

WMA-D600 DIGITAL WIRELESS MIC AMPLIFIER

OWNERS' MANUAL



THIS MANUAL MAY NOT SHOW THE PRODUCTS AS ACCURATELY AS THE ACTUAL PRODUCTS DUE TO PRINTING REASONS. THE COMPANY RESERVES THE RIGHT TO CHANGE PRODUCT SPECIFICATIONS WITHOUT PRIOR NOTICE.

VERSION: 1.0

SAFETY NOTICE:

1. Read this manual.
2. Keep this manual.
3. Pay attention to all warnings.
4. Follow all the operations in this manual.
5. Do not use this device in areas near water.
6. Clean this device only with a dry cloth.

7. Do not block any ventilation holes and strictly follow the manufacturer's instructions for installation and use.

8. Do not install the device close to heat sources such as electric heaters, stoves, radiators, or other devices that generate heat.

9. Do not damage polarity or grounding plugs that have safety functions. The polarity plug has two tabs, one of which is larger

The wide and grounded plug has two blades and one grounding pin, which are used to ensure your safety. If the provided plug is not suitable for your socket, please contact an electrician to replace it with a suitable socket.

10. Protect the power cord from being stepped on or twisted. Pay special attention to protecting plugs, portable sockets, and connect the power cord to the device.

11. Use only accessories or options specified by the manufacturer.

12. Only use vehicles, brackets, tripods, stands, or work designated by the manufacturer or sold with this device. The platform. When using carts to transport equipment, special attention should be paid to the carts and equipment to avoid tipping over and causing injury.

13. When there is lightning or when the device is not in use for a long time, please unplug the plug.

14. All maintenance services must be provided by qualified maintenance personnel. When the equipment is damaged by any form of trolley transportation warning, such as power cord or plug damage, liquid or foreign objects falling into the interior of the equipment, being exposed to rain or moisture, unable to function properly, or being hit, it needs to be repaired.

15. Do not place the device in areas that are prone to dripping or spraying. Do not place objects (vases, etc.) containing liquids on the equipment. The maximum indoor ambient temperature for the equipment is 45 ° C.



⚠ WARNING: This device must be connected to a power outlet with grounding protection! The cables in the power cord are distinguished by the following colors: [yellow green- ground wire] [blue-neutral wire] [brown - live wire] If the color identification of the cable in the device power cord is inconsistent with the color identification of the terminal in the required power plug, please follow the following steps:

Connect the yellow green cable in the device power cord to the terminal marked with E, or ground symbol, or green or yellow green on the power plug. Connect the blue cable in the device power cord to the N or black terminal marked on the power plug; Connect the brown cable in the device power cord to the terminal marked with L or red on the power plug.

According to the power supply situation at the installation site, this equipment may require different power cords or connection plugs. If you need to replace the connector plug, please consult qualified professionals and refer to the relevant information in the table below. The yellow and green wires must be connected to the equipment chassis.

⚠ WARNING: If the grounding protection is poor, the connected equipment or system may malfunction and cause full load line voltage between the equipment chassis and the ground. Once personnel come into contact with both the chassis and the ground at the same time, it can cause serious injury or even death.

LEAD		CABLE COLOR	
		UNIVERSAL STANDARD	OTHER STANDARDS
L	Firing line	Brown	Black
N	Zero line	Blue	White
E	Ground wire	Green/Yellow	Green

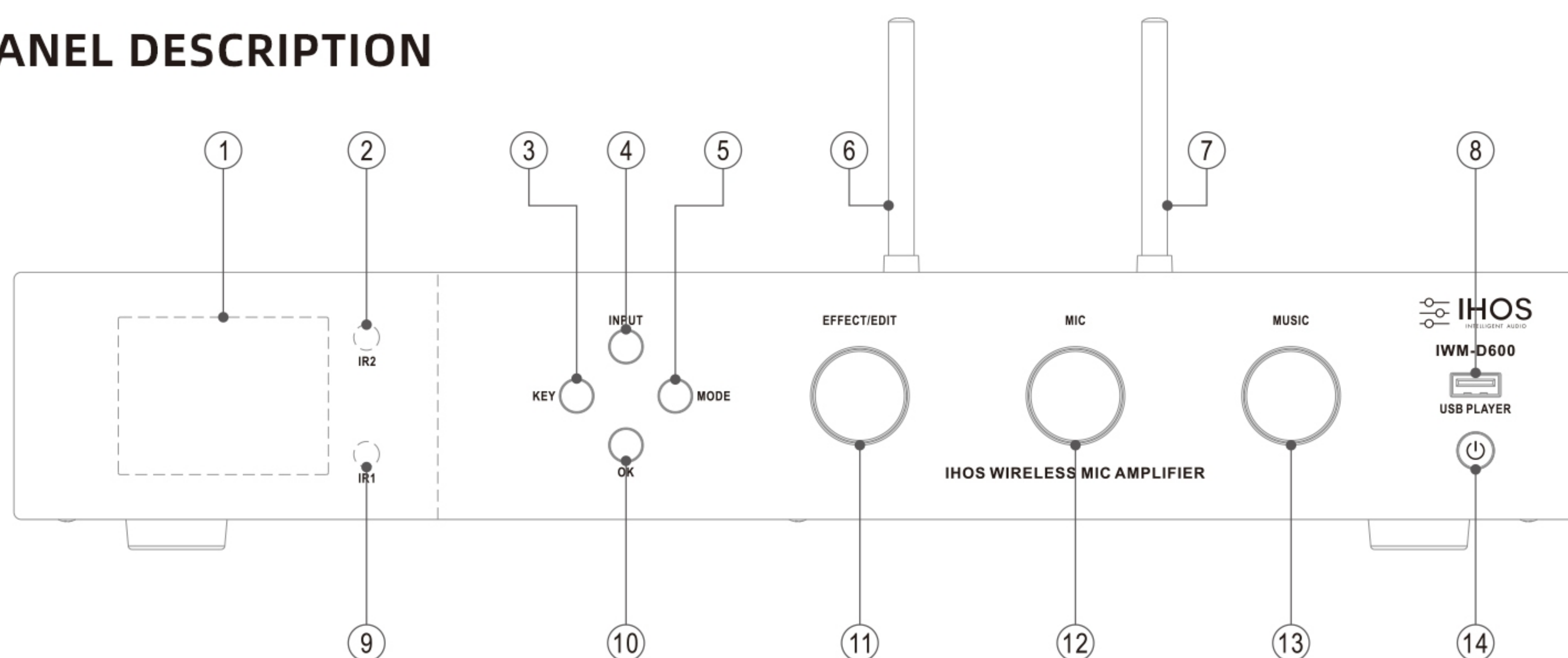
CATALOGUE

SAFETY NOTICE	1
FUNCTIONAL CHARACTERISTICS	3
PANEL DESCRIPTION	3
BACKPLANE SPECIFICATION	4
MAIN SCREEN DESCRIPTION	4
OPERATION INSTRUCTION	5
1. MASTER VOLUME ADJUSTMENT	5
2. SELECT A MUSIC INPUT CHANNEL	5
3. SET THE BOOT MODE	5
4. BLUETOOTH PLAYBACK	5
5. USB MUSIC PLAYBACK	5
6. PATTERN INVOCATION AND SAVING	5
7. BUILT-IN WIRELESS MICROPHONE SETTINGS	5
8. PANEL KEY LOCK SETTINGS	6
9. RESTORE FACTORY SETTINGS	6
10. SYSTEM SETTINGS	6
11. MUSIC SETTINGS	7
12. MICROPHONE SETTINGS	8
13. EFFECT SETTINGS	8
14. RS232 INTERFACE PROTOCOL	9
SPECIFICATION PARAMETER	10
AFTER-SALES SERVICE AND ACCESSORIES	11

