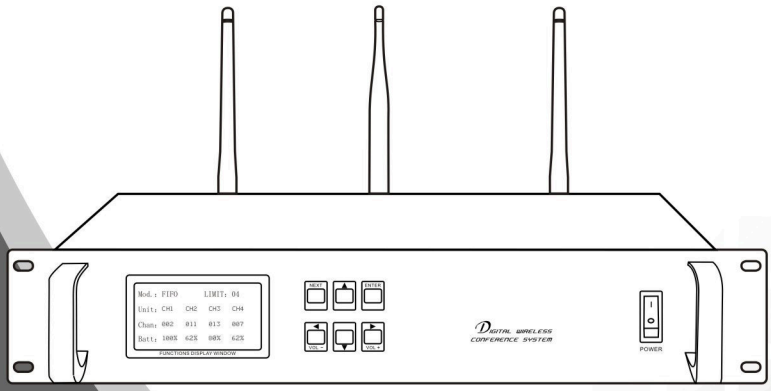
DIGITAL WIRELESS CONFERENCE SYSTEM

Operation Instructions



Foreword

Thank you very much for choosing our company's digital wireless conference system. In order to make full use of the product, we highly suggest you read the instruction manual before usage.

This product adopts the wireless digital technology to process the audio signal and control signal. With scientific ID code design and no complicated cables, it can be used once the power supply is turned on. Within the signal coverage range, the units can be freely moved and unlimited number of units can be supported. It also has the function of interference signal automatic reconnaissance. When it finds an interference signal, it can assign other frequency to work which can avoid the interference signal.



Content

1.Features 1

2.Safety instructions 2

3.Working environment requirement & Operating procedure 3

3.1Working environment requirement 3

3.2Operating procedure 3

3.3System's parameters 3

4.System function instructions 4

4.1Mode set up 4

4.2Balanced set up 4

4.3System set up 5

4.4Master volume control 5

5.System operating instructions 6

5.1Front panel of digital wireless conference system 6

5.2Back panel of digital wireless conference system 6

6.Solutions to breakdowns 7

7.Connection instruction 8

1.Features

1).This product uses the wireless digital communication, multi-level error correction and encryption scrambling.The maximum to prevent string frequency interference and mobile phone electromagnetic interference.

2)Without cumbersome wiring, this product adopts wireless digital technology to process the sound signal and control signal. It can be used once the power supply is turned on. Within the signal coverage range, the units can be freely moved.

3)This product has three meeting mode: the FIFO, the Speaker Limited and the Chairman Only. The number of speaker speaking at the same time is 1-4 (chairman 1-4 people, delegate 1-4 people).

4)This product can use an unlimited number of units and support 4 units speaking at the same time. The number of chairman unit can be 0-4, catering to any meeting occasion.

5)This product uses a large 240*64 dot matrix LCD screen to display working content. Hierarchical design menu shows content such as working mode, users quantity, operating channel, unit power and so on.

6)This product has 3 section EQ function (High, Medium and Low), and a humanized sound-effect selection design which contains two default modes (meeting mode & lecture mode) and two custom mode. Adjust the settings of custom modes to get different required sound effect.

7)This product's conversation units have an automatic frequency tracking function, avoiding complex frequency operation.

8)This product has automatic interference detection function. When an interference signal is found, it can allocate another frequency to avoid interference signal.

9)This product supports multiple sets of host machine independently used at the same time. Through the configuration of communication IP and communication ID of each set of host, it can achieve several meetings independently communicating at the same time.

10).This product's conference unit have low-voltage indicating function and low-voltage starting protection function.

2.Safety instructions

- Read this instruction manual.
- Keep this instruction manual for future reference.
- Follow all instructions in this instruction manual.
- Do not place this product in high humid, strong magnetism, strong light and high temperature environmental for use or storage.Unplug the power supply if not use for a long time.
- Be aware of the supply voltage. Only the supply voltage listed on the instruction manual fits the product.
- Only use accessories specified by our company.
- Never open the device. If devices are opened by customers in breach of this instruction, the warranty becomes null and void. Turn to the professional mechanic or local dealer for help if there is something wrong with the product.
- If components are needed to replaced, replace them with original components produced by our company.
- Leave the devices the minimum space of 30 mm for proper Ventilation.

