5   Main Menu Selection

In main menu, press enter ❸ button to enter the selection menu. In selection menu, use left ❶ / right ❹ button to select page, then use enter ❸ button to confirm selection.

There are 8 selection items in total, which includes "**Equalizer**", "**Dual Volume**", "**AGC**", "**BT Music**", "**Tinnitus**", "**Hearing Test**" and "**Settings**".
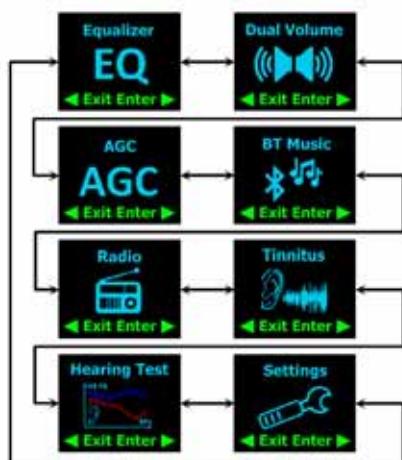
Use left ❶ or right ❹ button to select main menu item. Use enter ❸ button to enter selection page or use exit ❷ button to exit and back to main menu.

Figure 3: Main Menu Item Selection

2. Equalizer

2.1 Preset Mode

In main menu, use left or right button (❶ or ❹) to select the equalizer (EQ) preset mode (M1 to M4). The selected EQ mode will be applied to the sound output immediately.

Use left ❶ or right ❹ button to select the Equalizer preset mode (M1 to M4). The selected EQ mode will be applied to the sound output immediately.

Figure 4: Equalizer Preset Mode

2.2 EQ Setting

Press enter ❸ button to enter EQ Setting page. Use left ❶ or right ❹ button to select the EQ mode you want to set, then press enter ❸ button to enter the setting page.

There are 8 equalizer bands in total, which are 300Hz, 500Hz, 750Hz, 1kHz, 1.5kHz, 3kHz and 4kHz. User can use left or right button (❶ or ❹) to select EQ channel. In each EQ band, user can press ❺ or ❻ buttons to increase or decrease the EQ gain level. There are 9 EQ gain levels for adjustment in total, which are -12, -9, -6, -3, 0, +3, +6, +9 and +12dB respectively.

User can change left or right EQ channel by using enter ❸ button. Use exit ❷ button to go back to main menu after EQ setting is finished.
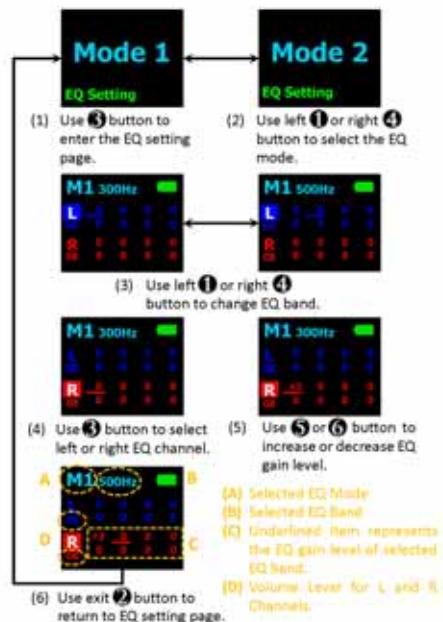
Figure 5: Equalizer Setting

3. Dual Volume

Use enter ❸ button to confirm selection and enter Dual Volume page.

Use ❺ or ❻ button to increase or decrease the volume level of left or right channel.   Use enter ❸ button to change left or right channel.

(1) Use enter ❸ button
     to confirm selection.

(2) Use ❺ or ❻ button to
     increase or decrease
     the volume level.

(3) Use enter ❸ button
     to select left or right
     channel.

Figure 6: Dual Volume Control

4. Automatic Gain Control

Automatic Gain Control (AGC) is used to automatically adjust the output sound level of EH Grand.   It can be enabled or disabled by user manually.