FUNCTIONAL CHARACTERISTICS

1. Two-channel high-power output, single-channel 600W;
2. Circuit simple input, located in the rear panel, for external wireless microphone or wired microphone;
3. Two analog audio inputs (RCA socket);
4. Two in and one out HDMI HD interface, with ARC return;
5. REC/SUB(recording/subwoofer) and a set of stereo AUX auxiliary audio output interfaces;
6. Built-in two-channel wireless brief module, support two wireless microphones used at the same time, the frequency is adjustable, the volume of each channel can be adjusted separately;
7. Built-in Bluetooth module, can be connected to Bluetooth devices such as the computer for music playback, while supporting U disk music file playback;
8. Brightness adjustable 2.8 inch large color screen, operation information day;
9. Multi-stage adjustable music input tone;
10. The microphone input is equipped with 3-level digital frequency shift whistling suppression;
11. There are two boot modes: button boot and power-on boot;
12. Music. Microphone and effect boot volume setting and maximum volume locking function, can set the boot effect mode;
13. 15 paragraphs of parametric balance are set for both music and text;
- 14 Using CLASS D digital power amplifier technology, to provide strong energy, stable work, high efficiency and energy saving;
15. A variety of user definable effect modes;
16. The system positive reactance matching can be set to 4 or 8 euros according to the rated impedance of the external speaker, so that the equipment can promote the work of the speaker in the most live state;
17. Set up RS232 interface with 3.5mm socket, which can be controlled with intelligent devices such as karaoke machine;
18. Support PC online debugging, fast and efficient.

PANEL DESCRIPTION

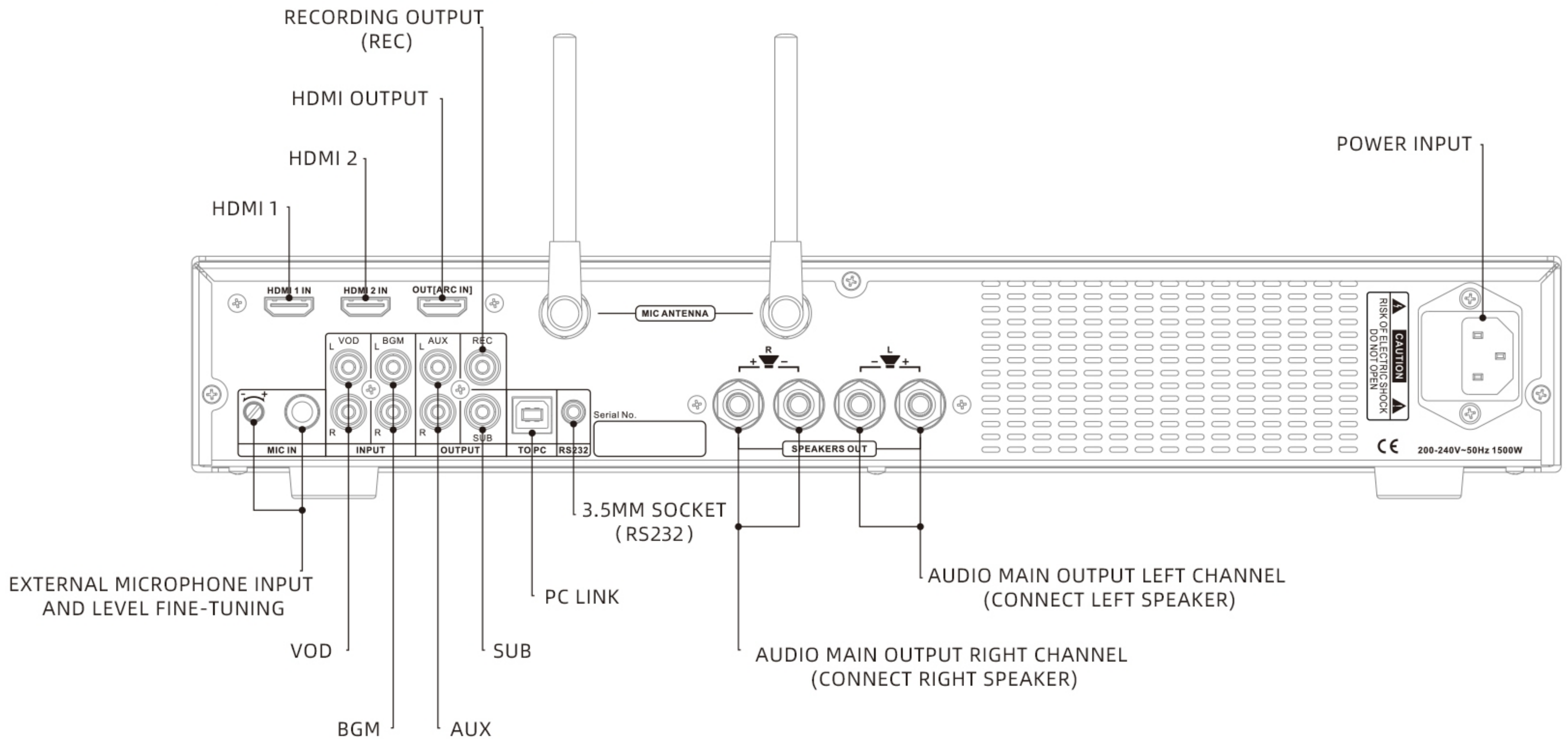


- ①— Display screen: display information such as the working status and setting menu of the device
- ②— Infrared frequency window IR2: Used to receive the infrared frequency signal of the built-in wireless microphone
- ③— [KEY] button : (valid only when music is playing) Press. The tone change indicator keeps blinking. Turn the [EFFECT/EDIT] knob to set the change values, and press the [EFFECT/EDIT] knob to confirm and exit
- ④— [INPUT] keys : Press the input indicator icon continuously blinking, then rotate the [EFFECT/EDIT] knob to change the input. Open press the [EFFECT/EDIT] knob to confirm and exit
- ⑤— [MODE] Presses the button
Tap: The mode indicator blinks continuously rotate the [EFFECT/EDIT] knob to select the mode you want to call, and tap the [EFFECT/EDIT] knob to confirm and exit. Press : and hold to enter the Save mode screen
- ⑥— Built-in wireless speaker A antenna: make the signal transmission of wireless microphone A more stable and expand the transmission distance
- ⑦— Built-in wireless speaker b antenna: make the signal transmission of wireless microphone b more stable and expand the transmission distance
- ⑧— Music USB flash drive jack: Insert the music USB flash drive: and switch the input to USB/BT, you can play music on the music USB flash drive
- ⑨— Infrared remote control receiving window IR1: Used to receive infrared remote control signals
- ⑩— [OK] Button
On the Settings screen: Tap to confirm and return to the upper screen
In the main screen (USB playback) : Press -- to enter the MP3 playback screen
Under the MP3 player interface: Press -- to return to the main interface

