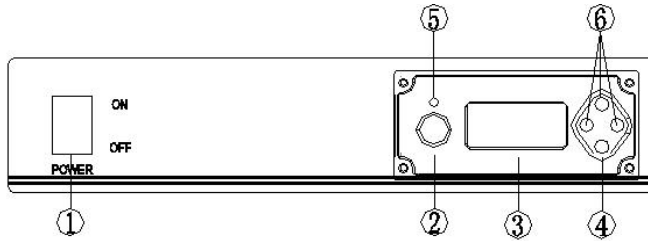# Wireless Microphone

T-531A/531B/531C

USER GUIDE

Before using the system, please read this manual first

It is designed for conference room, school, church and many other indoor applications.

Front View of Receiver
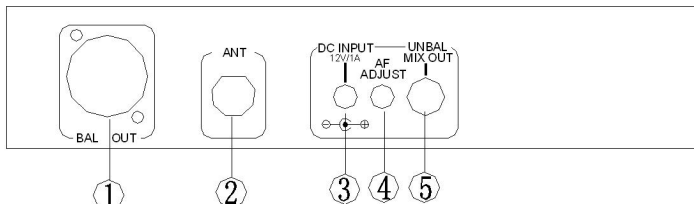

①**Power Switch of Receiver**
②**Volume Control**
③**Display** Shows menu options, receiver and transmitter settings
④**Power Button of Module** function for the best available channel
⑤**IR Align Window** Align with the transmitter IR window during an IR sync to automatically program transmitters
⑥**Menu Button**

Back View of Receiver

①**Output Connector** Balanced
②**Antennas**
③**Power Jack** Connection point for DC of 12V/ 1A power supply
④**Audio Output Level Control** Adjust output level of unbalanced to match the input level requirements of a mixer or amplifier. In

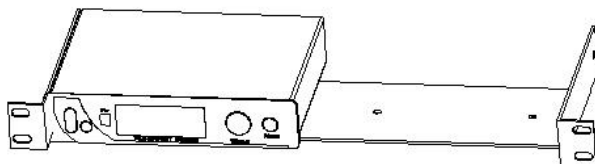most situations, this control should be set fully clockwise

⑤**Output Connector** Mixed unbalanced

SIZE W210*H44*D148mm Be to be mounted in a standard audio equipment rack ˆ identify the rack-mount kits with factory offers (user option) and follow the appropriate assembly directions below
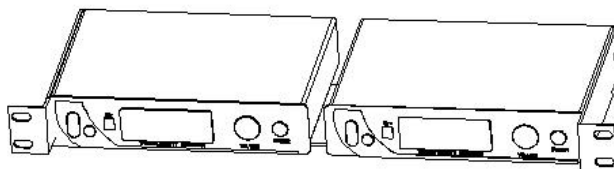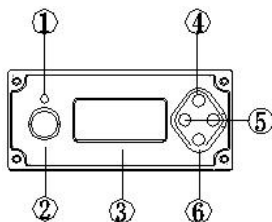
Rack for Receiver Mounted
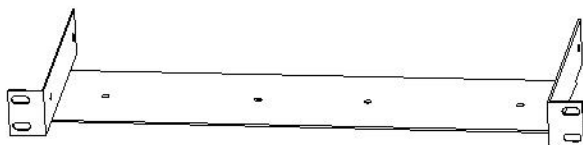
Single Rack-Mounted

Double Rack-Mounted

Receiver Module: Features & Indicators

Factory preset user-selectable 100- frequency

View of Panels

①**IR Align Window** Align with the transmitter IR window during an IR sync to automatically program transmitters

②**Volume Control**

③**Display** Shows menu options, receiver and transmitter settings

④**SET Button** One-touch SET button to sync quickly deploys them to transmitters by IR

   SCAN Press the SET button on module to access the scan function for the best available channel

⑤**Menu Button** Press   "◄" or "►"button to access or select menu screens selected, press the SET button again to save

⑥**Power Switch** Press and hold the power button to turn on receiver module

Operation Receiver

1. Make sure that the transmitter is powered off before turning the receiver power on. Press and hold the receiver power button, the LCD will glow and turn on. Then press "◄" or "►" button to choose function