There are three different AGC levels for selection in total (01, 02 and 03); the corresponding recommended environments are listed in the following table:

AGC Level	Recommended Environment
01	Quiet / Indoor Place (e.g. office)
02	Noisy / Outdoor Place (e.g. street)
03	Very Noisy Place (e.g. crowded street or restaurant)

Table 2

If sound input exceeds the specified level, AGC will automatically decrease the EH Grand output sound level.   It is especially good for suppressing nearby speech (e.g. user's own voice).

Use enter ❸ button to enter Automatic Gain Control (AGC) page. In AGC page, use left ❶ or right ❹ button to change the AGC level from OFF, 01, 02 to 03. To exit to EH main menu, use exit ❷ button.

(1) Use enter ❸ button to enter AGC page.

(2) Use left ❶ or right ❹ button to change AGC level.

(3) Use exit ❷ button to exit to EH Grand main menu.
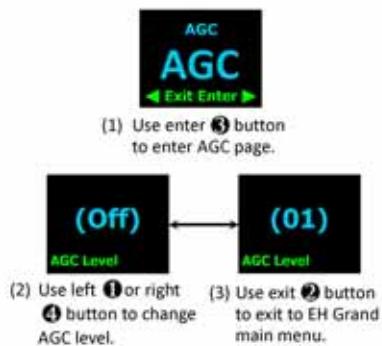
Figure 7: Automatic Gain Control (AGC)

5. Bluetooth (BT)

5.1 Bluetooth ON/OFF

In EH Grand Main Menu, press enter ❸ button for more than 3 seconds, to enter the BT / Radio selection page. Use left ❶ or right ❹ button to choose BT, then press enter ❸ button to switch on / off BT. If BT is switched on successfully, the BT icon will be displayed at the upper side of OLED display.

(1) Bluetooth / Radio selection page.

(2) Bluetooth is Off. (3) Bluetooth is On.
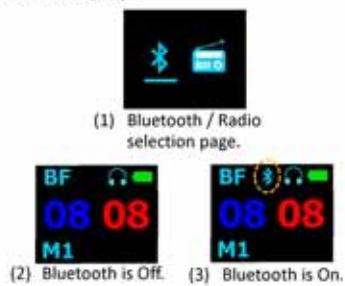
Figure 8: Bluetooth ON/OFF

(**Note**: In order not to affect Hearing Test, BT will be powered off automatically in Hearing Test page. After exiting the Hearing Test, BT will be resumed.)

5.2   BT Device Pairing Up

5.2.1   First Connection

(i)   Turn on EH Grand Bluetooth.
(ii) In your BT device, search and pair "EasyHear Grand".
(iii) After successful connection, the BT icon will be replaced by the BT Phone ▮ icon.

(Note: In order to save power, EH Grand BT pairing function will last for 3 minutes only.   If user fails to connect his/her BT device within 3 minutes, please switch off and on EH Grand BT once and repeat the above pairing process.)

(1) Bluetooth is switched on.   (2) BT device is connected successfully
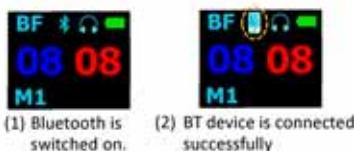
Figure 9: Bluetooth Device Pairing Up

5.2.2   Auto Connection

After the first connection, auto connection with BT device that paired in last time will be made, for every switch on of EH BT.

5.3   Bluetooth Music

In EH Grand Main Menu, choose BT Music and press enter ❸ button to confirm selection.   When user enters BT Music page without switching on BT power, BT will be powered on automatically.   And, search BT device for connection.

When the BT device is connected successfully, user can enjoy any media entertainment through EH Grand, including video soundtracks.

In BT Music page, use enter ❸ button to play or pause your BT music player.   And, you can use left ❶ or right ❹ button to choose previous or next music track.   In addition, you can use ❺ or ❻ button to increase or decrease the music volume level (1 to 10).

Due to the different features of different BT devices, after the first BT connection, the BT music volume may not be resumed at the same volume level as last connection.