- ⑪ [EFFECT/EDIT] knob
 - Under the main interface
 - 1) Rotation: Adjust the effect volume directly
 - 2) Tap: Enter the effect setting interface
 - 3) Long press: The effect is muted, and long press again to unmute
 - Under the setting interface
 - 1) Rotate (when the parameter item is not activated): Navigate up or down menu options
 - Rotation (when the parameter is active): Adjusts the parameter values
 - 2) Tap: Activate the parameter (turns orange), and tap again to exit the activation
 - 3) Long press: Confirm and return to the main screen

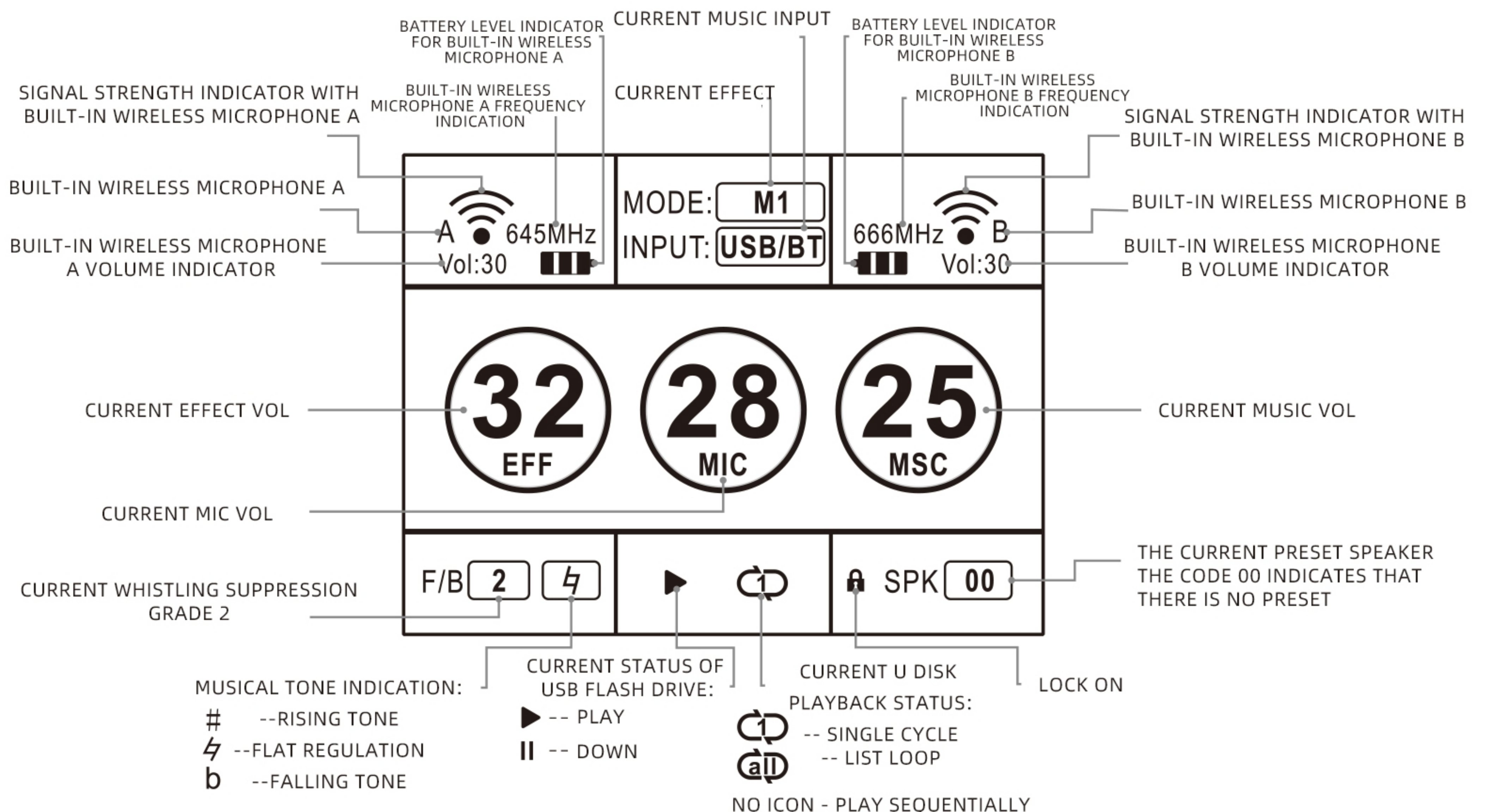
- ⑫ [MIC] knob
 - 1) Rotation: directly adjust the microphone volume
 - 2) Short press: enter the microphone setting interface
 - 3) Long press: mute the microphone, and long press again to unmute it
- ⑬ [MUSIC] Knob
 - 1) Rotation: Directly adjust the music volume
 - 2) Tap to enter the music setting screen
 - 3) Long press: Mute the music, and long press again to unmute it
- ⑭ [STAND-BY] button: Short press to switch between standby and power-on cycle, standby
- When flashing, often bright on the boot

BACKPLANE SPECIFICATION



MAIN SCREEN DESCRIPTION

AFTER STARTUP INITIALIZATION OR NO OPERATION FOR A LONG TIME, THE MACHINE WILL AUTOMATICALLY ENTER THE MAIN INTERFACE, AS SHOWN IN THE FOLLOWING FIGURE



OPERATION INSTRUCTION

1. MASTER VOLUME ADJUSTMENT

EFFECT Volume Adjustment --1) In the main screen, turn the [EFFECT/EDIT] knob to directly change the volume of the current effect

