MRS

COMPACT - 1500

STAGE STATION SOUND SYSTEM

User Manual

Please read the user manual carefully before using and operate this equipment correctly according the user manual
Please keep the user manual as a reference for subsequent use

V1.0

Catalog

The company is constantly working to improve the quality and performance of the product. Product technology and design are subject to update without prior notice.

1.0 To customer

Thanks for choosing our high technology equipment. Before using, please read the user manual carefully in order to get the best performances and all functions. Please consult local dealer or our company about incomprehensible problems.

Please keep the user manual as a reference for subsequent use.

2.0 Important safe notice

For your own safety please read the following important safety instructions carefully before attempting to connect this unit to the mains power supply. They will also enable you to get the best performance from and prolong the life of the unit:

1. Read these instructions.

2. Keep these instructions.

3. Heed all warnings.

4. Follow all instructions.

5. Do not use this apparatus near water.

6. Clean only with a dry cloth.

7. Do not block any ventilation openings.Install in accordance with the manufacturer's instructions.

8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus(including amplifiers) that produce heat.

9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

10. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles and the point where they exit from the apparatus.

11. Only use attachments/accessories specified by the manufacturer.

12. Use with only the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/ apparatus combination to avoid injury from tip-over.

13. Unplug this apparatus during lightning storms or when unused for long periods of time.

14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as the power-supply cord or plug having been damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

WARNING – To reduce the risk of fire or electric shock, do not expose this unit to rain or moisture.

The unit must be installed in a manner that makes disconnection of the mains plug from the mains socket outlet (or appliance connector from the rear of the unit) possible. Where the mains plug is used as the disconnect device, the disconnect device shall remain readily operable. Only use the mains cord supplied with this unit.

Please ensure there is ample ventilation (at least 10cm clearance all round). Do not put any objects on top of this unit.Do not situate it on a rug or other soft surface and do not obstruct any air inlets or outlet grilles.Do not cover the ventilation grilles with items such as newspapers, tablecloths, curtains, etc.

This unit must not be used near water or exposed to dripping or splashing water or other liquids. No objects filled with liquid, such as vases, shall be placed on the unit.

CAUTION	AVIS	ACHTUNG
Risk of electric shock. Do not open.	Risque de choc electrique. Ne pas ouvrir.	Vorm öffnen des gerätes. Netzstecker ziehen.

The lightning flash with the arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of un-insulated 'dangerous voltage' within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance instructions in the service literature relevant to this appliance.

FCC regulations

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 acce pt any interference received, including interference that may cause undesired operation.

FC 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:

- Re-orient 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 thereceiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Any changes or modifications not expressly approved by the party responsiblefor compliance could void the user's authority to operate the equipment.

RF Exposure Information

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

IC WARNING

This device complies with Industry Canada's license-exempt RSSs. 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 interfer-ence that may cause undesired operation.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:(1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

WEEE symbol

The crossed-out wheeled bin is the European Union symbol for indicating separate collection for electrical and electronic equipment. This product contains electrical and electronic equipment which should be reused,recycled or recovered and should not be disposed of with unsorted regular waste. Please return the unit or contact the authorised dealer from whom you purchased this product for more information.

CE mark

The instructions shall include the following as far as applicable.

− Instructions to ensure correct and safe installation and interconnection of the equipment.

− For equipment intended only for use in a restricted access area, the instructions shall so state.

− If the equipment is intended to be fastened in place, the instructions shall explain how to securely fasten the equipment.

− For audio equipment with terminals classified as ES3 in accordance with Table E.1, and for other equipment with terminals marked in accordance with F.3.6.1, the instructions shall require that the external wiring connected to these terminals shall be installed by a skilled person, or shall be connected by means of ready-made leads or cords that are constructed in a way that would prevent contact with any ES3 circuit.

− If protective earthing is used as a safeguard, the instructions shall require connection of the equipment protective earthing conductor to the installation protective earthing conductor (for example, by means of a power cord connected to a socket-outlet with earthing connection).