If keypad is locked in BT Music page, user
can press ❼ button for 2 seconds to
unlock the keypad.   Or, user can press ❼
button for 4 seconds to unlock and exit
the BT Music page directly.

(1) Use enter ❸ button to confirm
    BT Music selection.

(2) Use enter ❸ button to   (3) Use ❺ or ❻
    play or pause music.   button to increase
    And, use left ❶ or right   or decrease the
    ❹ button to choose   music volume.
   previous or next track.
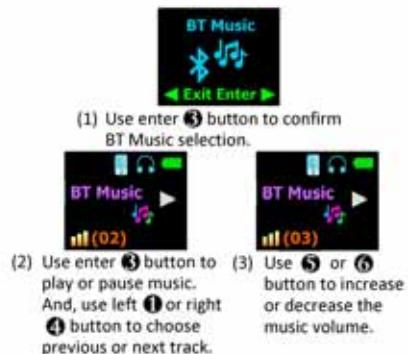
Figure 10: Bluetooth Music

5.4 Bluetooth Phone Call

5.4.1 Phone Call Display

For incoming call, phone call number will be displayed if available. Use left ❶ or right ❹ button to reject or answer phone call.

(1) Use left ❶ or right ❹ button to reject or answer phone call.

(2) Use ❺ or ❻ button to increase or decrease Ringtone (RT) volume.

Figure 11: Bluetooth Phone Call

5.4.2 Volume Control

When phone call is connected, use ❺ or ❻ button to increase or decrease the phone call volume. And, use left ❶ button to end the phone call.

(1) Use ❺ or ❻ button to increase or decrease the phone call volume.

(2) Use left ❶ button to end the phone call, or right ❹ button to change voice to BT device or EH Grand.

Figure 12: Bluetooth Phone Call Control

6. Radio

6.1 Radio On

In EH Grand Main Menu, press enter ❸ button for more than 3 seconds, to enter the BT / Radio selection page.   Use left ❶ or right ❹ button to choose Radio, then press enter ❸ button to switch on Radio.   Or, choose "Radio" in Main Menu selection page, and press enter ❸ button to confirm selection.

(1) "Bluetooth / Radio Selection Page" or "Radio Page" in Main Menu.

(2) Use left ❶ or right ❹ button to select "Seek Mode" or "Preset Mode", then press enter ❸ button to confirm selection

Radio Seek Mode   Radio Preset
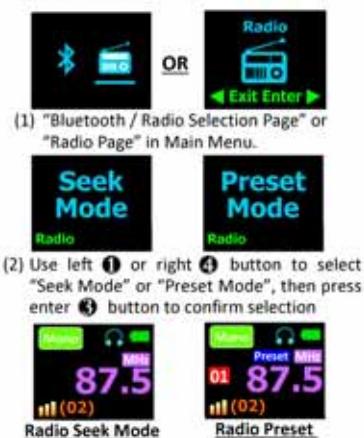
Figure 13: Radio On

6.2   Seek Mode

FM radio frequency ranges from 87.5 to
107.9MHz.   User can use right ❹ or left
❶ button to tune up or down the radio
frequency in a step of 0.1MHz.   And, use
❺ or ❻ button to increase or decrease
the radio volume level (1 to 30).

(1) Use right ❹ or left ❶ button to tune up or down
the radio frequency. And, use ❺ or ❻ button to
increase or decrease the radio volume.

Figure 14: Radio Control

In Radio page, press left ❶ or right ❹
button for more than 3 seconds, EH will
seek down or up to the valid radio channel
automatically.

(1) Press left ❶ or right ❹ button for more than
3 seconds to seek down or up to the valid
radio channel automatically.

Figure 15: Radio Channel Auto Search

User can store the radio channel into memory by pressing enter ❸ button. And, use left ❶ or right ❹ button to choose the memory location (1 to 10), then press enter ❸ button to confirm storage or press exit ❷ button to cancel storage.

(1) Press enter ❸ button to store the radio channel.