  Do not cover the vent with newspapers, cloths, curtains, etc.

  Do not place the devices near fire or water.

  Only professional mechanic can assemble the devices if it is labeled with hazard warning sign "ϟ" .

  Recycle the replaced battery.

  The devices can be used in tropical or temperate regions.

  It is only for safe use in the area with an altitude of below 2,000 meters.



※ Adapter and circuit are working all the time as both receiver and transmitter have switch−noise− elimination circuits inside. So please unplug the power cord of receiver and take out the batteries of transmitter when they are not used.

3.Working environment requirement & Operating procedure

3.1Working environment requirement

Connect the receiver with antenna and adjust the antenna to vertical. Note that mental, wall, ceiling, human body will weaken the emitter's signal. For best effect, please follow the rules. The emitter should be placed as near the spot as possible. Keep the minimum distant of 1.5m with metal, wall, scaffold, ceiling, etc. Make sure the emitter and receiver are accessible straight forward.

3.2 Operating procedure

1.Installation of antenna, connect the power supply,the host get in the energized state.
2.After turning on the host, the LCD screen will show the working parameters.
3.Connect the host's MTX OUT and MIC with audio connecting line. Adjust to reasonable volume.
4.Insert the batteries to Chairman unit & representative unit , turn on the switch to use.

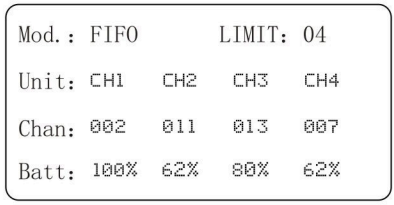
3.3 System's parameters

Power supply : DC12-17V
Sensitivity : -105dBm
S/N Ratio : >90dB
T.H.D : <0.05%dB
Max.deviation range : ±45KHz
Working distance : ⩾100meter
Channel : 4*64
Power : 6.5W
EIA label box,suitable for desktop or rack mount
Meeting Mode:first-in first-out(FIFO),limitation of speaking, chairman only.
The three audio output terminals,can be connected with a recording or reproducing apparatus.
240*64 dot matrix LCD screen displays working state. There are 6 function keys for system setting and adjusting.

4.System function instruction

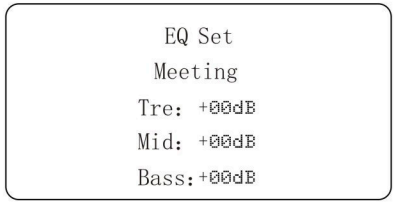
4.1Mode set up

Press "ENTER" button to change the sign with "⬍". Press left button "◀" or right button "▶", "⬍" can be moved in "Mode, Users, Signal". Move "⬍" to the required adjustment options you need, press UP button"▲" or DOWN button "▼"to adjust.
1.Mode: "first- in first-out(FIFO)" & "Limitation of speaking"&"Chairman only
2.User: 01-04 people available.
3.Channel: Each unit corresponds to a channel select in 001-064 channel. Select "---" means prohibition of use, this unit will be stop working. The display will reflect the number of speakers after using the prohibition of use function.
Notice: Press "ENTER" twice to save and exit after each set up. If not save the set up, it will be back to the original set state.(40 seconds automated exit after confirm)



4.2Balanced set up

Press "ENTER" into Balanced in standby mode.Press "ENTER", "⬍" come out, press left button "◀ " or right button " ▶", "⬍" can be moved in "Mode, Alto,Tenor,Baritone".Move "⬍" to the required adjustment options you need, press UP button"▲" or DOWN button "▼"to adjust.
1.Mode: Custom1, Custom2, Speech, Meeting.
2."Speech" and " Meeting" is factory setting.
3."Custom1" and "Custom2" set up.
After setting up Custom1 or Custom2, press left button "◀ " or right button " ▶" to select High pitch, Alto or Bass. Then press UP button "▲"or DOWN button "▼" to adjust, Adjustable range "-14dB to +14dB", step by "2dB".

