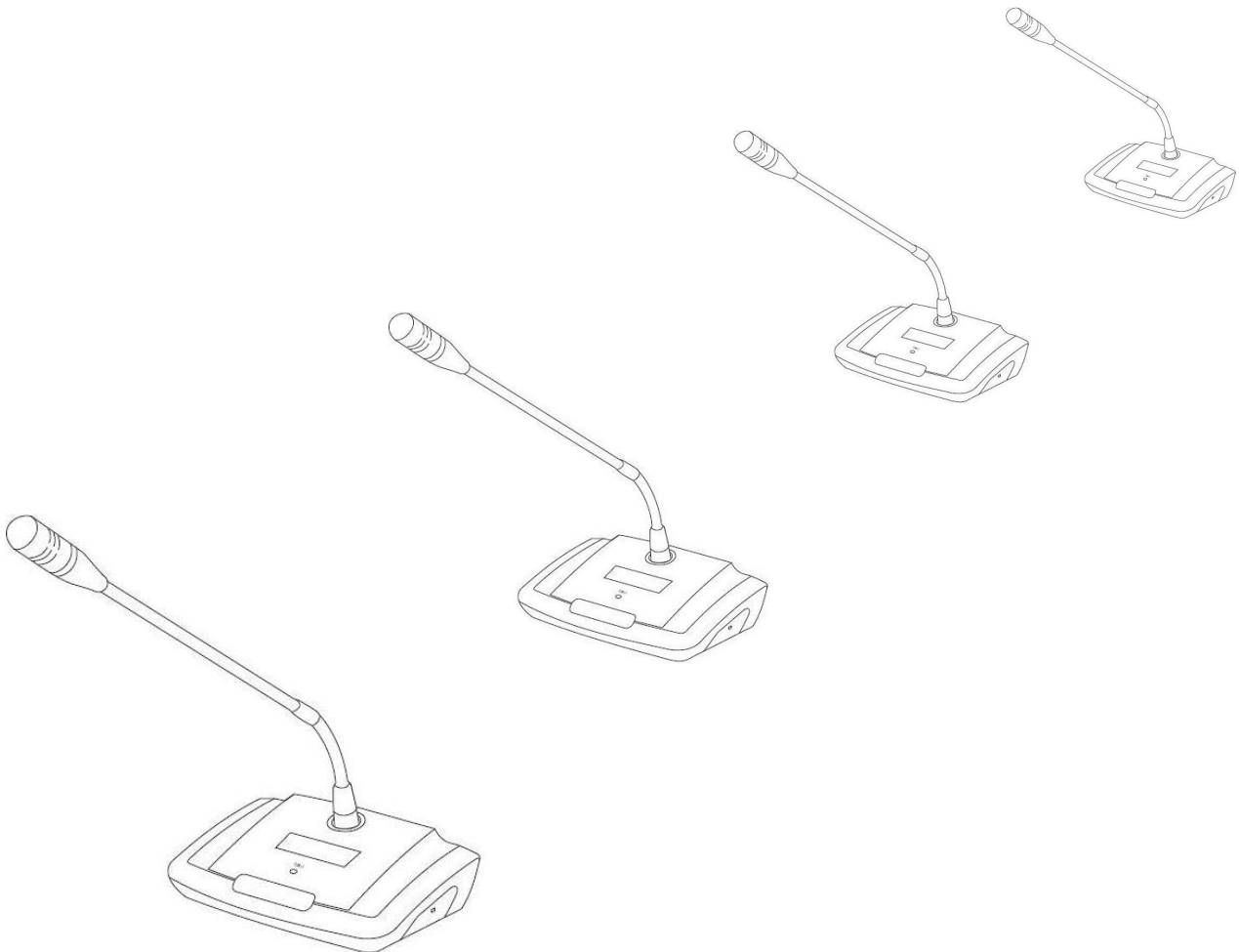


LYINTL

INSTRUCTION MANUAL

Wireless Discussion System

H-620 H-640 H-680
1 Receiver & 2/4/8 Transmitter Microphone



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1. IMPORTANT SAFETY INSTRUCTIONS



CAUTION: To reduce the risk of electric shock do not remove cover (or back panel). No user serviceable parts inside. Refer servicing to qualified personnel only.