− For equipment with protective conductor current on the protective earthing conductor exceeding the ES2 limits of 5.2.2.2, the equipment shall bear an instructional safeguard in accordance with 5.7.5.

− Graphical symbols placed on the equipment and used as an instructional safeguard shall be explained.

− If a permanently connected equipment is not provided with an all-pole mains switch, the instructions for installation shall state that an all-pole mains switch in accordance with Annex L shall be incorporated in the electrical installation of the building.

− If a replaceable component or module provides a safeguard function, identification of a suitable replacement component or module shall be provided in the ordinary person instructions or instructed person instructions, or skilled person instructions, as applicable.

3.0 Performance features

The system can connect with instruments(including guitar、bass、Sax、piano ect.)、Computer、Tablets、mobile、DVD、VCD and any other devices with audio output. It's the best solution for family entertainment and trip,easy to carry and use.

● Support iOS and Android remote, adjust parameters of volume、specific effect .

● Support external instrument connection, use special APP to adjust effect according to your own like.

● Support to adjust amplifier volume, headphone volume, live broadcast volume independently.

● Support BT Wireless connect, play audio by BT Wireless.

● Support multi-channel input
  Channel 1A: support XLR balance input, 6.35 TRS balance input; Channel 1B: support 6.35 TS single input.
  Channel 2A: support XLR balance input, 6.35 TRS balance input; Channel 2B: support 6.35 TS single input.
  Channel 3A: support XLR balance input, 6.35 TRS balance input; Channel 3B: support 6.35 TS single input.
  (Channel 3A support +48V Phantom Power, channel 3 signal support tone and harmony)

● Support external TF card or USB connection, can play audio in TF card or USB. Support MP3、WMA、WAV.

● Support USB、TF card record: Karaoke singing、guitar playing、background music can be recorded and save by WAV file in USB or TF card.

● Support vocal removal.

● Voice effect built-in, 7 EQ、instrument chorus effect、delay effect、reverb effect、professional reverb effect.

● Each channel can adjust the gain of Bass/Alto/treble.

● Professional DSP Karaoke: have reverb、delay、EQ、feedback extermination.

● Professional guitar high impedance input: CH1B and CH2B with guitar high impedance input switch. Can recover guitar details when in high impedance input.

● Intelligent display: LCD screen display knob volume、effect mode、BT Wireless connect、USB/TF card play、record information.

● Decrease audio THD more effectively by electronic frequency division.

● Intelligent control technology: use MCU single chip.

● Intelligent battery monitoring: this equipment with LCD display and APP battery display. Display low battery、charging and fully charged. When battery less than 10%, display low voltage. Automatic shutdown to protect battery when battery lower than protect voltage.

● No signal turn off: can select 20 minutes、2 hours、5 hours
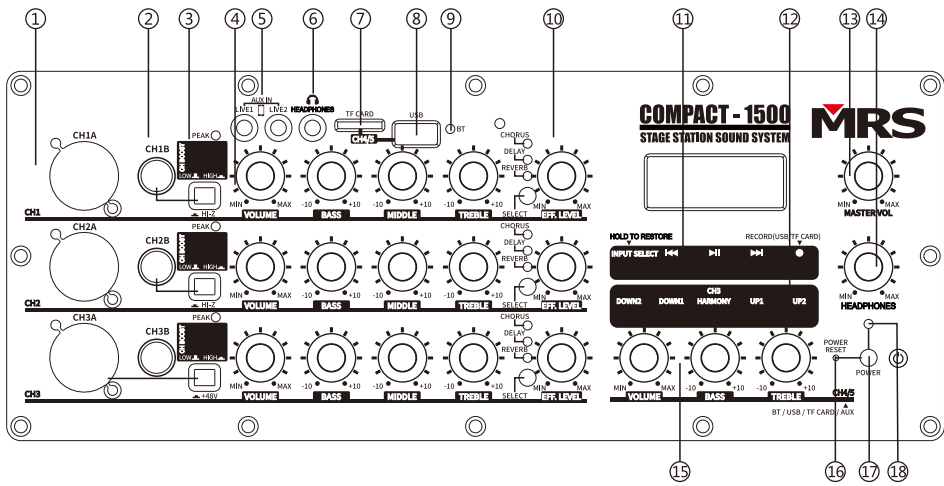
4.0 Package components

