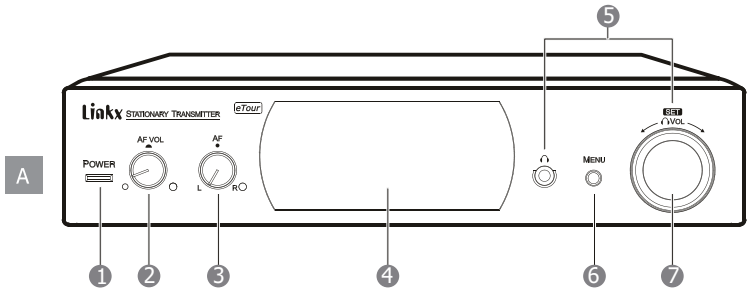
Overview of the Operating Panel



A Front Panel

❶ **Power switch**

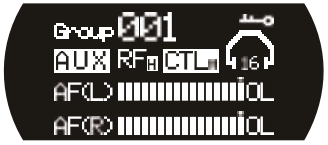
Display is illuminated: System in ON / operational mode
Press the power button to turn the TG-500ST on. When display is illuminated, it indicates system is ready to use. Press the power button again to turn the TG-500ST off.

❷ **AF input volume control**
Turn the knob to adjust volume. Knob fully counter-clockwise will MUTE the audio volume

❸ **AF L(Ⅰ)/R(Ⅱ)balance control**
Turn the knob left or right to set the audio balance of the transmitted signal

- When two separate/different audio sources are connected to AF input L(Ⅰ)/R(Ⅱ) on the rear panel, adjust this knob to choose the source you like to transmit.
- Turn the knob left increases the audible volume of the AF L (Ⅰ) channel and Turn it right increases the audible volume of the AF R (Ⅱ) channel

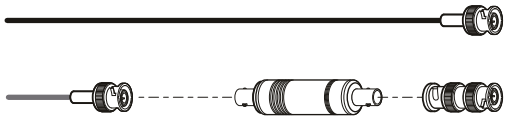
❹ **OLED screen**



❺ **Headphone output 3.5mm jack with volume control for monitoring**

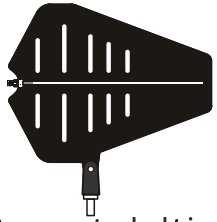
❻ **Menu button**

❼ **Easy to use menu navigation button**

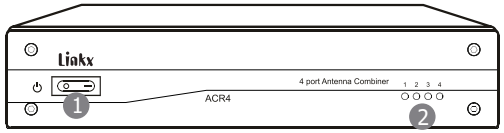


AB-01UHF

* AB-01UHF Antenna Booster maybe used to compensate for RF loss associated with long coaxial cable operation. But be careful to avoid overloading the RF signa



Prepare a standard tripod, microphone stand or other ceiling mount bracket, and a sufficient length of terminated coaxial cable if using ANT-100WD.



ACR 4
Front Panel

❶ **Power switch**

❷ **RF Input (1~4) LED Indicators**
When the stationary transmitter is powered on and its RF output is connected to the ACR4 input, the corresponding RF input LED on the front panel of the ACR4 will light in blue.

❸ **12V DC, 1.2A Max Power Input**

ACR4 4port Antenna Combiner Specification

Frequency range	UHF 500 - 937.5 MHZ
Gain	0dB+2.5dB
MAX input power	10dBm (10mW)
Intermodulation attenuation	< -50dBc
RF input	4 BNC (Female)
RF output	1 BNC (Female)
Impedance	50Ω
Power Supply	DC 12V, 1.2A
Dimension	215(W) x 157(D) x 43(H) mm
Weight	682 g
Enclosure	Black half-rack metal housing

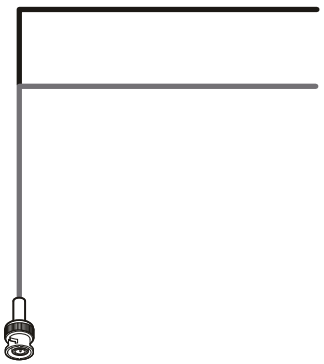
Multiple-Channel Wireless Interpretation / Monitor System