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



This symbol is intended to alert the user of the presence of uninsulated dangerous voltage within the product enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This symbol is intended to alert the user of the presence of important operating and maintenance (servicing) instruction in the literature accompanying the appliance. Please carefully read the owner's manual.

INSTRUCTIONS:

All safety and operating instructions should be read before the product is operated.

Retain these instructions:

All safety and operating instructions should be retained for future reference. This owner's manual should be considered as a part of the product, it must accompany it at all times, and it needs to be delivered to the new user when this product is sold. In this way the new owner will be aware of all the installation, operating and safety instructions.

Heed all warnings:

All warnings on the product and in owner's manual should be adhered to. Heed all warnings.

Follow all instructions:

All operating and user's instructions must be followed.

Sentences preceded by  symbol contain important safety instruction. Please read it carefully.

DETAILED SAFETY INSTRUCTIONS.

Water and moisture:

This apparatus should not be used near water (i.e. bathtub, kitchen sink, swimming pools, etc.)

Ventilation:

This apparatus should be placed in a position that doesn't interfere with its correct ventilation. This unit, for example, should not be placed on a bed, sofa cover or similar surfaces that could cover ventilation openings, or placed in a built-in installation, such a bookcase or a cabinet that could block air flow through ventilation openings.

Heat:

This apparatus should be placed away from sources of heat, like radiators, heat registers, stoves or other products (including amplifiers) that produce heat.

Power sources:

- This apparatus should only be connected to a power source of type specified in this owner's manual or on the unit.
- If the supplied AC power cable plug is different from wall socket, please contact an electrician to change the AC power plug.
-

Grounding or Polarization:

- All precautions must be observed in order to avoid defeating grounding or polarization.
- Unit metal parts are grounded through the AC power cord.
- If the AC power outlet doesn't have grounding, consult an electrician for outlet grounding.

Power cable protection:

The power cable should be routed in such a way that it will not be walked on or pinched by items placed upon or against it, paying particular attention to cables at their connections, receptacles and wall outlet.

Cleaning:

- You can clean the exterior of the unit with compressed air or a damp cloth.
- Don't clean the unit using solvents like trichloroethylene, thinners, alcohol, or other volatile or flammable fluids.

Non use periods:

The unit AC power cable should be unplugged from the outlet if it's unused for long periods.

Objects or liquid entry into the unit:

Be careful that no objects fall into the unit or that no liquid is spilled inside the unit through ventilation openings.

Safe power line use:

- Hold the plug and the wall outlet firmly while disconnecting the unit from AC power.
- When the unit will not be used for a long period of time, please unplug the power cord from AC power outlet.
- To avoid power cable damage, don't strain the AC power cable and don't bundle it.
- In order to avoid damage to the unit's power cable, be sure that the power cable is not walked on or pinched by heavy objects.

Unit relocation:

Before relocating the unit, please control the unit is turned off. The power cord must be unplugged from the wall outlet, and all the connecting cables should be disconnected as well.

Do not open this unit:

Do not attempt to open or repair this unit yourself. For any problem not described in this owner's manual, please refer to qualified personnel only or consult us or your National Distributor. Any improper operation could result in fire or electric shock.



Damages requiring services:

- Do not attempt to perform operations not described in this user's manual.
- In the following cases please refer to an authorized service center or skilled personnel:
 - When the unit works improperly or it doesn't work at all.
 - If power cord or plug is damaged.
 - If liquid has spilled, or objects have fallen into the unit.
 - The unit has been exposed to rain.
 - The unit doesn't operate normally or exhibits a marked change in performance.
 - If the product has been dropped or has been damaged in any way.

Maintenance:

The user shouldn't attempt maintenance not described in this user's manual. All maintenance should be performed by qualified personnel only.