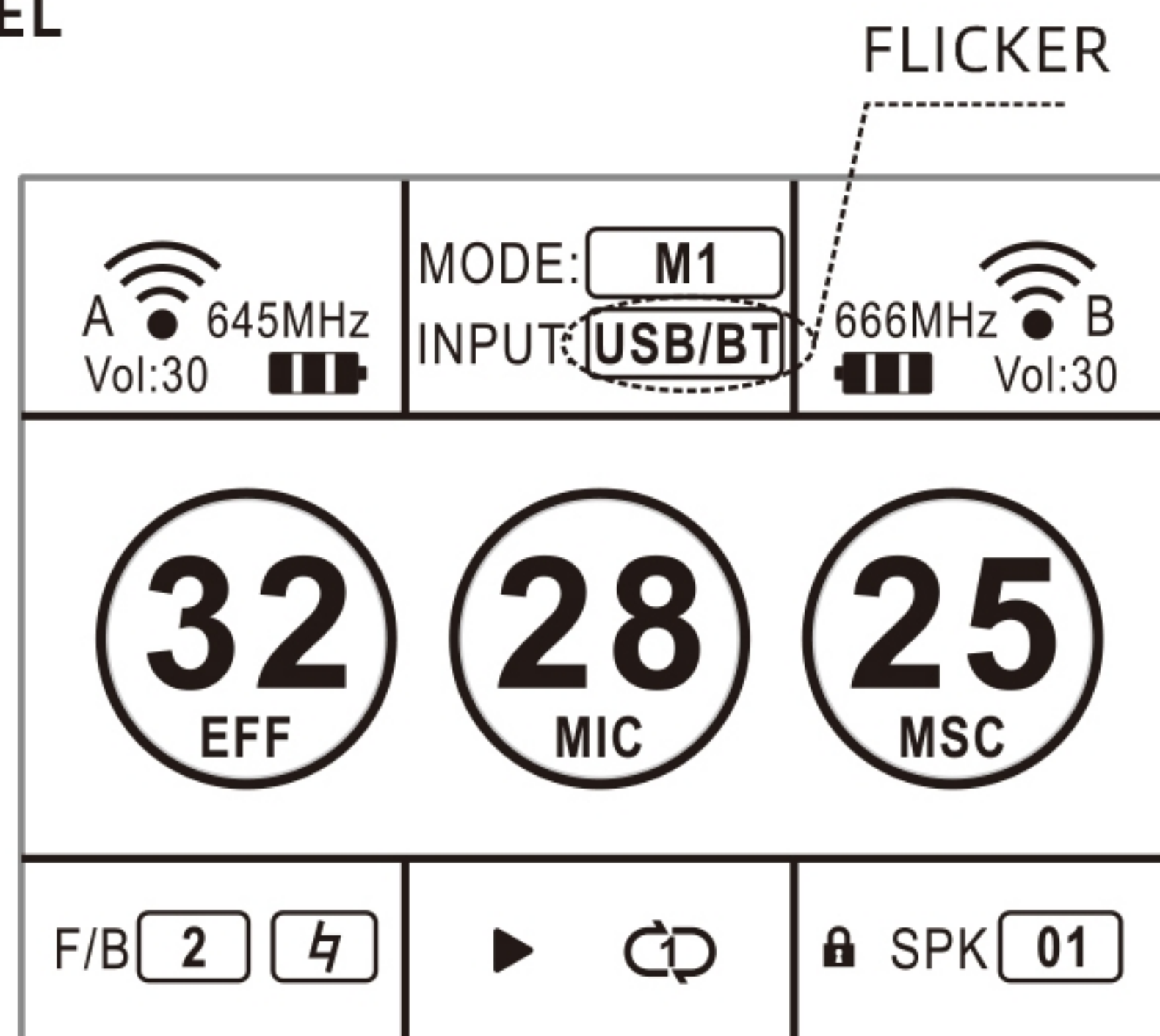
2) In the setting interface, long press the [EFFECT/EDIT] knob to return to the main interface, then rotate the [EFFECT/EDIT] knob to adjust the volume of the current effect

Microphone volume adjustment ---- Turn the [MIC] knob to directly change the volume of the current microphone

MUSIC volume adjustment - Turn the [MUSIC] knob to directly change the current music volume

2. SELECT A MUSIC (SOUND SOURCE) INPUT CHANNEL

Press the [INPUT] button, and the music input indicator on the main interface will keep flashing, as shown in the picture on the right. At this time, rotate [EFFECT/EDIT] to select the music channel to be input, press the [EFFECT/EDIT] knob to confirm and return to the main interface. Native music input channels are: VOD, BGM, USB/BT, HDMI1, HDMI2 and ARC, a total of six, including USB display and bluetooth play share "USB/BT" channel, when inserted into the music U disk first play the music on the U disk files. Note: When switching between input audio sources, it is recommended to lower the volume of music first to avoid larger sounds due to different audio sources.



INPUT CHOOSE

3. DESIGN THE BOOT MODE

Press and hold the [OK] and [INPUT] buttons at the same time, the display displays "Push button to start" or "Power on to start", and switches to the button power mode or power on mode. Push button to start: Press the front panel after connecting to the power supply. The [STAND-BY] button in the lower right can activate the device. Power on to start: indicates that the device automatically starts after being connected to the power supply

4. BLUETOOTH PLAYBACK

1) Long press the [MIC] and [MUSIC] knobs at the same time to enter the system setting interface, and set the Bluetooth switch to the "ON" option (that is, turn on the Bluetooth switch).

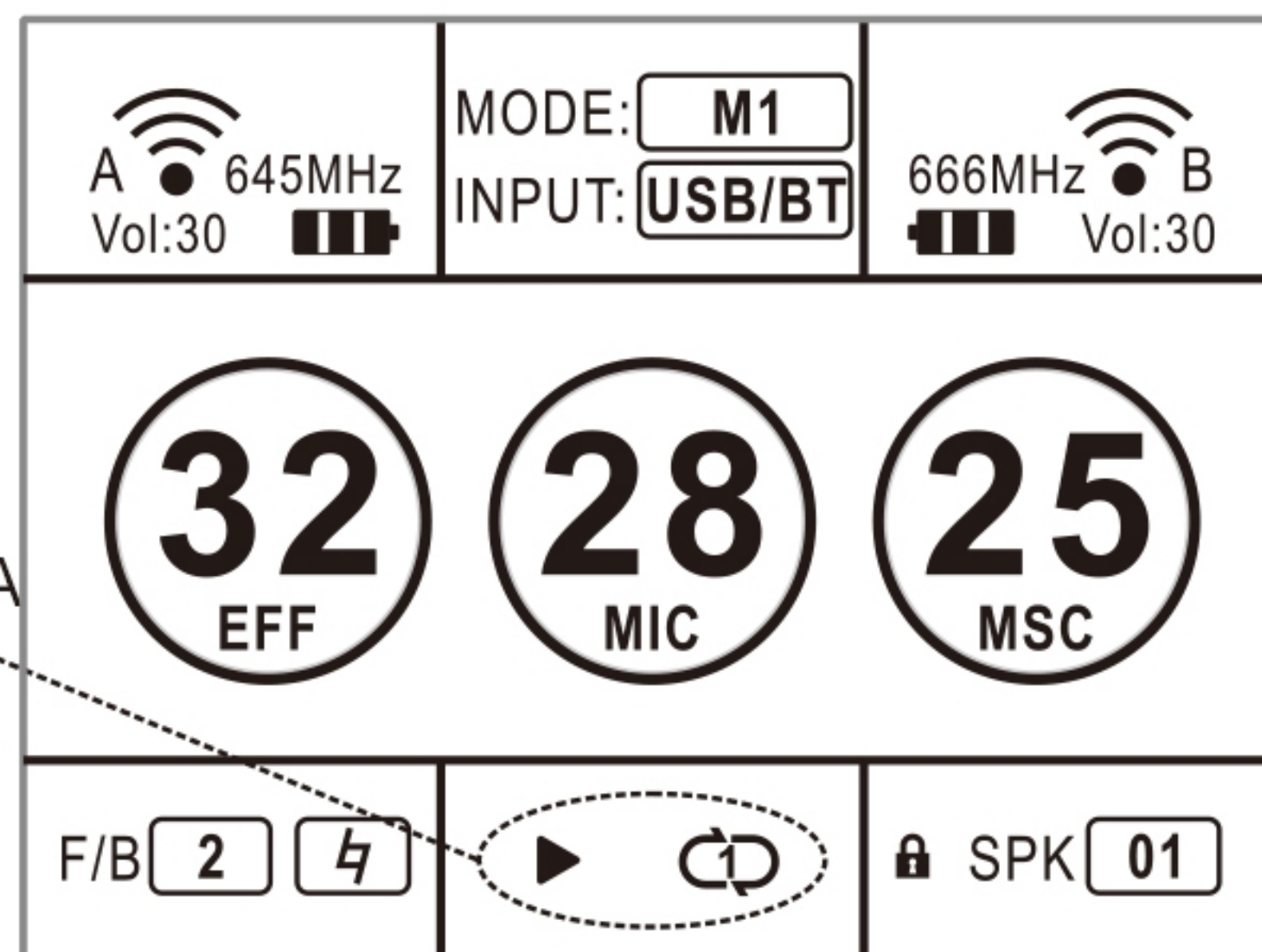
2) After the music input channel is selected USB/BT, search the Bluetooth "IWM-D600" with the mobile phone and establish a connection to play the music on the mobile phone.