No.	Name	数量
01	Speaker host	1
02	Power line	1
03	AC adaptor	1
04	User manual	1
05	Certificate	1
06	6.35 to 3.5 plug	1
07	3.5mm stereo signal line	1
08	Live broadcast line	1

5.0 Technical parameter

Standard parameter	
Model No.	COMPACT-1500
Power output(W) (440Hz, THD 10%)	60W
AC adaptor	15V/4A(15V/3A)
Frequency response(-3dB)	40Hz~20KHz
Battery	12V/9Ah
Static power consumption	≦4W
Battery standby consumption	≦10mW

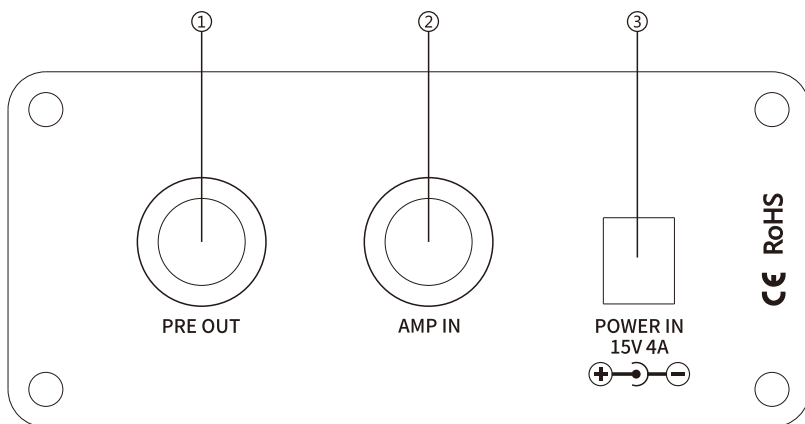| Performance parameter		CH1A/CH2A\CH3A (XLR balance input)		CH1B/CH2B/CH3B (6.35 TS input)		CH4/5
		High gain	Low gain	High gain	Low gain	AUX
Overload voltage(V)	Main channel, 440Hz, THD 1%	≥0.1	≥0.45	≥0.2	≥1	≥2
S/N	Rated, 440Hz input, 4Ω*1, THD 1%, A weight	≥70	≥76	≥70	≥76	≥78
Rated voltage(mV)	Main channel, 440HZ, THD 1%	10±1	45±5	25±3	115±11	245±25
THD	Main channel, rated, 440Hz, A weight	≤2		≤2		≤2
Frequency response(dBr)	Main channel, 40Hz-1KHz-20KHz	±3		±3		±3
Noise(mV)	Rated A weight, 4Ω*1	≤4		≤4		≤4
Headphone output(mV)	Rated, 32Ω load	380±40mV		380±40mV		380±40mV
Line output(mV)	Rated, 10KΩ load	550±55		550±55		550±55

6.0 Front panel functions

① From up to bottom is: channel 1A, channel 2A, channel 3A. Support XLR plug、6.35 TRS、6.35 TS headphone plug.

② From up to bottom is: channel 1B, channel 2B, channel 3B. Only support 6.35 TS headphone plug.

③ From up to bottom is:
Channel 1→overload PEAK、GAIN、high impedance HI-Z
Channel 2→overload PEAK、GAIN、high impedance HI-Z
Channel 3→overload PEAK、GAIN、Phantom Power +48V
Gain button: press down in high gain suit for headphone
　　　　　　　pop up in low gain suit for instrument

④ From up to bottom is:
Channel 1→volume、bass、alto、treble knob
Channel 2→volume、bass、alto、treble knob
Channel 3→volume、bass、alto、treble knob

⑤ AUX input live broadcast 1(support Ios) and live broadcast 2(support Android). When plug live broadcast 1 and live broadcast 2 at the same time, only broadcast 2 regard as AUX input, live broadcast 1 regard as broadcast input.