IMPORTANT SAFETY INSTRUCTIONS:

- Install this unit following owner's manual instructions.
- Do not install, connect or disconnect power supply when the unit is powered, otherwise there is a high risk of electric shock.
- Do not open the unit, there are no user serviceable parts inside.
- If you detect a particular smell from the unit, please immediately turn it off and disconnect the AC power cord.
- Don't block the unit's ventilation openings.
- Avoid using this unit in overload for a long period.
- Don't force commands (switches, controls, etc.)
- To obtain good speaker wire contact, please tighten the screw terminals firmly.
-  For safety reasons, do not defeat the grounding connection. Grounding is for user safety.
- Use only connectors and accessories suggested by the manufacturer. .
- This unit should be fitted in an equipment rack (see INSTALLATION) and kept far from:
 - Wet places
 - Direct exposure to heat sources (like sun light)
 - Improperly ventilated places
- Disconnect the power cord during storms or when the unit is not in use.
-  In order to prevent fire and reduce risk of electric shock, it is necessary to keep the unit far from dripping water. Please don't put cups, vases or other object containing liquids over the unit. In case of interference from source signal, THD value will raise over 10%. Don't place this unit in a bookshelf or in other enclosed spaces.
- We are not responsible for any damage that occurs due to a incorrect installation of the unit.

Thank you for choosing our product and for trusting our brand, which strives to be synonymous with professionalism, precision, high quality and reliability. All of our products comply with EC regulations regarding audio equipment for continuous use.

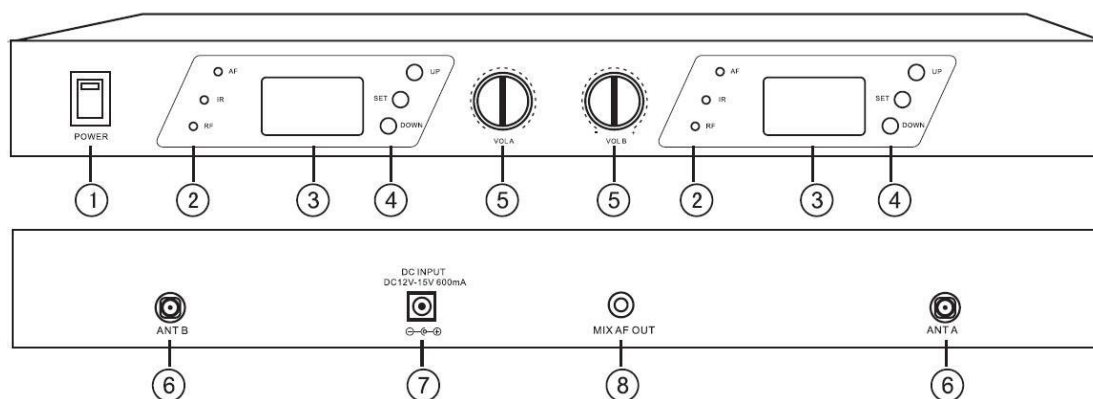
2. DESCRIPTIONS AND FEATURES

With high flexibility and reliability, our UHF wireless meeting microphone system is an ideal choice for mobile conference systems. It offers simple operation, compact structure, elegant appearance, anti-interference as well as UHF, PLL and TONE-LOCK features. The wireless meeting microphone system can be perfectly integrated into any meeting rooms, without additional wiring. In addition, multiple devices can be used together.

- Adopt UHF610-790MHz PLL frequency synthesizer technology, adjustable transmitter frequency and power
- Adopt multi-channel high band and intermediate band frequency selective filtering, fully eliminate interference signal
- Built-in feedback eliminating technology which can decrease the feedback and noise effectively
- Built-in multiple noise detecting circuit and TONE-LOCK system to make sure the system has strong anti-jamming function
- Perfect performance with the best chips and components, adopt SMD original mount design, enhance the product quality and stability
- Automatic scanning and selecting the frequency, easy for installation and using.
- Operation distance up to 100 meters with the best condition, 50 meters in normal condition.

Product complies with **CE** regulations

3. PANEL FUNCTIONS AND CONTROLS FOR 2 CHANNEL RECEIVER



1. POWER

Main power switch

2. AF/IR/RF

AF: When the stands are in use, the corresponding Led is ON.