(2) Use left ❶ or right ❹ button to choose the memory location, and press enter ❸ button to confirm.

(3) The stored location will be shown in left of the radio channel.

Figure 16: Radio Channel Storage

6.3   Preset Mode

In Radio Preset Mode, use left ❶ or right ❹ button to listen to different stored FM radio channel.   User can press ❺ or ❻ button to increase or decrease the radio volume (1 to 30).   Then, press exit ❷ button to exit radio preset mode.

Figure 17: Radio Preset Mode

(1) Use left ❶ or right ❹ button to choose different radio channel memory locations.

(2) Use ❺ or ❻ button to increase or decrease radio volume.

7. Tinnitus

Select Tinnitus in EH Grand main menu, and use enter ❸ button to confirm selection.

In Tinnitus page, use left or right button (❶ or ❹) to choose previous or next tinnitus sound, and use enter ❸ button to play or pause the tinnitus sound. In addition, user can use ❺ or ❻ button to increase or decrease the sound volume (1 to 20).

(1) Use enter ❸ button to select Tinnitus.

(2) Use enter ❸ button to play or pause Tinnitus sound. And, use left ❶ or right ❹ button to select previous or next sound.

(3) Use ❺ or ❻ button to increase or decrease the sound volume (Level 1 to 20).
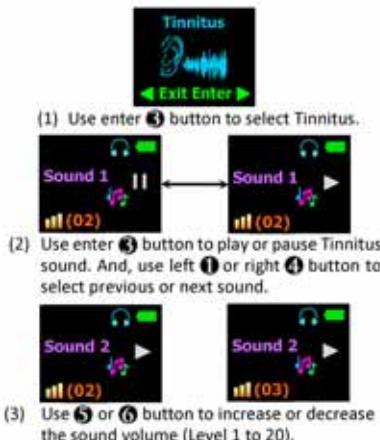
Figure 18: Tinnitus

Tinnitus function aims at reducing the effects caused from tinnitus, and making users' ears feel comfortable. It does not contain any therapy function. User should choose the appropriate tinnitus sound at suitable volume level, according to his/her own tinnitus level.

(**Note**: If battery level is low, user cannot enter Tinnitus page. If battery drops to low level after entering Tinnitus page, EH Grand will exit Tinnitus automatically. And, EH Grand will remind user to charge the battery.)

8. Hearing Test

8.1   Hearing Test Start

In EH Grand main menu, select Hearing Test and use enter ❸ button to confirm selection.   If battery level is low, user cannot enter Hearing Test.   EH Grand will remind user to charge the battery.

In Hearing Test page, press ❸ button to start the Hearing Test.   Hearing test for left ear will be carried out first.   Sound with different frequencies and different sound pressure levels will be outputted. If user can hear the sound at left ear, press ❸ button to confirm.   Hearing test for right ear will be followed once left ear testing is finished.   If user can hear the sound at right ear, press ❸ button to confirm.

When hearing test for both left and right ears is completed, the testing result will be displayed and stored in Result 1 automatically.

(1) Use enter ⬧ button to confirm selection of Hearing Test.

(2) Press enter ⬧ button to start the hearing test. Left ear test will start first.

(3) Press ⬧ button if you can hear any beep sound. Test will then move to next frequency.

(4) Test for left ear will be followed by right ear test. Test result will be displayed once after the test is completed.
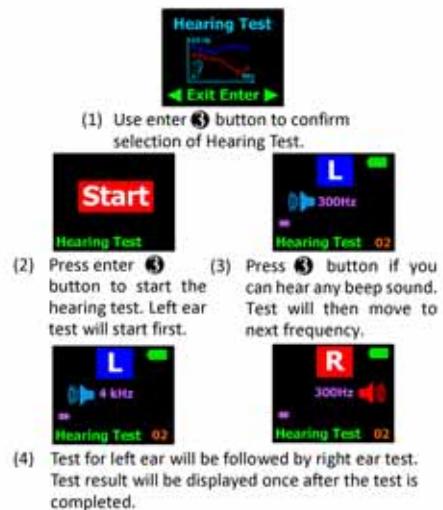
Figure 19: Hearing Test

In order not to affect Hearing Test, the low battery "Do Do" alert sound will be disabled and BT power will be switched off. All functions will be resumed after user exits the Hearing Test page.