⑥ Headphone jack

⑦ TF jack(support AT32 file of 512M-32G)

⑧ USB jack(support AT32 file of 512M-32G)

⑨ BT Wireless LED

⑩ Effect level adjust knob for channel 1、channel 2、channel 3. Press SELECT to choose different adjusted effects, corresponding LED glittering (detail instructions in attached list 1), then rotate effect level knob to adjust corresponding effect level.

⑪ From left to right is:
1>input select knob(long press to resume factory setting) Short press to choose: BT Wireless、USB、TF CARD、AUX、K-LIVE(choose this mode when using Karaoke software)
2>Last song
3>play/pause
4>next song
5>record(save in TF card or USB)

⑫ Channel 3 pitch and harmony(from left to right): DOWN 2/ fall tone 2、DOWN 1/ fall tone 1、HARMONY/ harmony、UP1/ up tone 1、UP2/ up tone 2

⑬ Main volume adjust knob

⑭ Headphone volume adjust knob

⑮ Channel 4/5 volume adjust knob、bass adjust knob、treble adjust knob(Channel 4/5 mean BT Wireless、USB、TF card、AUX input)

⑯ Power reset: be forced shutdown by inserting sharp object

⑰ Power button(long press to turn on, be forced shutdown by long pressing for 10 seconds)

⑱ Power LED

Attached list 1:

LED state:	CHORUS ⬤ DELAY ○ REVERB ○ SELECT ○	CHORUS ○ DELAY ⬤ REVERB ○ SELECT ○	CHORUS ○ DELAY ○ REVERB ⬤ SELECT ○	CHORUS ⬤ DELAY ⬤ REVERB ○ SELECT ○	CHORUS ⬤ DELAY ○ REVERB ⬤ SELECT ○	CHORUS ○ DELAY ⬤ REVERB ⬤ SELECT ○	CHORUS ⬤ DELAY ⬤ REVERB ⬤ SELECT ○
Function instruction	Chorus (short press *select* to choose)	Delay (short press *select* to choose)	Reverb (short press *select* to choose)	Chorus+delay (short press *select* to choose)	Chorus+reverb (short press *select* to choose)	Delay+reverb (short press *select* to choose)	Professional reverb (long press *select* enter or sign out)

7.0 Rear panel functions

① Line output jack(connect with mixer、 external record、 active speaker).

② Amplifier input jack(The pre-signal of this equipment will be cut off if connect this jack, non professional person do not use it).

③ 15V/4A(15V/3A) power input jack.

8.0 Operating instructions

Instructions

- Power switch instruction
  Long press for 1 second to turn on and long press for 3 seconds to turn off.

- BT Wireless connect (iOS/ Android)
  BT Wireless audio connect: Open BT Wireless on mobile/ Ipad, connect "COMPACT-1500 Music" to play audio.
  APP connect: Open APP then click CONNECT to choose "COMPACT-1500 Control",control the equipment
  by iOS/ Android.

- Battery screen instruction
  When battery icon is blank means lack of battery, need charging.
  Battery icon is glittering means charging; Battery icon is full means full of battery.