IR: IR transmitter

RF: When set on channel, there is one transmission active and the corresponding Led is ON.

3. DISPLAY

Displays the information of each channel

4. Navigation keys

Allow to access to the single channel setting

5. VOL

Microphone channel volume control

6. Antenna connector

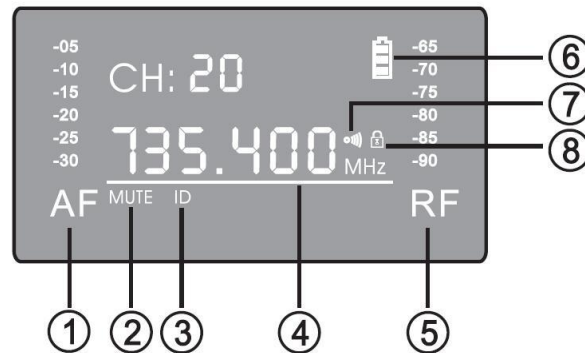
Insert the antenna (supplied with the package) operating in frequency into the correct bayonet connector. Set the antenna vertically.

Note: Do not invert the antenna in order to avoid reducing substantially the reception quality.

7. VDC power supply connector

Connect this connector to AC/DC power supply prior connect to the main power supply 117-230VAC

4. DISPLAY INSTRUCTIONS OF 2 CHANNEL RECEIVER



1. AF

AF audio level

2. MUTE

LCD will display mute if there is no signal

3. ID

Receiver in ID detecting status

4. Channel

Displays current working channel

5. RF

Displays current signals levels

6. Battery symbol

Displays transmitter microphone's battery status.

7. IR symbol

This symbol will flash when receiver transmit IR signal to microphone.

8. Lock symbol

It means the navigation keys are locked

5. OPERATION OF 2 CHANNEL RECEIVER

Connect to the input AC/DC power supply. Prior connect to the main power supply 117-230VAC and switch on the receiver unit through the power key.

Note: the system features the factory setting and does not need any new setting up. The system set up program is done on the same frequency. In case of contemporaneous multi system use, the reprogramming is necessary.

1. Channel adjustment

Press "UP" or "DOWN" key to select the channel, frequency will change automatically, frequency band is 300kHz, total 100 channel.

2. IR sync

Turn on transmitter microphone and receiver first, press “SET” key one time to enter IR sync setting, and then use the microphone transmitter IR sensor aim at the receiver’s IR port, transmitter will save the setting and exit automatically if the IR sync succeed, and RF indicator will display, MUTE symbol will disappear, transmitter microphone will switch the channel and frequency same as receiver.

3. Automatic frequency scanning and selection

Press and hold “SET” key 3 seconds, receiver will scanning and selecting the frequency automatically within 10 seconds, if press “SET” key during the scanning, receive will cancel this operating and remain unchanged.

4. Lock/unlock the channel

Press and hold “SET” key 6 seconds, receiver LCD will display lock symbol, it means the channel has locked, to unlock this channel, press and hold “SET” key 6 second again.