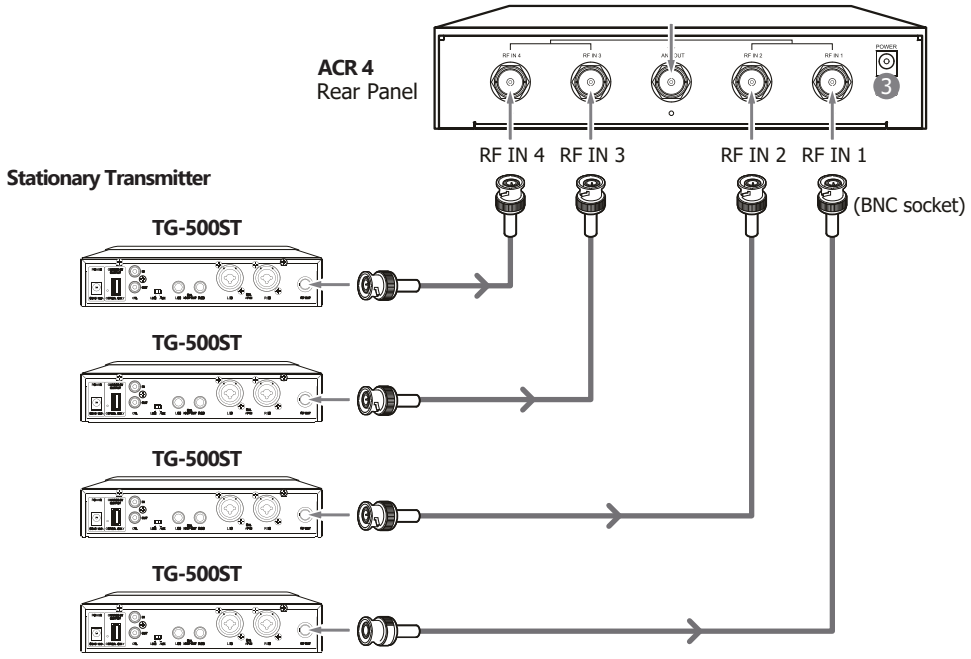
up to 4pcs of Stationary Transmitters with 1pc of ACR4 4port Antenna Combiner

The ACR 4 is a broadband 4 RF input port antenna combiner designed to connect up to four transmitters to create large multi-channel systems. It operates over an ultra-wide frequency range of 500 to 937.5 MHz with four BNC RF inputs, one BNC RF output and four RF input blue status indicator LEDs. A 50 ohm load connector is attached to each RF input for use with no antenna input to prevent unwanted radio interference noise.

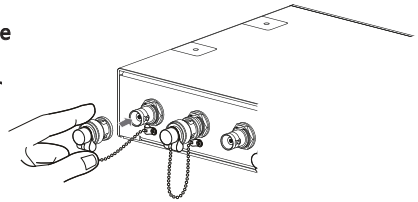
ACR 4 greatly improves the transmission quality, reduces intermodulation distortion and signal loss due to multipath interference. The ACR 4 is compatible with the Linkx wireless fixed transmitter TG-100ST/200ST/ 300ST/288ST/500ST.

The ACR 4 features a black, rugged, half-rack metal enclosure. The optional rack mount bracket kit allows you to mount one or two ACR 4 combiners into the 1 RU space of any standard 19-inch equipment rack.

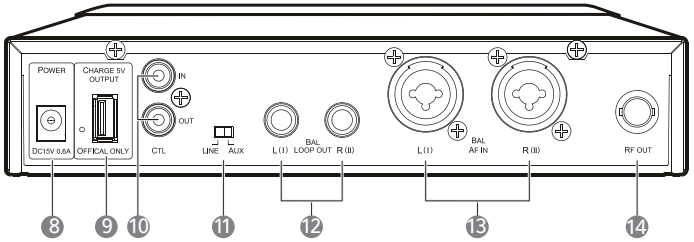




Note: If there is no signal coming at the input, be sure to connect the included 50 ohm load connector to the BNC socket to prevent unwanted radio interference noise.



B



B Rear Panel

⑧ **DC In 15V 1.6A**

⑨ **5V charger output / Engineering service interface for product maintain and software update**

⑩ **Multiple transmitters network loop connection**

⑪ **AF input sensitivity level switch (Aux / Line level switchable)**

⑫ **Audio output / Loop out / Balanced, 6.3mm jack**
Left (Ⅰ) & Right (Ⅱ)

⑬ **Audio input / Balanced, XLR & 6.3 combo**
Left (Ⅰ) & Right (Ⅱ)

⑭ **RF Antenna output, BNC socket**
- Connect standard dipole antenna AN0510-5501BBN
- Connect Directional Log Antenna ANT100WD with Antenna Booster AB-01UHF enhances signal transmission. Ideal for increasing operation range and reducing reliability concern from outside interference