- Battery protect
  The equipment turn off automatically when voltage lower than battery protect voltage.
  Turn off automatically when long time no signal input.
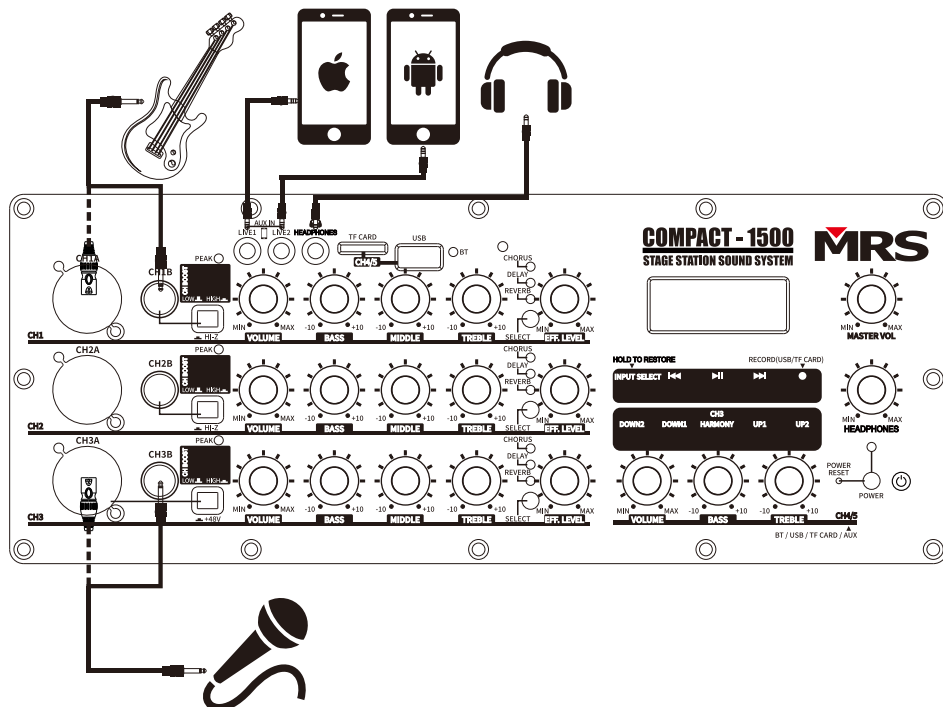
Operating instructions

- Please confirm all the volumes in min to avoid components be damaged before connecting or shutting off.

- Please decrease volume or turn off equipment to avoid speaker or other device be damaged before connection.

- Confirm the operations as followings in order as soon as connecting:
  Switch on procedure:
  ① Adjust the volume knob in the front panel to min.
  ② Connect all audio devices.
  ③ Press power button.
  Wrong boot order maybe damage speaker or other devices.

  Switch off procedure:
  ① Adjust the volume knob in the front panel to min.
  ② Long press power button.
  ③ Shut off all audio inputs.
  Wrong shutdown order maybe damage speaker or other devices.

- Plug in CH1B or CH2B input when using instrument,press high impedance button of corresponding channel
  and choose low gain mode from GAIN button.

- Press GAIN button and choose high gain mode when use CH1/CH2 as microphone channel input.

- Switch on: Long press power button for 1 second.
  Switch off power: Long press power button for 3 seconds.
  Charge when low battery.

- Please put equipment in correct condition to extend battery life if don't use for a long time.

Live broadcast instructions

● Connect broadcast plug with mobile headphone jack by 4 pin 3.5mm broadcast line(LIVE 1 is mobile broadcast input for Ios system, LIVE 2 is mobile broadcast input for Android system). Plug line microphone plug into corresponding input plug of CH3, plug all line microphones into the corresponding input jack of CH3 (CH3 connect with microphone with XLR or condenser microphone, CH2B connect with microphone with 6.5TRS plug), plug all instrument output plugs into the corresponding input plugs of CH1 or CH2 (CH1A/ CH2A connect XLR instrument, CH1B/CH2B connect instrument with 6.5TRS jack）. Turn all channels volume and MASTER VOL to min, then turn on the equipment. Connect vocal music with equipment by USB、TF card、BT Wireless、AUX, press INPUT SELECT button to choose corresponding vocal input channel. Turn MASTER VOL and HEADPHONE VOL to max, adjust CH3、instrument channel (CH1/2)、music channel (CH4/5)volume、EQ、effect mode、effect level, begin to live broadcast.