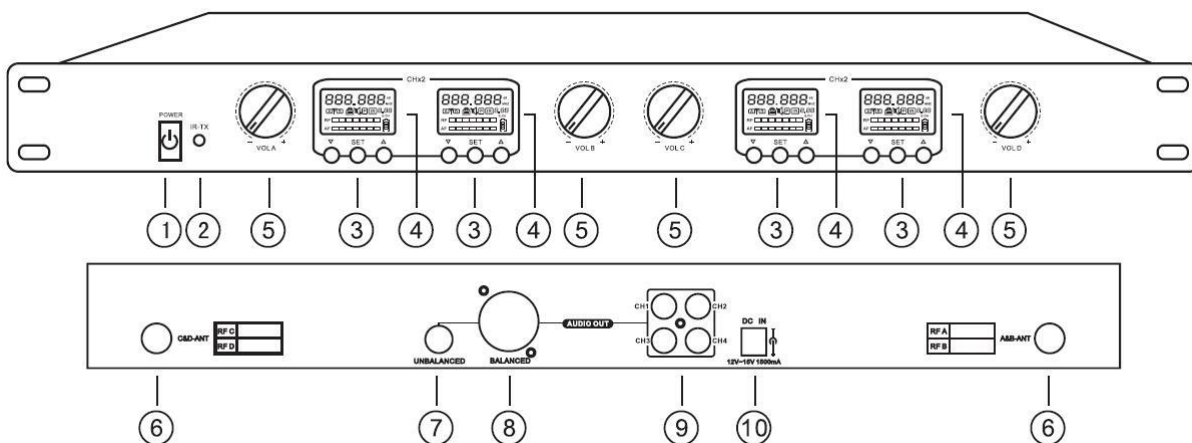
5. ID detecting

Press and hold “POWER” + “UP” key at the same time to turn on the receiver, LCD will display “ID” symbol, receive enter ID detecting status.

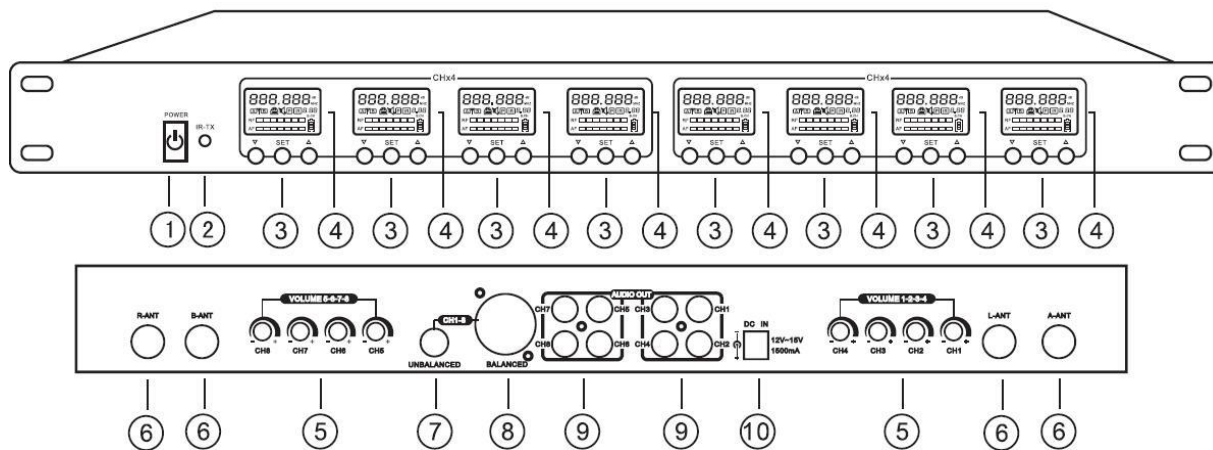
6. Cancel ID detecting

Press and hold “POWER” + “Down” key at the same time to turn on the receiver, the “ID” Symbol will disappeared, receive exit ID detecting status and the anti-jamming capability will become worse.

6. PANEL FUNCTIONS AND CONTROLS FOR 4 & 8 CHANNEL RECEIVER



4 Channel Receiver



8 Channel Receiver

1. POWER

Main power switch

2. IR

IR: IR transmitter

3. Navigation keys

Allow to access to the single channel setting

4. DISPLAY

Displays the information of each channel

5. VOL

Microphone channel volume control

6. Antenna connector

Insert the antenna (supplied with the package) operating in frequency into the correct bayonet connector. Set the antenna vertically.

Note: Do not invert the antenna in order to avoid reducing substantially the reception quality.

