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Stationary Transmitter/Stationary Receiver

TG-10STX / TG-10SRX

Thank you for choosing the JTS wireless system. In order to obtain the best efficiency from the system, you are recommended to take a few minutes to read this instruction manual carefully.

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TG-10STX Stationary Transmitter

1. Important Cautions

- Make all connections before plugging the unit into an AC power outlet.
- Do not leave the devices in a place with high temperature or high humility.
- Do not handle the power cord with wet hands.
- Keep the devices away from fire and heat sources.

2. Introduction

The TG-10STX is an UHF PLL stantionary transmitter with 16. It works with all JTS 16 channel indication 0,1,2.....9,A,B......F. Together with directional antenna UDA-49P, antenna booster UB-900 the TG-10STX can provide stronger signal for larger coverage.

3. Specification

TG-10STX

470~960MHz
Hi / Low
±40KHz
20ΚΩ
-20 dBV
0 dBV
AF Level, Channel
2 x Balanced XLR / Ø6.3mm Combo input
1 xØ6.3mm Combo input
1 x Ø3.5mm phone Socket
2 x Ø6.3mm Balanced Loop Out Socket
12-18 VDC, 450 mA
212mm (W)* 44mm (H)* 239mm (D)
16 selectable channels

4. Parts Identification & Accessories

TG-10STX

- 1 Power On/Off switch
- **2** LED Display
- 3 Channel Selector
- 4 Set button
- **5** Volume control
- 6 Monitor volume control
- 1/8" Stereo Phone Jack
- 8 Antenna
- OC input (12~18V 600mA)
- 1 Balanced Loop Out Connector CH.1
- 1 Balanced Loop Out Connector CH.2
- Balanced XLR/Ø6.3mm Combo Input Left / CH.1
- Balanced XLR/Ø6.3mm Combo Input Right / CH.2
- BNC Antenna Output Socket
- (5) Monitor input(mono Ø6.3mm phone jack)
- 1 Input CH1 48V phantom power switch





Optional Accessories

- RM-901 Rack Mount Kit
- 18 RTF-1 Antenna Extension Cable





5. Preparing procedures & basic operation

- TG-10STX
- (1.) Connect the main unit Connect the DC INPUT in the rear panel of TG-10STX to an AC to DC adaptor.
- (2.) Basic operation
 - 1. Connect the mixer output to the XLR / Ø6.3mm combo CH1 input at the rear panel of TG-10STX with AF input cable.
 - 2. Connect the gooseneck mic and gooseneck mic base at the XLR / Ø6.3mm combo CH2 input at the rear panel of TG-10STX with AF input cable.
 - 3. Connect the TG-10SRX or CS-1CU at the Ø6.3mm mono CH3 input at the rear panel of TG-10STX with AF cable as an source for interpretation.

NOTE:

1. Two balanced XLR / Ø6.3mm combo inputs are provided. You may use either one input or both for a stereo source. Also, two balanced Ø6.3mm loop out connectors are provided for multiple systems application.



NOTE:

2. CH3 is an input signal only for monitoring through monitor headphone and will not be transmitted.

(3.) LCD Display

- AF Level of CH1
- 2 AF Level of CH2
- 3 Monitor channel display
- 4 Channel display
- (4.) Attach the antenna

The user-friendly antenna comes with BNC connector.

Connect the antenna on the rear of the transmitter and align it upward.

(5.) Power On / Off

Turn on or turn off the transmitter by pressing the "POWER" button.

(6.) Volume

Adjust the volume to a proper level.

(7.) Monitor Volume

Adjust the monitor volume to a proper level. Note that by pushing Monitor Volume user can choose CH1 / CH2 or CH3 to listen.

(8.) Select channal

- 1. Press "set" button for about 3 second and then "." starts flashing on the pannel.
- 2. Press "+ "or "- "button to increase or decrease the channel number.
- 3. Press"set" button again to store the channel.





ANTENNA OUT





CH1/CH2 VOLUME



MONITOR



(9.) Set the rubber pad

Four self-adhesive rubber pads are provided to ensure the stability. They are to be placed on the bottom of the transmitter.

(10.) RTF-1 Antenna Extension Cable (Optional) Antenna extension cable enables front mounting antenna which benefits the RF effeciency.



(11.) RM-901 Rack Mount Kit (Optional)

Rack mount kit is available to install the half rack transmitter into a standard EIA rack.