● Broadcast signal is mixed by vocal music+microphone signal+instrument signal, then output.

● The equipment connect broadcast mobile by 4 pin 3.5mm broadcast line with mobile headphone jack. But some brand mobile need to buy adapter(Type-C to 3.5mm jack or Lightning to 3.5mm jack).

● Please plug mobile headphone jack into headphone jack in the front panel, adjust MASTER VOL to min or turn off, which only decrease or turn off speaker volume, have no influence to the volume of live broadcast room.

● Adjust the volume of channels or broadcast volume in APP to control the volume of live broadcast room.

● Press +48V button when connect condenser microphone, condenser microphone with high sensitivity, suggest to turn on noise gate in APP when connect it.

9.0 APP function instruction

iOS/ Android please scan the QR code on the right or download special APP (suggest Android use browser to scan).

Android

iOS

Home

1.Open software, click" CONNECT" button.

2.Choose COMPACT-1500_Control, connect and start to use.

COMPACT-1500_Control

Professional reverb effect switch

Battery display

Click this button to enter KOL panel.

Click this button to resume factory setting.

Adjust channel 1 volume, press >to enter this page to adjust the detail data of this channel.

Adjust channel 2 volume, press >to enter this page to adjust the detail data of this channel.

Adjust channel 3 volume, press >to enter this page to adjust the detail data of this channel.

Adjust music channel volume, press >to enter this page to adjust the detail data of this channel.

Press> to enter effect page, adjust reverb and echo effect.

Channel 1 adjust page

Main volume、effect level、effect mode of channel 1.

Equalizer module
7 sliders represent the gain value(db) of current frequency point. Calling out the timbre suit yourself by sliding different sliders up and down.

Channel 1: bass、alto、treble adjust knob.

Channel 2 adjust page

Main volume、effect level、effect mode of channel 2.

Equalizer module
7 sliders represent the gain value(db) of current frequency point.
Calling out the timbre suit yourself by sliding different sliders up and down.

Channel 2：bass、alto、treble adjust knob.

Channel 3 adjust page

Main volume、effect level、effect mode of channel 3.

Harmony switch and feedback extermination switch.

Down 2、Down 1、Up 1、Up 2.

Equalizer module
7 sliders represent the gain value(db) of current frequency point.
Calling out the timbre suit yourself by sliding different sliders up and down.

Channel 3：bass、alto、treble adjust knob.

Music channel adjust page
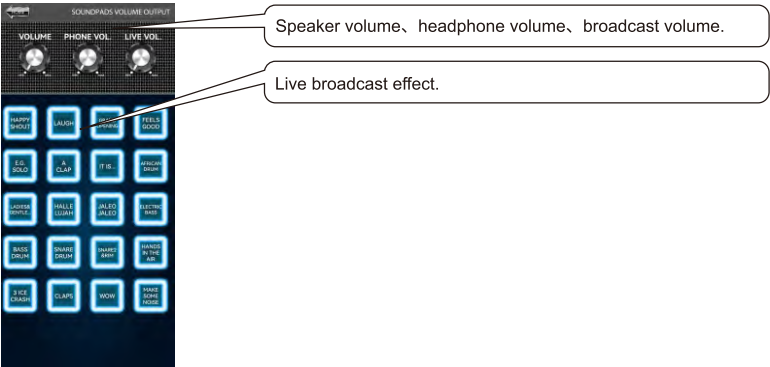
Remove vocal switch

Main volume of music input.