7. MIX

Unbalanced and mixed output (XLR3 Male) line level
(Connect this output to the eventual available mixer or amplifier)

8. MIX BAL OUT

Balanced and mixed output line level
(Connect this output to the eventual available mixer or amplifier)

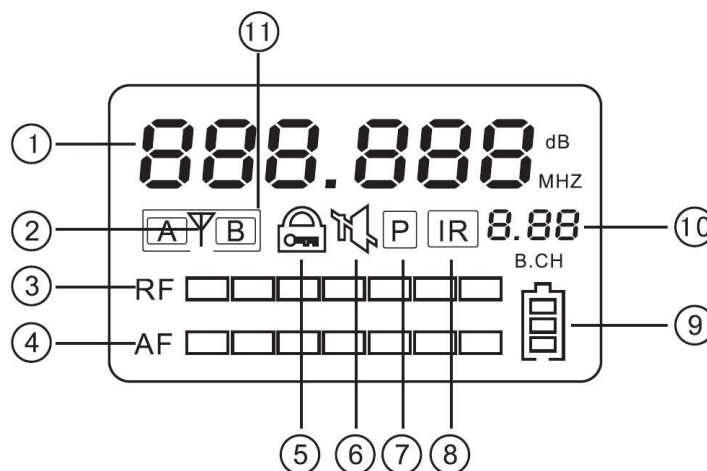
9. Channel 1-4/Channel 5-8

Unbalanced output to each output does correspond exclusively the respective microphone stand signal.

10. VDC power supply connector

Connect this connector to AC/DC power supply prior connect to the main power supply 117-230VAC

7. DISPLAY INSTRUCTIONS OF 4 & 8 CHANNEL RECEIVER



1. Frequency and SQ display

Display currently frequency (MHz) in normal mode and SQ (dB) when debug SQI

2. Antenna symbol**3. RF**

Displays current signals levels (7 levels)

4. AF

Display current AF audio levels (7 levels)

5. Lock symbol

It means the navigation keys are locked

6. Mute door symbol**7. Pilot detecting****8. IR symbol**

This symbol will flash when receiver transmit IR signal to microphone

9. Battery symbol

Displays transmitter microphone's battery status.

10. Channel

Displays current working channel

11. ID detecting

Receiver in ID detecting status or not

8. OPERATION OF 4 & 8 CHANNEL RECEIVER

Connect to the input AC/DC power supply. Prior connect to the main power supply 117-230VAC and switch on the receiver unit through the power key.

Note: the system features the factory setting and does not need any new setting up. The system set up program is done on the same frequency. In case of contemporaneous multi system use, the reprogramming is necessary.

1. Frequency and channel adjustment

- a) Press "SET" key one time to enter frequency & channel setting (CH A), press "UP" or "DOWN" key to select the channel, frequency will change automatically, frequency band is 300kHz, total 100 Channel.
- b) Press "SET" key two times to enter pilot detecting mode. PILOFF: mute door will not be controlled by the pilot signals, PILON: mute door needs ID code verification.
- c) Press "SET" key three times to enter SQL mode. SQLOFF: the receiving sensitivity will not controller by software, SQL -95: receiving sensitivity is -95dBm. SQL-85: receiving sensitivity is -85dBm. the smaller numerical, the higher sensitivity, farther receiving distance and lower anti-jamming capability, if user want the farthest distance, please choose SQLOFF.

2. IR sync

Turn on transmitter microphone and receiver first, press "DOWN" key one time to enter IR sync setting, and then use the microphone IR sensor aim at the receiver's IR port, receiver will save the setting and exit automatically if the IR sync succeed, .

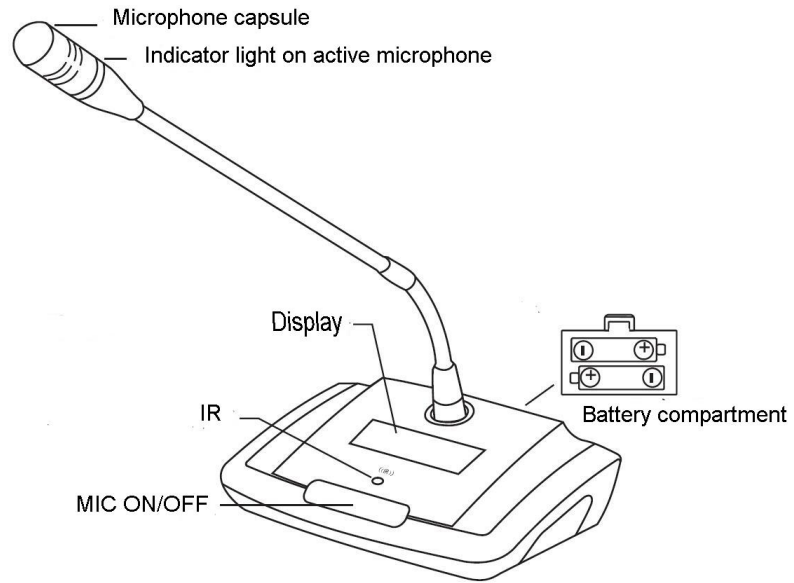
3. Automatic frequency scanning and selection