Notes:

(1) Please carry out the hearing test alone in a quiet environment, to avoid disturbance. The quieter the environment, the more accurate the hearing test result.

(2) To guarantee the most accurate result, please ensure the earbuds are fully inserted into the ears when wearing the earphones.

(3) User should be healthy and relaxed during the hearing test.

(4) If unwell e.g. cold or flu, please do not conduct hearing test.

(5) Please turn off mobile phone before the test, to avoid disturbance.

(6) Please perform the hearing test at least twice, to familiarize with the testing procedure. Use only the latest hearing test result.

(7) Hearing test result is for reference only. Error is around +/- 5 dBHL.

8.2 Hearing Test Result

Hearing Test result will be displayed in three different formats: (1) list out the detailed hearing level figures of user, (2) left ear hearing profile plot and (3) right ear hearing profile plot. Use left ❶ or right ❹ button to change the hearing test result format.

(1) Detailed hearing figures of test result.
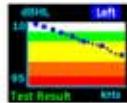
(2) Left ear hearing profile plot.
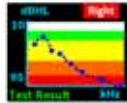
(3) Right ear hearing profile plot.

Figure 20: Hearing Test Result

User can press ❷ button to exit Hearing Test page, and choose whether apply the hearing test result to EH Grand or not. If user chooses to apply the result, the EH Grand volume level and EQ settings will be adjusted according to the hearing test result automatically.

User can choose the EQ store position as they want (Mode 1 to 4), and can apply the corresponding settings to EH Grand in Equalizer page.

(1) Press ❷ to exit Hearing Test. Press ❶ or ❹ buttons to choose whether to apply the hearing test result or not. Press ❸ to confirm the selection.

(2) If user chooses applying the hearing test result, press ❶ or ❹ button to choose the EQ store position, then press ❸ to confirm the selection and exit.

Figure 21: Apply Hearing Test Result and Store

(**Note:** In order to protect users' hearing, the volume and equalizer settings adjusted according to the Hearing Test result have an upper limit.   User many need to fine tune the settings, in order to achieve the best hearing effect.   Please contact the hearing consultant if need.)

8.3   Recall Result

(1) In Hearing Test page, use left ❶ or right ❹ button to choose "Start", "Recall Result" or "HL Index", and use enter ❸ button to confirm selection or use exit ❷ button to return to main menu.

(2) Use enter ❸ button to recall previous hearing test result.

(3) User can recall up to 4 past hearing test results. Result 1 is the latest one and Result 4 is the oldest one.
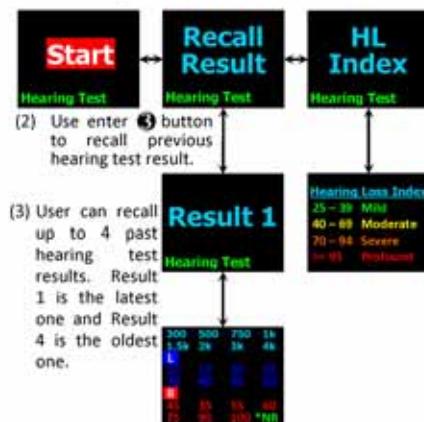
Figure 22: Recall Hearing Test Result

8.4   Hearing Loss Index

Hearing Test result indicates the hearing loss level of user.   Generally, hearing loss level can be classified into **Normal**, **Mild**, **Moderate**, **Severe** and **Profound**.

In Hearing Test result, user can use his/her hearing loss value [dBHL] to identify his/her hearing loss level, according to the following hearing loss index table.