Note: Since local USB playback and Bluetooth playback share the same input channel, when using Bluetooth playback, please do not insert the USB flash drive into the USB port on the front panel of the unit. Otherwise, the music on the USB will be played first.

5. USB MUSIC PLAYBACK

After selecting USB/BT for music input channel, insert the music U disk into the USB port on the front panel of the unit, which will automatically play, and the corresponding playback information will be displayed on the main interface, as shown in the following figure. On the home screen, press the [OK] key to enter the USB playback operation screen, and press the [OK] key again to return to the home screen.

Audio file format requirements :MP3,WAV,APE,FLAC,WMA
 Usb flash drive file system requirements :FAT16,FAT32,EXFAT/
 Fat64 Maximum capacity of a USB flash drive :32 GB



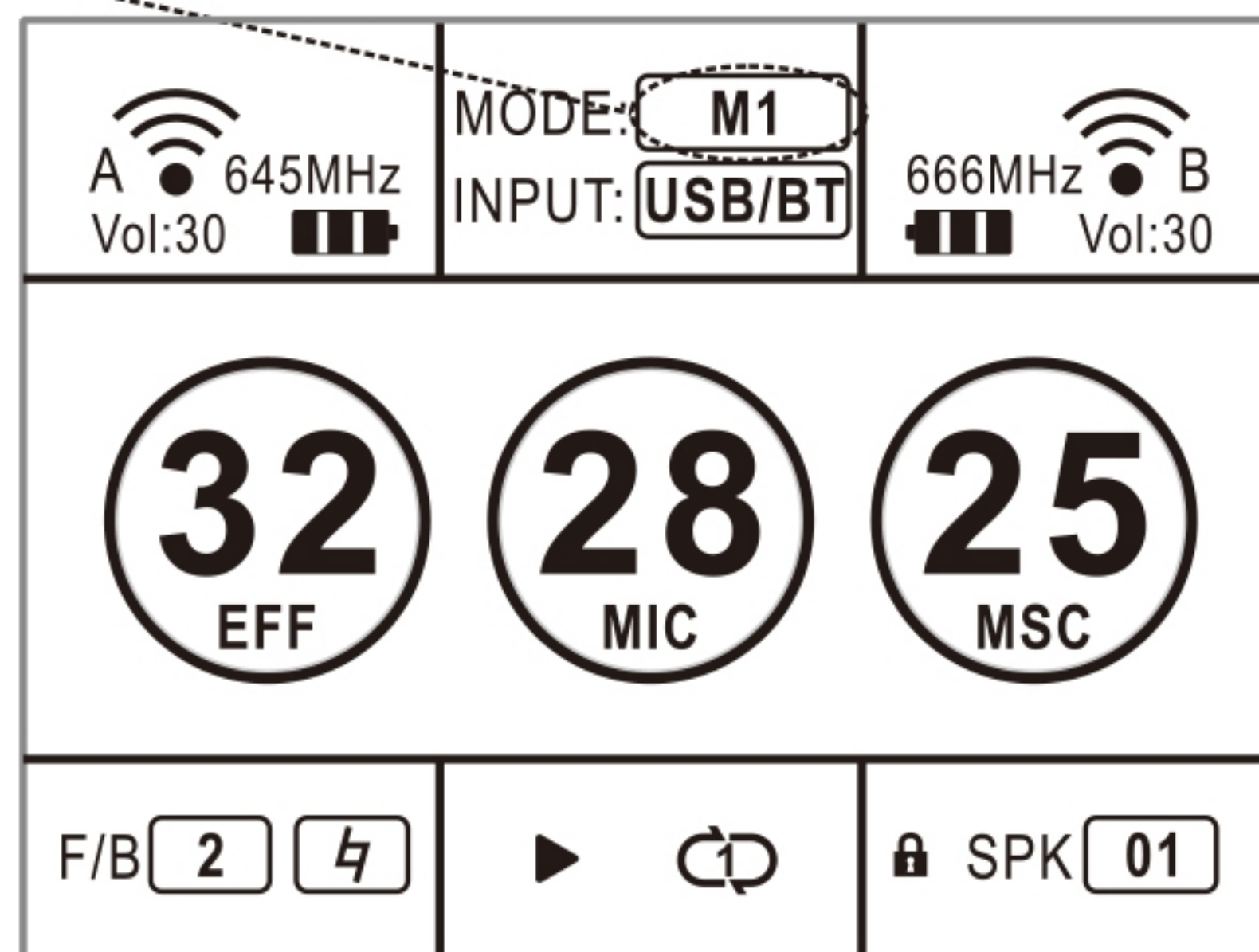
USB PLAY

6. PATTERN INVOCATION AND SAVING

MODE Call -- Press the [MODE] key to display the mode name on the main screen. Constantly flashing, as shown in the lower right image. Turn the [EFFECT/EDIT] knob. Select the mode you want to invoke and press the [EFFECT/EDIT] button to confirm and return to the main screen. Save MODE -- Hold down the [MODE] key. The current screen is displayed on the home screen "data save to M01" prompt text, then rotate the [EFFECT/EDIT] knob to select the mode to be saved, then press the [EFFECT/EDIT] knob to confirm, the device will automatically save the data and return to the main interface, at the same time set the mode to the current mode and display it on the main interface.