6. Loop Out Application

Multiple Systems

Make use of the loop out connectors to deliver one signal from the mixer to multiple TG-10STX or other devices.

- 1. Connect the mixer outputs to inputs of the first transmitter.
- 2. Connect loop out connectors of the first transmitter to the second one.
- 3. Connect subsequent systems in the same way.



TG-10SRX Stationary Receiver

1. Important Cautions

- Always make all connections before plugging the unit into an AC power outlet.
- Do not leave the devices in a place with high temperature nor high humidity.
- Keep the devices away from fire and heat sources.

2. Features

- Operated in UHF band where there is less RF interference than the VHF band.
- Due to the PLL synthesized technology, the system can offer up to 16 selectable frequencies for choosing simultaneously.
- The true diversity reception with 2 independent RF receivers ensure the stable transmission and reception.
- · Adjustable Pilot tone squelch control can effectively reduce the noise.
- · Equipped with S.A.W. filter benefits the interference-resistant.
- Tuned antennas can benefit the stable RF reception.
- Built-in Noise Squelch circuity & Mute function are available to restrain the interference for signals.
- · Compact half-rack receiver design is considerable for the space saving.
- Rugged metal housing can pass through the difficult environment.
- · Equipped with balanced XLR and unbalanced output allow great convenience.
- · Anti-interference design is available to work with every computer device.

3. Specification

TG-10SRX

Frequency Preparation	PLL Synthesized Control
Carrier Frequency Range	470~960MHz
S/N Ratio	> 105dB
T.H.D	<0.6%@1KHz
Display	LED
Display Contents	AF Level, Channel
Controls	Power On/Off, Channel, Audio Level
Audio Output Level	-12dB
AF Output Impedance	600Ω
Squelch	Pilot Tone & Noise Mute
Operation Voltage	12-18 VDC, 350 mA
Output Connector	1 XLR Balanced Socket
	1 Ø6.3mm unbalanced phone jack
Dimension(m/m)	$212mm(W)^{*}40mm(H)^{*}125mm(D)$
Channel	16 selectable channels

4. Parts Identification & Accessories

TG-10SRX

- 1 Power On/Off switch
- 2 Channel Selector
- 3 Set button
- 4 LED Display
- **5** Volume control
- OC socket for connection of main unit
- AF output, Ø6.3mm phone jack socket (AF UNBAL)
- In AF output, XLR socket (AF BAL)
- Antenna input socket
- 10 Antenna





Optional Accessories

- 1 DR-900 Dual Rack Adaptor
- RP-900 Panel Cover
- 13 GC-80/GC-100 Guitar Cable
- 4 GC-80L/GC-100L Guitar Cable



5. Preparing procedures & basic operation

TG-10SRX

(1.) Power output connector

Plug in one end of AC/DC adaptor cable to DC input socket in the rear panel of receiver, and plug another end into an AC outlet.(Step 1)

(2.) Audio output connector

Connect one end of the AF output cable to the AF output socket in the rear panel, then plug another end to the "MIC IN" input socket of a mixer or amplifier.(Step 2) TG-10SRX equipped with balanced XLR output and unbalanced Ø6.3mm output, choose the proper way for use.





(4.) Setting the rubber pad Four self-adhesive rubber pads are provided to ensure the stability. They are to be placed on the bottom of the receiver.



(5.) Connecting the antenna

The user-friendly TG-10SRX antenna comes with easy mount on socket for effortless. Connect two antennas on the back of the the receiver and align them upward.

- (6.)Turning the receiver on/off Turn the receiver on by pressing the "POWER" button.
- (7.) Adjusting the AF output level Use the AF output level control located on the front side of the receiver to adjust the AF signel level that appears at output.
- (8.) DR-900 dual pack adaptor The dual rack adaptor is available to unify the half rack space into a standard EIA size with single or dual units.









- (9.) Basic operation
 - 1. Turning the receiver on and off by pressing the POWER button.
 - 2. Press the SET button for 3 seconds to select channel and group.
 - 3. Press the SET button again to store once you make any changes.

4. Press the UP or DOWN button to adjust the setting of a menu.

6. Recommendation

- 1. In order to achieve the optimum reception condition and also extend the operating distance, please leave on "open space" between the receiver and transmitter.
- 2. Keep the devices away from the metal objects or any interference sources, at least 50 cm.
- 3. To avoid the feed-back effect, don't leave the mic. to aim at the speakers directly.
- 4. For best pick-up pattern, please hold the middle of the mic. body.