Music input channel: AUX、K-LIVE、BT Wireless、USB、TF card.
K-LIVE mode: use with Karaoke software.
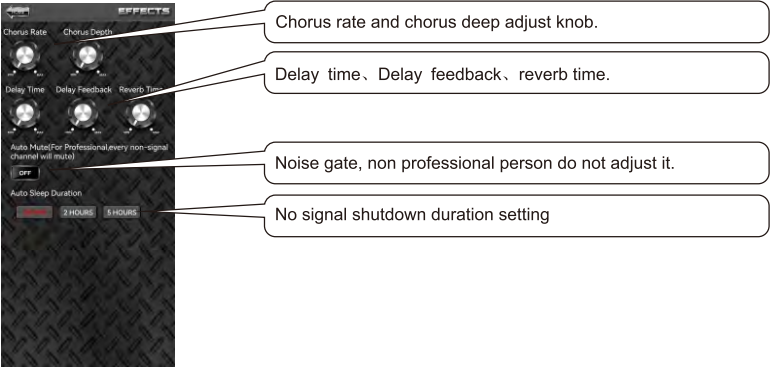
Equalizer module
7 sliders represent the gain value(db) of current frequency point.
Calling out the timbre suit yourself by sliding different sliders up and down.

Bass、alto、treble adjust knob.

Channel 2 adjust page

Speaker volume、headphone volume、broadcast volume.

Live broadcast effect.

Effect parameter adjust page

Chorus rate and chorus deep adjust knob.

Delay time、Delay feedback、reverb time.

Noise gate, non professional person do not adjust it.

No signal shutdown duration setting

10.0 Fault table

Fault phenomenon	Reason	Method
Turn on the power, no sound	1.No audio input 2.Volume is in min	1.Input music signal 2.Adjust volume
Distortion	1.APP with incorrect parameter 2.Volume too loud 3.Audio system maybe damaged	1.Adjust volume 2.Check audio system, repair if damage
Microphone sound too low	1.Microphone plug didn't insert completely 2.Microphone switch didn't turn on 3.Microphone volume is in min 4.7 EQ didn't adjusted well in App 5.Wireless microphone didn't install battery 6.Didn't press down the gain button	1.Insert microphone plug completely in input socket 2.Confirmed microphone switch is turn on 3.Adjust microphone channel volume 4.Open APP and operate correctly 5.Install battery and turn on 6. Press down the gain button (high gain mode)
Broadcast sound too low or have distortion	Broadcast volume knob adjust too low or too high	Connect APP and adjust broadcast volume
APP invalid	BT Wireless break off	Exit APP, connect again. Reset if doesn't work
Only can use several minutes after charging or can't use except insert the charger	1.Battery damaged 2.Battery line loosed/broken 3.Battery too low	1.Change same model No. battery 2.Contact with local distributor 3.Charge enough then use
Can't connect with BT Wireless	1.Paired with other device 2.Others	1.Exit other device, connect again 2.Long press input select button, break off automaticaly 3. Turn off 10 seconds then turn on
BT Wireless,USB, TF card play no sound	1.Didn't select correct channel 2.Pressed pause button 3.Didn't turn on volume knob or adjust too low	1.Select the correct channel 2.Press play knob 3.Turn on volume knob and adjust
Can't distinguish some USB or TF card	1.Only support FAT32 system format, can't support NTFS format 2. Can't distinguish some USB(3.0)	1.Change USB or TF card to support format in the computer 2.Change to 2.0 version USB
Can't play some songs	Only support MP3, WMA,WAV format	Confirm audio file format. Cancel other audio format file

Insurance clause

A、 Please read carefully and keep this card:

1、 Please keep this card well when purchasing this equipment and ask
   seller to chop on it;

2、 Need to provide this warranty card when repair;

3、 Please fill true information, otherwise is invalid;

4、 Warranty period is one year, our company free repair if have fault in
   the warranty period.

B、 Following reasons cause damage, are not in warranty range:

1、 Didn't obey user manual to use or install;

2、 Damage by person or accident;

3、 Maintenance, refit not approved by the company

4、 Aging on equipment surface and shell, bumps and scratches.

C、 Customer still can get repairing service from company beyond
   warranty period, but need to pay.

Customer file

Customer name	
Address	
Contact phone	

Product file

Model No.	
Sales order No.	
Serial No.	
Purchase time	
Purchase place	
Purchase price	

MRS

Product warranty card