7. BUILT-IN WIRELESS MICROPHONE

1. Wireless microphone and host frequency matching (pairing)
 a) After loading the battery into the microphone, press the button on the microphone to turn on the handheld microphone. After the microphone is turned on, long press the button on the microphone to close it);
 b) Align the area between the microphone display and the button at a close distance with the infrared receiver window IR2 of the wireless microphone on the host



MODE

c) Press and hold down the **[MIC]** and **[MUSIC]** knobs on the host at the same time to enter the system setting interface, rotate the **[EFFECT/EDIT]** knob to select the option "MICA SYNC" and press the **[EFFECT/EDIT]** knob. At this time, "Synchronizingn..." will pop up on the host display. ", and automatically pair with the microphone, after successful pairing, the host will display the paired frequency. Information such as signal strength and battery power of the microphone. If the pairing fails, no information such as signal strength and battery power will be displayed on the main interface.

Note: The above operation is to pair the wireless microphone with the built-in microphone A channel, to pair with the microphone B channel, just select "MICBSYNC "in the system Settings screenOption. Other operations are similar.

Note: The frequency of the built-in wireless microphone channel A is 641.00MHZ~665.00MHz, a total of 25 channels; Built-in wireless microphone channel B frequency is 666.00MHZ~690.00MHz, a total of 25 channels.

2. Enable or disable auto mute When the microphone is turned on, long press the power button of the microphone, then the hand will automatically shut

down, do not let go, continue to press the power button of the microphone until the microphone is displayed

The screen lights up again, and displays "g of(auto mute off) or "g on"(auto mute on), and then automatically closes, the setting is complete.

Attention:

1) After the automatic mute is turned on, stand on the desktop for about 5 seconds, the microphone will enter the automatic mute state. In the auto mute state for about 5 minutes, the microphone will automatically turn off Airplane.

2) After the automatic mute is turned off, the microphone will not enter the automatic mute state, nor will it automatically shut down.

8. PANEL LOCK SETTINGS

At the same time, long press the **[INPUT]+[KEY]** key, and the text prompt "Front Pannel Buttons Lock" will pop up on the display screen, indicating that the panel key lock is enabled. In this case, all the buttons and buttons on the front panel are invalid.

At the same time, the screen will pop up "Front PannelButonsLock" text prompt. Press and hold **[iNPUTL+[KEY]** again. Front Pannel Buttons Unlock is displayed, indicating that the panel key lock is unlocked.

9. RESTORE FACTORY SETTINGS

At the same time, press and hold down the **[INPUT]+[MODE]** key to power on the device. The device automatically enters the factory Settings restoration state, and the Waiting for FactoryRestore message is displayed on the display screen. After the recovery is complete, the device automatically enters the standby state.

10. SYSTEM SETTINGS

At the same time, long press the **[MIC]+[MUSIC]** button to enter the system setting interface, as shown in the right picture. Rotate the **[EFFECT/EDIT]** knob to select the option you want to adjust (the selected option is displayed in yellow), **press** the **[EFFECT/EDIT]** knob to activate the parameter value (the parameter value is displayed in yellow, indicating activation), then rotate the **[EFFECT/EDIT]** knob to adjust the parameter value Press the **[EFFECT/EDIT]** button again to confirm and exit the activation state of the parameter value (the parameter value is displayed in white). Long press the **[EFFECT/EDIT]** button or press the **[OK]** key to return to the main screen

SYSTEM SETTING	
MSC InitVol:	20
MSC MaxVol:	50
MIC InitVol:	40
MIC MaxVol:	55
EFX InitVol:	30
EFX MaxVol:	45
MIC AFE:	2
IR Switch:	Off
Brightness:	2

THE LIST OF OPTIONS FOR SYSTEM SETTINGS IS AS FOLLOWS

SYSTEM SETTINGS

OPTIONS	DESCRIPTION	PARAMETER VALUE RANGE	INSTRUCTIONS
MSC InitVol	SET THE VOLUME OF THE MUSIC WHEN IT IS TURNED ON	0~ MAXIMUM MUSIC LIMIT VOLUME	
MSC MaxVol	SET THE MAXIMUM LIMITING VOLUME FOR YOUR MUSIC	BOOT MUSIC VOLUME ~80	
MIC InitVol	SET THE VOLUME OF THE MICROPHONE WHEN IT IS TURNED ON	0~ MAX MICROPHONE LIMIT VOLUME	
MIC MaxVol	SET THE MAXIMUM LIMITING VOLUME OF THE MICROPHONE	TURN ON THE MICROPHONE VOLUME ~80	
EFX InitVol	SET THE VOLUME OF THE EFFECT WHEN IT IS TURNED ON	0~ MAXIMUM EFFECT LIMIT VOLUME	
EFX MaxVol	SET THE MAXIMUM LIMITING VOLUME OF THE EFFECT	BOOT EFFECT VOLUME ~80	
Mic AFE	SET THE HOWL SUPPRESSION LEVEL OF THE MICROPHONE	Off , 1 , 2 , 3	THE LARGER THE NUMBER, THE BETTER THE ABILITY TO SUPPRESS WHISTLING
IR Switch	TURN ON OR OFF INFRARED REMOTE RECEPTION	On , Off	
Brightness	SET THE BRIGHTNESS OF THE DISPLAY	1 , 2 , 3	THE LARGER THE NUMBER, THE HIGHER THE BRIGHTNESS

TO BE CONTINUED

BROUGHT FORWARD

OPTIONS	DESCRIPTION	PARAMETER VALUE RANGE	INSTRUCTIONS
Init Mode	SET THE PRESET EFFECT MODE AT BOOT TIME	M01~M10	
SPK Model	PRESET SPEAKER MODEL	00~10	
MIC A_Vol	SET THE VOLUME OF WIRELESS MICROPHONE A CHANNEL	0~31	
MIC A_Freq	SET THE FREQUENCY OF WIRELESS MICROPHONE CHANNEL A	641~665M(Hz)	
MIC A_SYNC	ACTIVATE WIRELESS MICROPHONE CHANNEL A TO PAIR WITH THE MICROPHONE		NOTE: PRESS THE [EFFECT/EDIT] BUTTON TO START AND AUTOMATICALLY ENTER THE PAIRING INTERFACE
MIC B_Vol	SET THE VOLUME OF WIRELESS MICROPHONE B CHANNEL	0~31	
MIC B_Freq	SET THE FREQUENCY OF WIRELESS MICROPHONE B CHANNEL	666~690M(Hz)	
MIC B_SYNC	ACTIVATE WIRELESS MICROPHONE B CHANNEL TO PAIR WITH MICROPHONE		NOTE: PRESS THE [EFFECT/EDIT] BUTTON TO START AND AUTOMATICALLY ENTER THE PAIRING INTERFACE
SYS IM	SET THE MATCHING IMPEDANCE TO THE SPEAKER	8 Ohms , 4 Ohms	
BT Switch	TURN BLUETOOTH ON OR OFF	On , Off	
BT Name	RENAME THE BLUETOOTH NAME OF THE UNIT	THE MAXIMUM VALUE IS 10 BYTES	A~Z,0~9,-,_, (FACTORY DEFAULT: IWM-D600)
SYS Ver	DISPLAY FIRMWARE VERSION		

11. MUSIC SETTINGS

Press the [MUSIC] knob to enter the music setting interface, as shown on the right. spin Turn the [EFFECT/EDIT] knob to select the option you want to adjust (the selected option is displayed shown in yellow), press the [EFFECT/EDIT] knob to activate the parameter value (parameter value it appears yellow, indicating active), then rotate the [EFFECT/EDIT] knob To adjust the parameter value, **press** the [EFFECT/EDIT] button again to confirm and exit the parameter Value activation status (parameter values are displayed in white), long press [EFFECT/EDIT] Knob or press the [OK] button to return to the main screen.