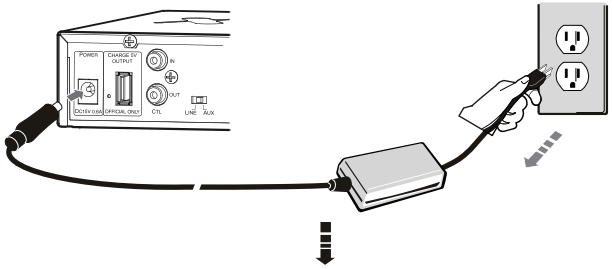
Related products

ANT-100WD: Directional UHF log antenna
AB-01UHF Antenna Booster
eTour Digital UHF tour guide system
- TG-500T: portable transmitter
- TG-500R: portable receiver

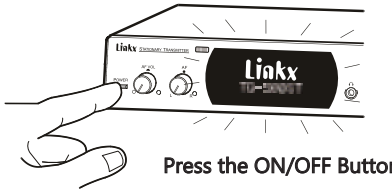
Installation and Setup

Connect the Power Adaptor

Only use the power adaptor supplied to ensure safe operation. Plug power supply into TG-500ST and power cable into AC wall socket.



Briefly press the power button, the receiver switches on and the display illuminates.

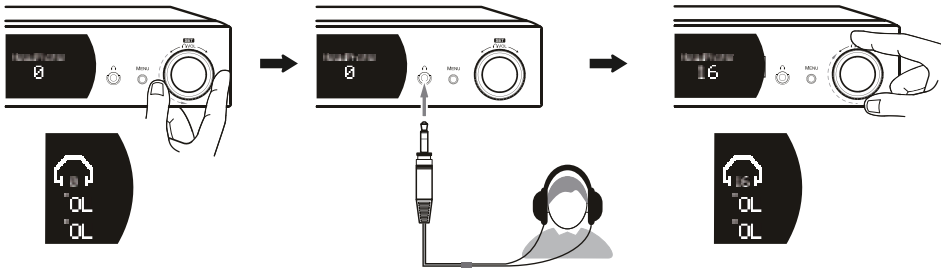


Press the ON/OFF Button

Connect the Headphone

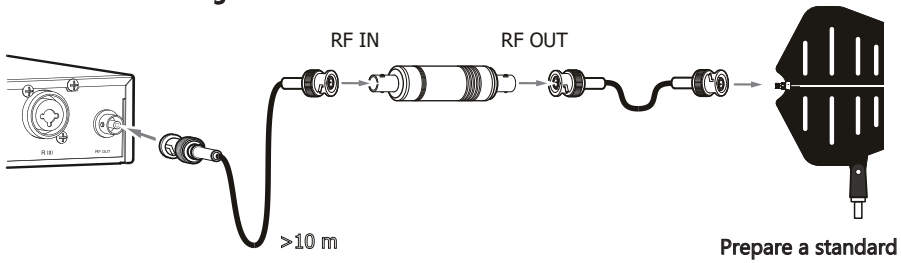
1. To avoid permanently damaging your ears with extremely loud volume, turn the volume knob of the headphone to fully counter-clockwise (the minimum sound level) before wearing your headphone.
2. Connect the headphone with 3.5mm jack and monitor the contents
3. Wear the headphone and gradually turn up to reach your desired volume

STEP 1 **STEP 2** **STEP 3**



AB-01UHF Antenna Booster + ANT-100WD Directional Log-Periodic Antenna

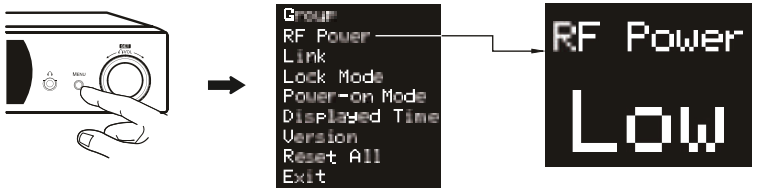
Condition: Cable length exceeds 10 meters



Prepare a standard tripod, microphone stand or other ceiling mount bracket, and a sufficient length of terminated coaxial cable if using ANT-100WD.

TG-500ST parameter setup

STEP 1 **STEP 2**



- Use the AB-01UHF antenna booster to compensate for signal loss during long coaxial cable operation
- Set the RF power setting on the stationary transmitter to the appropriate level (it is recommended to start from the "Low" level) to avoid RF signal overload.