Press "UP" key one time, receiver will scanning and selecting the frequency automatically within 10 seconds, if press "SET" key during the scanning, receive will cancel this operating and remain

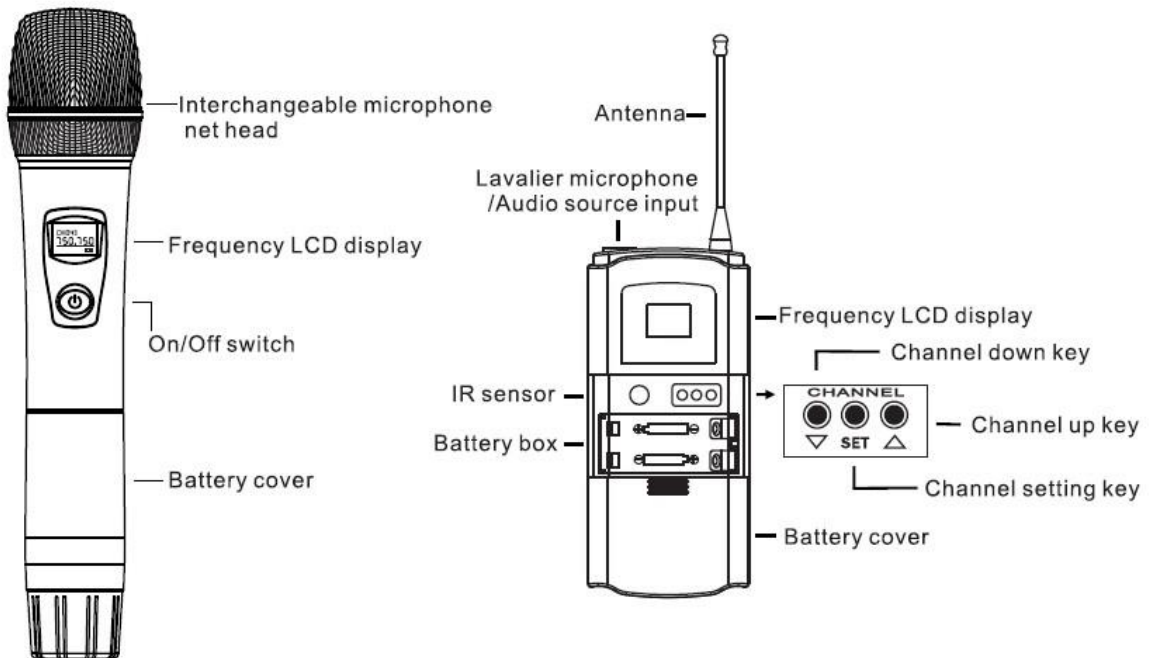
unchanged.