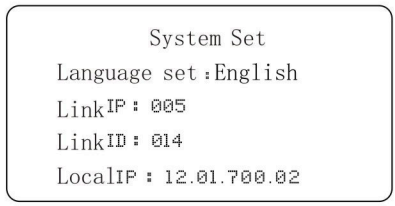


4.System function instruction

4.3System set up

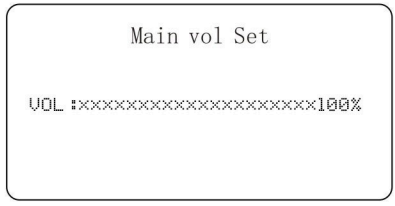
Each host has 8 communication IP, 160 communication ID. Generally communications IP communication ID will be set at "001" before they leave the factory. Switch the chairman units and delegate units to standby status to change the IP and ID. When the units are in working status, the IP and ID can not be change.

1. Press "NEXT"to enter system setting.
2. Press "ENTER" screen show " ◆ " in communications IP.
3. Press "UP" or "DOWN" to set communications IP (001-008), press "ENTER" to save.
4. Setting communication ID (001-160) same as communications IP, press “ENTER" to save.
5.All Chairman and representative unit will receive a setting change instruction after press"ENTER” botton, the indicator light will be lit up once, that means the setting is successed.



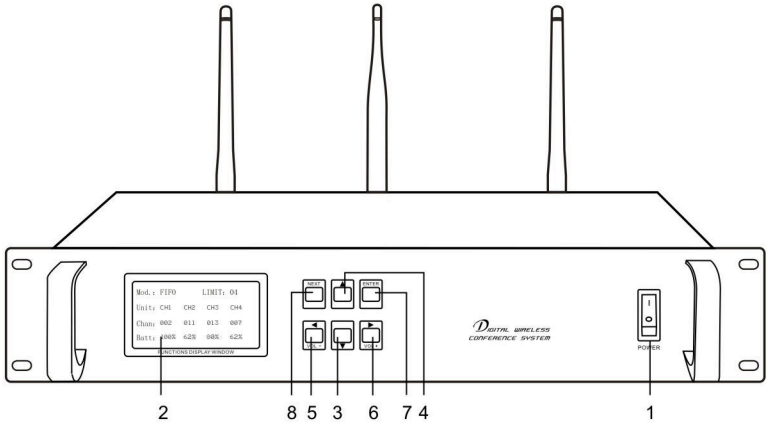
4.4 Master volume control

In any working condition, press left button " ◂ "or right button " ▸ " can adjust the host output volume. Press left button " ◂ "or right button " ▸ " to adjust the required volume(press left button " ◂ " means down , press right button " ▸ " means up). Adjust the required volume, do not need to press "ENTER", the host automatically default and save then return to main menu.



5.System operating instructions

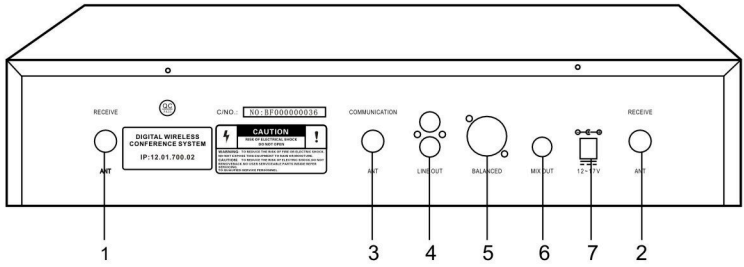
5.1Front panel of digital wireless conference system



1.Power switch 2.LCD Screen 3.Down 4.Up

5.Left/volumn down 6.Right/volumn up 7.Enter 8.Menu/Next

5.2Back panel of digital wireless conference system



1.Receiving Antenna 2.Receiving Antenna 3.Communication antenna

4.Line signal output 5.Balance output 6.Unbalanced output 7.DC socket

6.Solutions to breakdowns

Breakdowns	Causes	Solutions
The host is not energized	The utility is not energized	Check the utility
	External power supply fault	Check and change the external power supply
The host cannot receive signal	The unit is off	Turn on the unit
	The unit and the host communication IP or ID do not match	Look the manual Adjust the communication IP or ID
	The unit is too far away	Keep the unit in the valid range
The host can receive signal but without sound	The volume is at the minimum	Adjust the volume
	Improper connection of audio	Reconnect the audio connection
On and off sound	Too far away	Keep it near
Can not set option	Set option not confirmed	Press"enter" after set option
The unit can not working	In the setup state	Exit setup and return to main menu
Effective operating distance is short	Complicated environment	Avoid metal, wall, crowds, etc as they will weaken the signal
	The receiving antenna is not installed	Install the receiving antenna