Operation Receiver Channel

   Make sure that the transmitter is powered off before turning the receiver power on. Press the receiver power button, the LCD will

glow and turn on, then press "SET" button to access the scan function for the best available channel
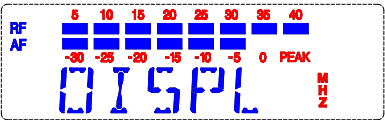
The LCD display
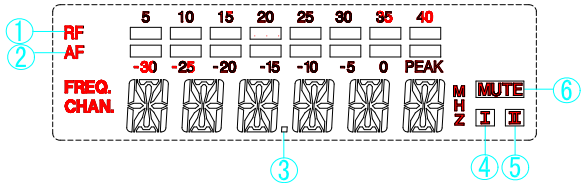
①RF bar indicators: 8-bar indicates the strength of radio frequency signal.

②AF bar indicators: 8-bar indicates the strength of audio signal

③When the LCD shows FREQU, it is the current working frequency

④When the LCD shows CHANNL, it is the current working channel.

⑤6-segment shows: frequency, channel and menu.

⑥Mute sign shows that no RF signal is received.

A. Main Menu

Press "SET" button，the LCD below will present on display first

After 2-3 seconds, one of two pictures below will present: it depends on last status before turning the system off. The CPU of receiver remembers last status LCD displays what stored last time when the CPU was shut off.
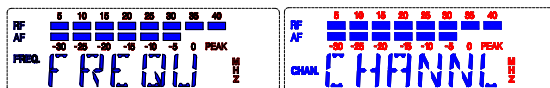
B. Scan Frequency

The receiver scans the RF spectrum for the best available frequency

Press SET button to star the scan
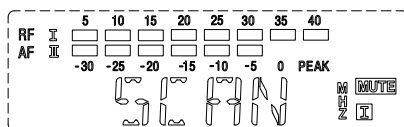
When the scan is complete, the selected channel will appear on the display.

C. Manual Frequency

When press "◄" or "►" button. It shows 0-99 or 100-199 digits when choose CHANNL; it shows real carrier frequency when you choose FREQU.
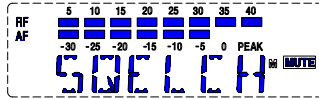
After set, Press "SET" button to save, if not save, the receiver will return to last status. The LCD will blink if no confirmation is made; this is to invite a confirmation.
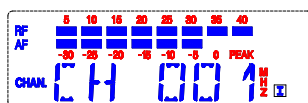
(The LCD will display one of the above depends on last status)

D. How to set MUTE of receiver

Press "SET" button to access SQELCH menu

Press "SET" button and hold seconds, LCD will display Squelch like 15 dB indicates sensitivity status. Press "◄" or "►" button to change current status if need. This point is a factory pre-set at: 0-40dB. 5, 10, 15, 20, 25, 30, 35, 40dB positions are to provide optimal operation in most applications. Position at 40 dB will decrease operating range.
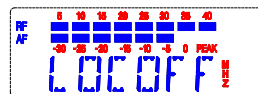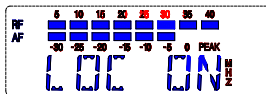
E. System lock operation

Control lock options is available for receiver to protect against accidental or unauthorized changes.

Locks can be directly set from the menu as follows

Press "SET" button for 2-3 seconds, LCD will appear on the display as follows

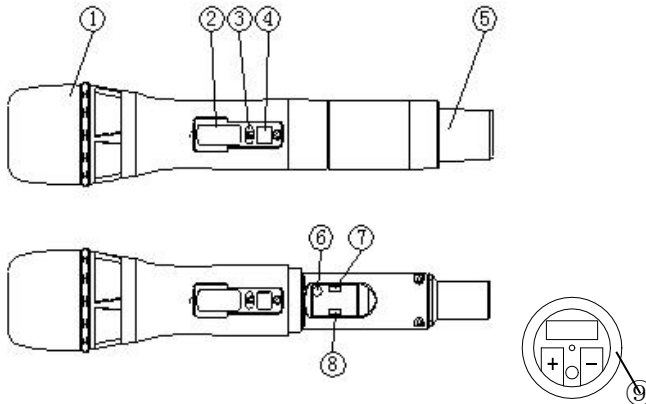After 2-3 seconds, LCD will change to one of the following diagrams.

It depends on the last status when LCD was turned off to see what it will show now.

If the LCD shows LOC ON, Protect against accidental or unauthorized changes

If it is in LOCK ON mode, press "SET" button and hold then press "◄" or "►" button to set to LOC OFF.