Hearing Loss [dBHL]	Hearing Loss Level
10 – 24	Normal
25 – 39	Mild
40 – 69	Moderate
70 – 94	Severe
>= 95	Profound

Table 3: Hearing Loss Index

In Hearing Test result plot, green area represents Mild, yellow area represents Moderate, orange area represents Severe and red area represents Profound.   In addition, *NR represents No Response from user at that frequency sound.

9. Settings

In Main menu, choose "Settings" and confirm selection by using enter ❸ button. In Settings menu, there are 3 items for selection, "Language", "Lock Mode" and "Brightness". User can use left ❶ or right ❹ button to select item and press enter ❸ button to confirm selection.

(1) In Settings page, use enter ❸ button to confirm selection.

(2) Use left ❶ or right ❹ button to select different items, and press enter ❸ button to confirm.
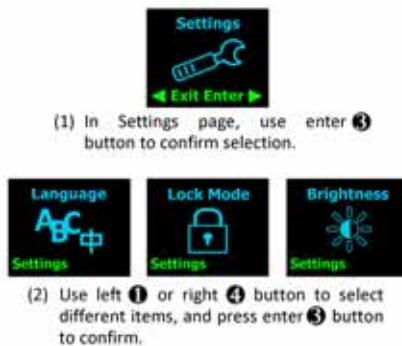
Figure 23: Tool Selection

9.1 Language

Select "Language" in Settings menu, use enter ❸ button to confirm selection. User can press left ❶ or right ❹ button to choose different display languages. The selected language will be applied to EH Grand immediately. Use exit ❷ button to exit to EH Grand main menu.


(1) Use enter ❸ button to confirm "Language" selection.

(2) Use left ❶ or right ❹ button to change display language. Press ❷ button to exit.
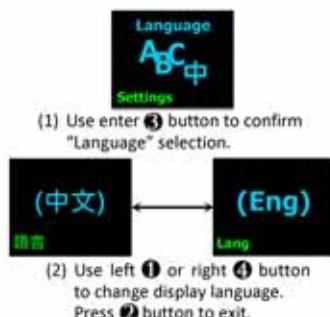
Figure 24: Language Selection

9.2   Lock Mode

Select "Lock Mode" in Settings menu, use enter ❸ button to confirm selection. Use left or right (❶ / ❹) button to switch On or Off lock mode and press exit ❷ button to exit.

When lock mode is on, user can only increase / decrease the EH Grand volume by at most 3 levels.   They cannot change or adjust the EQ settings.   And, Hearing Test result cannot be applied to EQ and volume.   In main menu, "**LM**" will be displayed in the lower left corner.

(1) Use ❸ button to confirm selection of "Lock Mode".

(2) Use left ❶ or right ❹ button to switch on or off LM.

Normal Mode   Lock Mode
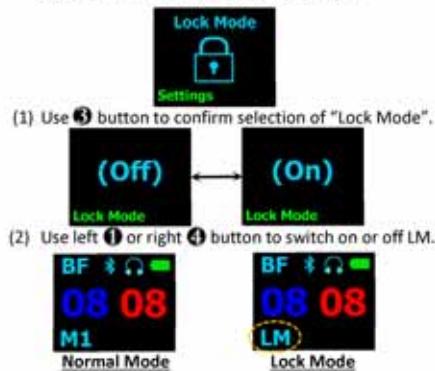
Figure 25: Lock Mode

9.3   Brightness

Select Brightness in Settings page, and press enter ❸ button to confirm selection. Use left ❶ or right ❹ button to select different brightness levels (1 to 4).   1 is the darkest (most power efficient) and 4 is the brightest (least power efficient).   The brightness level will be applied to the display immediately.   Finally, press exit ❷ button to exit.

(1)   Use enter ❸ button to confirm selection of Brightness.