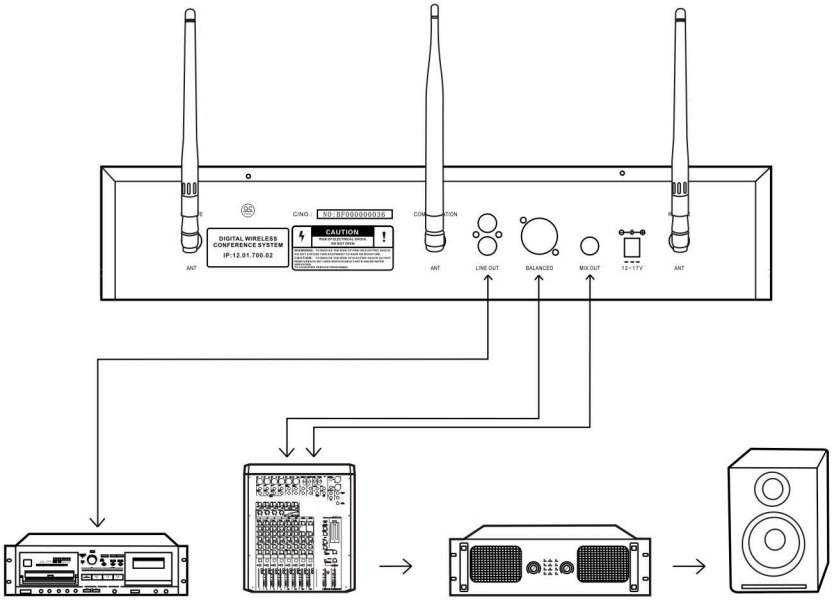
Care and maintenance

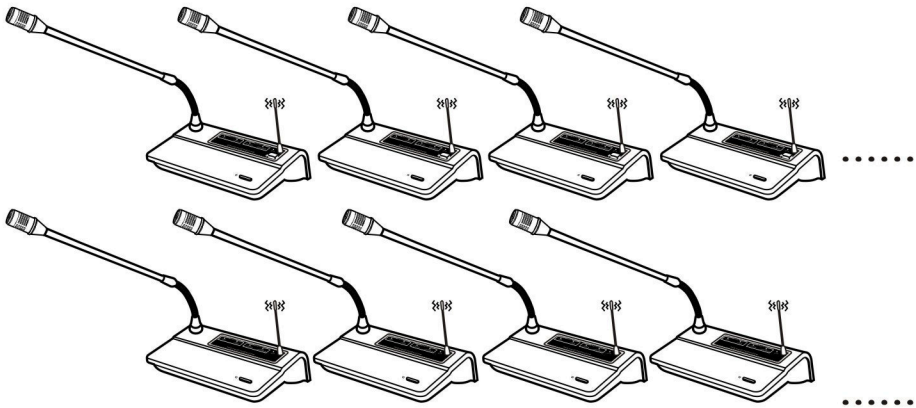
Before fixing or cleaning the device, cut off the electricity supply. Clean it with soft cloth.

For spots, clean it with cloth that has neutral cleaning solvent and dry it with another cloth.

Do not use gasoline, diluents or any other chemical product, or else the surface will be damaged.

7. Connection instruction





Attention:

1 metre above floor At least 1metre to wall Antenna vertical to the receiver

This operation manual would be revised at any time without prior notice.

This manual contains needed information as much as possible. If there is anything unclear, wrong or omitted, please don't hesitate to contact us for confirmation. The company is free from all the damage and loss caused by no confirmation.

For testing and maintenance, please contact us or our authorized distributors through the dealer from whom you purchased this product. The company assumes no responsibility for any loss or damage resulting from testing and maintaining this unit by unqualified personnel.