9. FUNCTION AND CONTROLS WIRELESS MICROPHONE TRANSMITTER UNIT

1. Wireless microphone transmitter base



2. Wireless microphone transmitter hand-held and body-pack

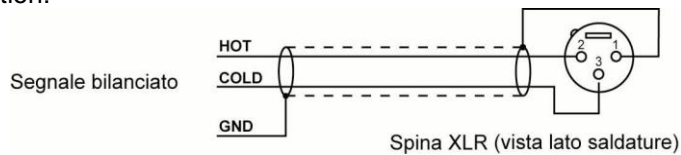


10. OPERATION OF WIRELESS MICROPHONE TRANSMITTER UNIT

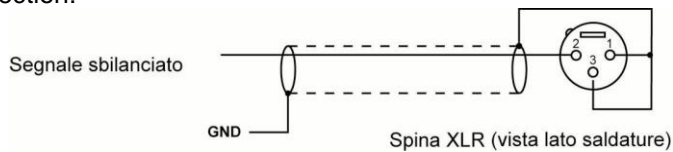
1. Open the battery cover and put into two pieces AA 1.5V batteries, please make sure the battery polar is correct. (Note: Please don't make the battery polar wrong, it would be damaged electronic component inside the transmitter)
2. Press power switch, the power indicator is light; it means microphone transmitter work normally.
3. Place the microphone transmitter IR sensor aim at the receiver's IR port, transmitter will save the setting and exit automatically if the IR sync succeed, and receiver RF indicator will display, MUTE symbol will disappear, transmitter microphone will switch the channel and frequency same as receiver.
4. Turn off the microphone with power switch in 1 second.

11. TYPE OF CONNECTIONS

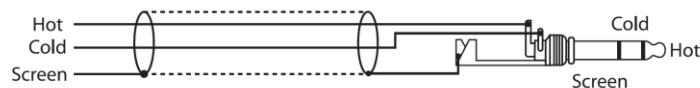
Balanced connection:



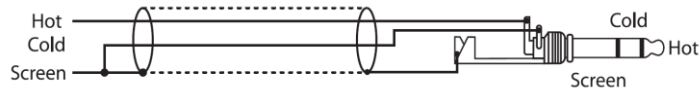
Unbalanced connection:



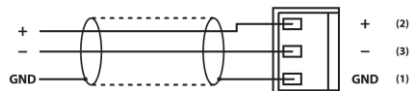
Balanced connection with TRS jack



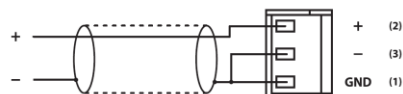
Unbalanced connection with TRS jack



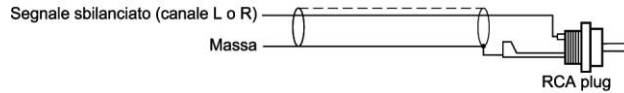
Balanced connection on EUROBLOC connector



Unbalanced connection on EUROBLOC connector



RCA Connection



12. PACKAGE CONTENTTYPE OF CONNECTIONS

- Main central unit with antennas
- 2/4/8 microphone transmitter
- AC/DC power supply
- Connection cables

13. TECHNICAL FEATURES

MODEL	Receiver unit
System	Two/Four/Eight-channels receiver
Frequency band	UHF 610-670MHz; UHF 730-790MHz
Receiver type	PLL UHF Synthesized
Frequency response	50Hz-18KHz (-3dB)
T.H.D	<0.5% 1KHZ
Modulation mode	FM (F3E)
S/N ratio	>105dB
Dynamic range	>105dB
Audio output	Balanced:600mV; Unbalanced: 2V
Power supply	DC12V 110-230Vca adaptor
Power consumption	8W
Dimensions (WxDxH)	483x81x44mm 1U Rack standard 19"

MODEL	Transmitter unit
System	Wireless Microphone Unit
Transmission mode	PLL Multi-channels, up 200 frequency preset for each frequency band
Frequency band	UHF 610-670MHz; UHF 730-790MHz
Frequency response	50Hz-18KHz (-3dB)
Modulation mode	FM (F3E)
RF Output power	High level: 10 dBm; Lower level: 5 dBm
Max deviation	±45KHz
Power supply	Battery: 2xAA 1.5V
Microphone type	Cardioid electret condenser
Gooseneck length	400mm
Dimensions (W x D x H)	168x125x57mm

CE 1622 © R&TTE

This product complies with Directive 89/336/EEC (Electromagnetic Compatibility) and later changes 92/31/EEC and 93/68/EEC, according to the following standards: **EN 50082-1:1997, EN 55013:1990, EN 55020:1994**

furthermore, it complies with Directive 73/23/EEC (Low Voltage) and later changes 93/68/CEE, according to the following standard: **EN 60065:1998**

We maintains a policy of constant research and development, therefore we reserve the right to apply improvements to existing equipment without prior notice.

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