6

HANDHELD TRANSMITTER CONTROLS, FEATURES & INDICATORS

①**Metal Grille** Hexagonal-shaped to protect the microphone cartridge from being damaged, reducing breath sounds and wind noise.

②**LCD Display** Indicate channel and remaining battery life

③**IR Align Window** Align with the receiver IR window during an IR sync to automatically program transmitters.

④**Power Switch Button**

⑤**Handheld Integrated Antenna**

⑥**Microphone Gain Control** Provide audio level adjustment to accommodate different sound source

⑦**RF Power Setting** Lo or Hi

⑧**Lock On/Off Switch** Protect against accidental or unauthorized changes

⑨**Charger Port** Using factory offers bay chargers and works Ni-MH AA rechargeable batteries only
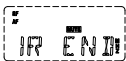
IR Sync for Automatic Handheld Transmitter Set Up

① Turn on the handheld transmitter

② Press the SET sync button on receiver . the IR LCD indicating

   the sync mode is active PRG IR

③ Align the IR sync windows of the handheld transmitter and
   receiver at a distance of less 20 CM. When the handheld
   transmitter and receiver are aligned. The display of handheld
   transmitter will appear channel No. as same as receiver when

   IR sync is complete

④ If the IR sync fails, repeat IR sync procedure again IR END
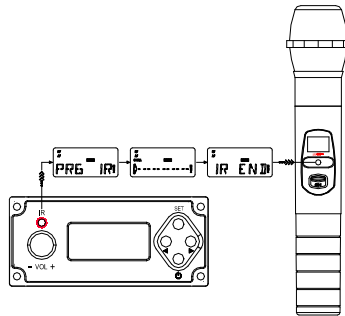
BODY-PACK TRANSMITTER CONTROLS, FEATURES & INDICATORS
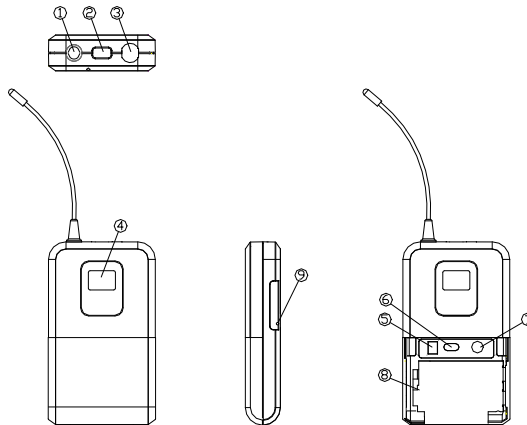
①**Audio Balanced Input Jack**
②**Power Button**
③ **Antenna**
④**LCD Display**   Shows channel and battery life
⑤**IR Align Window** Align with the receiver IR window during an IR sync to automatically program transmitters
⑥**RF Power Setting**   Lo or Hi
⑦**Microphone Gain Control**
⑧**Battery Compartment**   Recommend Ni-MH AA batteries×2 or AAX2 rechargeable batteries

System Specification

Frequency Range: UHF range.640-690MHz and 826-832MHz and 863-865 MHz

Modulation Mode: PLL

Bandwidth: 50 MHz

Channel: 200 Channel interval 250 KHz i

Stability: +/-0.0005%

Dynamic Range: 100dB

Max Deviation: +/-80 KHz

Frequency Response: 100Hz-15 KHz+/-3dB

S/N: >90dB   Distortion: <0.5%

Operation temperature -10°~ 40°

T.H.D: <0.5% (at 10KHz Deviation)

Power Supply: DC 12V

Audio output: Balanced each&   Mixed unbalanced

LCD displays: Accumulative working time after battery

Replacement, frequency, RF input level, AF level, battery status

Muting RF level and wireless channel information.

Specifications of Receiver

Receiving Mode: PLL synthesized oscillation mode

Inter Frequency·· First 110MHZ, second; 10.7MHz

Antenna Type: BNC type/50 Ohms

Sensitivity·· 12 dBμV (80dBS/N)

Sensitivity range: 12-32 dBμV

Spurious Emission: ≥75dB

Max audio output: +10 dBV

Spec of Transmitter··

Antenna, Built

RF Output: Hi: 30mW·ˆ LO: 10 mW (meet CE regular)

Spurious Emission·· -60dB