(2)   Use left ❶ or right ❹ button to change the brightness level, and press exit ❷ button to exit.
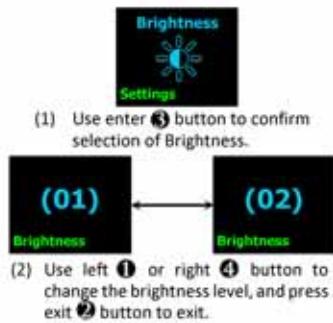
Figure 26: Brightness Setting

10. Keypad Lock & Unlock

EH Grand will lock the keypad after it is lit for approximately 30 seconds, in order to save power. Or, user can lock the keypad by pressing ❼ button for more than 1 second. When keypad is locked, the lock icon will be displayed at the lower right corner. User can press ❼ button for more than 2 seconds to unlock the keypad.

Keypad is unlocked.

(1) Press ❼ button to lock or unlock the keypad.
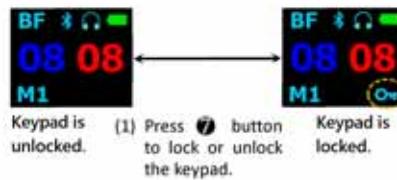
Keypad is locked.

Figure 27: Keypad Lock and Unlock

If keypad is locked in EH Grand Main Menu, user can still use ❾ button to change BF/NC operation mode.

11. Battery Charging

If USB charging cable is inserted, the battery charging icon will be displayed at the upper right corner.   The battery charging icon will flash when battery is charging, and it will stop flashing when the battery is fully charged. The battery icon will be displayed again when the charging cable is detached.

(1) Battery is charging, battery charging icon will flash.

(2) When charging is completed, the full battery charging icon will be displayed.

(3) When charging cable is detached, the battery icon will be displayed.
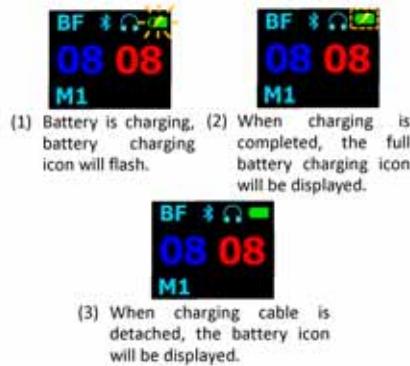
Figure 28: Battery Charging Display

Troubleshooting

Problem(s)	Suggested Solution(s)
No display is shown when power is on.	(a) Re-insert the battery and power on EH Grand again. (b) Battery is empty, recharge the battery.
EH Grand Earphone cable cannot be detected.	(a) Power off & on the EH Grand and re-plug in the EH Grand cable.
EH Grand powers off automatically.	(a) Battery level is too low. Recharge the battery or replace with a fully charged battery.
BT connection fails.	(a) Turn on the BT function of EH Grand before switching on the pair-up function on your BT device. (b) EH Grand BT pairing time is over. Please switch off and on EH Grand BT, and reconnect your BT device with EH Grand again.

BT function cannot work properly.	(a) In your BT device, unpair EH Grand. Turn off and on BT in EH Grand once. Finally, reconnect your BT device with EH Grand again.
No sound output.	(a) Make sure the Earphone cable is plugged in completely. (b) Volume is too low, adjust the volume. (c) Battery is empty, recharge the battery.
Charge indicator is not shown when USB cable is connected.	(a) Check the USB connection between EH Grand and PC / power adapter. (b) Make sure EH Grand power is on.

Note: EH Grand can still be charged with power switch in OFF position, although the charge indicator will not show up in this case.

Please contact your distributor, if problem(s) cannot be fixed by the above-suggested solutions.

Warning

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

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Additional Safety Information

The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on apparatus.

To completely disconnect the power input, the AC/DC adaptor of apparatus shall be disconnected from the mains.

The disconnect device is the AC/DC adaptor of apparatus. The AC/DC adaptor of apparatus should not be obstructed OR should be easily accessed during intended use.

Battery shall not be exposed to excessive heat such as sunshine, fire or the like.

Excessive sound pressure from earphones or headphones can cause hearing loss.

Declaimer

Logital Co. Limited does not assume any liability, obligation or legal responsibility for any damage to the hearing or any other bodily harm whatsoever that using EH Grand may have caused to the users.   Users are strongly advised to read and are supposed to have read this User Manual with care.