MUSIC SETTING	
L_ch Vol:	80
R_ch Vol:	80
Low Cut:	28.4Hz
EQ:	1
Bypass:	Off
Type:	PEQ
Frequency:	25.3Hz
Gain:	0.0dB
Q:	1.0

THE LIST OF OPTIONS FOR MUSIC SETTINGS IS AS FOLLOWS

MUSIC SETTINGS

OPTIONS	DESCRIPTION	PARAMETER VALUE RANGE	INSTRUCTIONS
L_ch Vol	SET THE VOLUME OF THE MAIN OUTPUT LEFT CHANNEL	0~80	
R_ch Vol	SET THE VOLUME OF THE MAIN OUTPUT RIGHT CHANNEL	0~80	
Low Cut	SET THE CUT-OFF FREQUENCY OF THE MUSIC HIGH-PASS FILTER	off , 19.7Hz~303Hz	
EQ	SET THE MUSIC BALANCED SEQUENCE	1~15	
Bypass	SET THE BALANCED BYPASS OFF OR ON FOR THIS SECTION	Off , On	
Type	SET THE TYPE OF BALANCE FOR THIS SECTION	PEQ , LS , HS	PEQ IS PARAMETRIC EQUILIBRIUM. LS IS LOW FRAME EQUILIBRIUM; HS IS AN ELEVATED EQUILIBRIUM
Frequency	SET THE CENTER FREQUENCY OF THIS SEGMENT BALANCE	19.7Hz~20.2kHz	
Gain	SET THE GAIN OF THE EQUALIZATION IN THIS SEGMENT	-24.0dB~+12.0dB	
Q	SET THE BANDWIDTH TO BE BALANCED IN THIS SEGMENT	PEQ : 0.4~128 LS/HS : 0.4~2.0	

12. MICROPHONE SETTINGS

Press the [MIC] knob to enter the message setting interface, as shown on the right. rotate[EFFECT/EDIT] key Select the option you want to adjust (the selected option is displayed in yellow). Press the [EFFECT/EDIT] knob to activate the parameter value (the parameter value is displayed)Then rotate the [EFFECT/EDIT] button to adjust the parameter value: press the [EFFECT/EDIT] button again to confirm and exit the parameter value activation state (the parameter value is displayed in white) and long press [EFFECT/EDID] or press the [OK1 button to return to the main interface.

MIC SETTING	
Low Cut:	45.1Hz
High Cut:	16.3K
EQ:	1
Bypass:	Off
Type:	PEQ
Frequency:	25.3Hz
Gain:	0.0dB
Q:	1.0

THE LIST OF OPTIONS FOR MICROPHONE SETTINGS IS AS FOLLOWS

MICROPHONE SETTINGS

OPTIONS	DESCRIPTION	PARAMETER VALUE RANGE	INSTRUCTIONS
Low Cut	SET THE CUT-OFF FREQUENCY OF THE MICROPHONE HIGH-PASS FILTER	off , 19.7Hz~303Hz	
High Cut	SET THE CUT-OFF FREQUENCY OF THE MICROPHONE LOW-PASS FILTER	off , 5.99kHz~20.2kHz	
EQ	SET THE SEQUENCE OF MICROPHONE EQUALIZATION	1~15	
Bypass	SET THE BALANCED BYPASS OFF OR ON FOR THIS SECTION	Off , On	
Type	SET THE TYPE OF BALANCE FOR THIS SECTION	PEQ , LS , HS	PEQ IS PARAMETRIC EQUILIBRIUM. LS IS LOW FRAME EQUILIBRIUM; HS IS HIGHFRAME EQUALIZATION
Frequency	SET THE CENTER FREQUENCY OF THIS SEGMENT BALANCE	19.7Hz~20.2kHz	
Gain	SET THE GAIN OF THE EQUALIZATION IN THIS SEGMENT	-24.0dB~+12.0dB	
Q	SET THE BANDWIDTH TO BE BALANCED IN THIS SEGMENT	PEQ : 0.4~128 LS/HS : 0.4~2.0	

13. EFFECT SETTINGS

On the main screen, press the [EFFECT/EDIT] button to enter the effect setting screen, such asAs shown in the picture on the right, rotate the [EFFECT/EDIT] knob to select the option to be adjusted (the option is shown in yellow). Press the [EFFECT/EDIT] knob to activate the parameter value (the parameter value is shown in yellow, indicating activation). Then rotate the [EFFECT/EDIT] knob to adjust the parameter value. Press the [EFFECT/EDIT] button again to confirm and exit the activation state of parameter values (parameter values are displayed as automatic colors). Press and hold the [EFFECT/EDIT] button or press the [OK] key to return to the main screen.

EFFECT SETTING	
Echo Vol:	100%
Echo DirVol:	50%
Echo LowCut:	702Hz
Echo HighCut:	7.55K
Echo PreDly:	20ms
Echo Delay:	221ms
Echo Repeat:	50%
Echo PreDly R:	0%
Echo Delay R:	0%

THE LIST OF OPTIONS FOR EFFECT SETTINGS IS AS FOLLOWS

EFFECT SETTINGS

OPTIONS	DESCRIPTION	PARAMETER VALUE RANGE	INSTRUCTIONS
Echo Vol	SET THE SOUND OF THE ECHO	0%~200%	
Echo DirVol	SET THE DIRECT SOUND SIZE OF THE ECHO	0%~200%	
Echo LowCut	SET THE LOW CUT FREQUENCY OF THE ECHO	off , 19.7Hz~303Hz	
Echo HighCut	SET THE HIGH TANGENT FREQUENCY OF THE ECHO	5.99kHz~20.2kHz	
Echo PreDly	SET THE ECHO PRE-DELAY	0~60ms	
Echo Delay	SET THE ECHO DELAY	0~260ms	

TO BE CONTINUED

BROUGHT FORWARD

OPTIONS	DESCRIPTION	PARAMETER VALUE RANGE	INSTRUCTIONS
Echo Repeat	SET THE NUMBER OF ECHOES	1%~90%	
Echo PreDly R	SET THE ECHO PRE-DELAY FOR THE RIGHT CHANNEL	0~50%	
Echo Delay R	SET THE ECHO DELAY FOR THE RIGHT CHANNEL	-50%~50%	
Echo Decay	SET THE FREQUENCY AT WHICH THE HIGH FREQUENCY OF THE ECHO BEGINS TO FADE	5.99KHz~20.2KHz	
Rev Vol	SET THE VOLUME OF REVERBERATION	0~200%	
Rev DirVol	SETS THE DIRECT SOUND SIZE OF THE REVERBERATION	0~200%	
Rev LowCut	SET THE LOW CUT FREQUENCY OF REVERBERATION	19.7Hz~303Hz	
Rev HighCut	SET THE HIGH TANGENT FREQUENCY OF REVERBERATION	5.99KHz~20.2KHz	
Rev PreDly	SET THE PRE-DELAY OF REVERBERATION	0~80ms	
Rev Time	SET THE REVERBERATION TIME	0~9200ms	

14.RS232 INTERFACE PROTOCOL

THE LIST OF OPTIONS FOR MUSIC SETTINGS IS AS FOLLOWS

ITEM	FRAME HEADER	FRAME LENGTH	ItemId	SubItem	ARGUMENT	SumCRC
Bytes	(0xFE)1	1	1	1	2	1

SUMCRC: The sum of all data (including frame header 0xFE)CRC=data1+data2+data3+...

NOTE: WHEN SUMCRC>=0xFE, THE CURRENT SUMCRC=0

DESCRIPTION OF FRAME LENGTH : 0X07 indicates 7 bytes (with check), 0X06 indicates 6 bytes (without check)

PARAMETER WIDTH DESCRIPTION: The two-byte parameter indicates the big-end mode (with the high byte first).

For example, if the mode cyclic switchover parameter (0x0000)->0x00 0x00, it contains the verification code FE 07 03 02 0000 0A Without.

THE CHECK BIT : FE 06 03 02 00 00

BAUD RATE : 9600

FUNCTION CODE TABLE

FUNCTION	ItemId	SubItem	ARGUMENT	PARAMETER DESCRIPTION
SOUND OFF	0x02	0x01	0x0000	1: MUTE, 0: UNMUTE
MODE SWITCHING	0x03	0x01	0x0000	1: M1, 2: M2, 3: M3..... A: M10
MODE LOOP SWITCHING	0x03	0x02	0x0000	0: SWITCHES TO THE NEXT MODE
INPUT SIGNAL SWITCHING	0x04	0x01	0x0000	1: VOD, 2: BGM, 3: USB/BT, 4: HDMI 1, 5: HDMI 2, 6: ARC
INPUT SIGNAL LOOP SWITCHING	0x04	0x02	0x0000	0: SWITCHES TO THE NEXT MODE
MUSIC VOLUME ADJUSTMENT	0x06	0x01	0x0000	MUSIC VOLUME VALUE
MUSIC VOLUME SETTING	0x06	0x02	0x0000	1: MICROPHONE VOLUME INCREASED, 0: MICROPHONE VOLUME DECREASED
MICROPHONE VOLUME ADJUSTMENT	0x07	0x01	0x0000	MICROPHONE VOLUME VALUE
MICROPHONE VOLUME SETTING	0x07	0x02	0x0000	1: EFFECT VOLUME INCREASED, 0: EFFECT VOLUME DECREASED
EFFECT VOLUME ADJUSTMENT	0x08	0x01	0x0000	EFFECT VOLUME VALUE
EFFECT VOLUME SETTING	0x08	0x02	0x0000	0: PAUSE, 1: PLAY
USB FLASH DRIVE PLAYBACK	0x0C	0x01	0x0000	0: PAUSE, 1: PLAY
USB PLAY - SONG SWITCH	0x0C	0x02	0x0000	0: NEXT, 1: PREVIOUS
USB PLAY - SONG LOOP	0x0C	0x03	0x0000	0: CANCEL LOOP, 1: SINGLE LOOP, 2: LIST LOOP

SPECIFICATION PARAMETER

Specification parameter		
Music input	USB playback	USB Type-A x 1
	Stereo input	RCAx 2(Group)
	HDMI input	HDMI x 2
	ARC input	HDMI x 1
Microphone input	Built-in wireless microphone input	Built-in channel X 2
	1/4" JACK input	6.35mm socket x 1
Output interface		
HDMI output		HDMI x 1
Stereo output		RCAx 1(Group)
Recording output		RCA x 1
Subwoofer output		RCA x 1
Speaker output		Speaker terminal x 2(Group)
Control port		
USB		USB Type-B x 1
RS232		3.5mm socket X 1
Technical specification		
Signal-to-noise ratio (SNR)	RCA input, 8 OHM load, A weight	≥85dB
	1/4" TS input, 8 ohm load, A weight	≥75dB
Frequency response	RCA input, 8 Ohm load, 1W, 20~20kHz	-1dB ~ +1dB
	1/4"TS input, 8 ohm load, 1W, 50~ 20kHz	-3dB ~ +1.5dB
Distortion (THD+N)	RCA input, 8 OHM load, 1kHz, rated power output, bandwidth 20~20kHz	≤1%
	1/4" TS input, 8 OhMs load, 1kHz, rated power output, bandwidth 20~ 20kHz	≤1%
Input impedance	RCA input, f=1kHz	20k ohms
	1/4"TS input, f= 1kHz	10k ohms
Rated power	THD+N≤ 1%, 8 Ohm load, 1kHz	2 x6 00W
USB playback	Audio format	MP3,WAV,APE,FLAC,WMA
	File system	FAT16,FAT32,ExFAT/Fat64
	Maximum capacity	32G
Bluetooth	Edition	V4.2/2.1+EDR
Dimensions (L x D x H)		Machine: 429x 300x 76.5mm (excluding antenna and ear)
Net weight		4.8kg
Gross weight		6.6kg
Power requirements	200-240V-50Hz 1500W	

AFTER-SALES SERVICE AND ACCESSORIES

AFTER-SALES SERVICE COMMITMENT

- (1) The free warranty period is one year, starting from the date of purchase
- (2) The following circumstances do not implement free warranty service, can be paid maintenance
- A. Failure due to human damage, improper operation or irresistible natural disasters
 - B. Failure caused by disassembly, transformation, decomposition and assembly of the product
 - C. The warranty period is exceeded
 - D. Failure to produce a valid warranty certificate or proof of purchase

ATTACHMENTS

When unpacking and picking up the parts, please check whether the following accessories are complete

1. One copy of operation manual
2. One power cable
3. One handheld microphone, two wireless speaker receiving antennas, one microphone anti-roll stand, one headset speaker, and one transmitter Fanny pack

PRODUCT WARRANTY CARD			
PRODUCT MODEL	DATE OF PURCHASE	USER NAME	
CONTACT NUMBER	CORRESPONDENCE ADDRESS		
POSTAL CODE			
FAULT PHENOMENON	REPAIR TIMES		
	PICK-UP DATE		
CERTIFICATE OF RETURN AND EXCHANGE	Reasons for return and Replacement:		
	Maintenance unit (seal) :	User:	Date:

