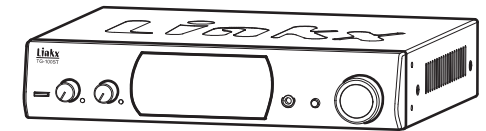




DIGITAL UHF SIMULTANEOUS INTERPRETATION

TG-500ST User Guide



Linkx

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Manufacturer Declarations

Warranty

Linkx gives a limit warranty of 1 year on this product
In compliance with the following requirements:



RoHS Directive (2011/65/EU)



WEEE Directive (2002/96/EU)

Declaration of Conformity



FCC Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- . Reorient or relocate the receiving antenna.
- . Increase the separation between the equipment and receiver.
- . Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- . Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example - use only shielded interface cables when connecting to computer or peripheral devices).

FCC Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

Specification

TG-500ST Digital UHF Simultaneous Interpretation

Carrier frequency range	UHF 500-952 MHz
RF range (open field)	400m (with Directional Antenna)
Modulation	GFSK
Frequency preparation	-
Audio sampling	42kHz 16bit < 1%
Latency	32ms
Nominal / Peak deviation	-
Dynamic range	> 80 dB
Frequency response	20Hz~17KHz
THD at 1KHz	< 1%
Operating temperature	-10 ~ 50°C
RF output power	Hi: 10mW Mid: 5mW Lo: 2.51mW
AF input with level switch	2, Combo XLR & 6.3mm jack; electronically Balanced; Aux -10dBV, Line +4dBu
Loop output	2, 6.3mm jack
Headphone output	3.5mm jack
Screen	OLED
Antenna Jack	BNC type
Power	DC 15V / 1.6A
Dimension	215(W) x 190(D) x 44(H) mm
Weight	516 g

Safety Precautions



Caution :
To Reduce The Risk Of Electric Shock
Do Not Remove Cover (Or Back)
No User-serviceable Parts Inside
Refer Servicing To Qualified Personnel

Certifications



Linkx systems are manufactured using lead free processes and are free of materials harmful to the environment. They conform to the most stringent new European guidelines for consumer products (RoHS).

Safety Instructions

Read Instructions
All safety and operation instructions should be read before operating this product.

Retain Instructions
Safety and operating instructions should be kept for future reference.

Water & Moisture
This product should not be operated near water.

Heat Environment
Do not subject this product to excessive heat conditions.

Power Source
This product must be connected to an AC power source per the voltage input specified and marked on the power supply.

Power Cord Caution
Power cable should be routed clear of foot traffic and supported clear of kinking or abrasion.

Object Protection
Locate the operating unit so it will not be subjected to falling objects or water entry.

Internal Service
User should not attempt to service this product. All internal service must be accomplished by a qualified technician.

Electric Shock
Do not adapt or modify the AC power plug thus lifting the earth ground connection.

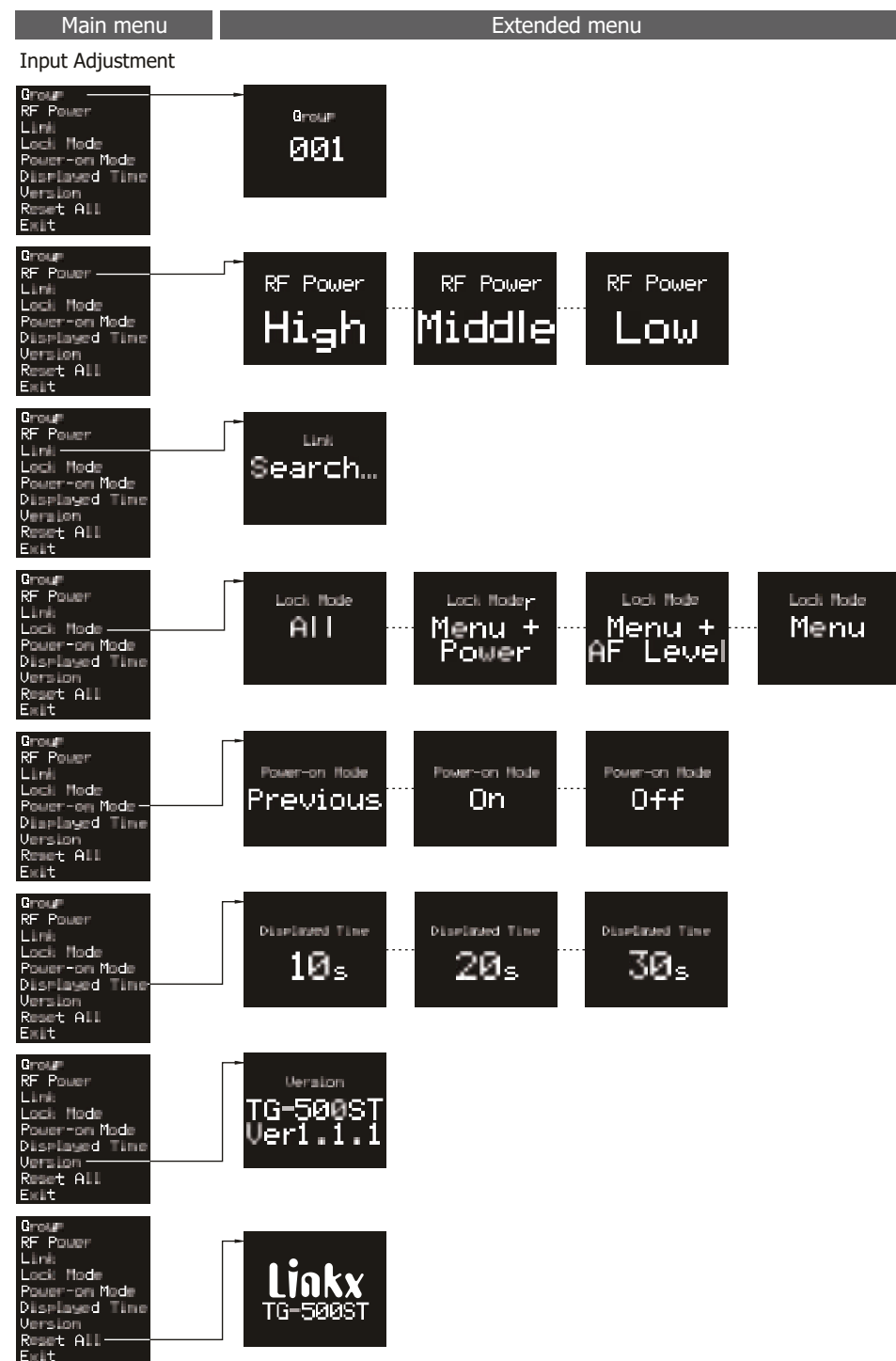
Features

The eTour ST single channel stationary transmitter is used to transmit reliable and optimal audio quality to eTour portable receiver. System provides superior transmission coverage and comprehensive solution with abundances of key features; suitable for mid-to-large scale of simultaneous interpretations and stationary guided tours.

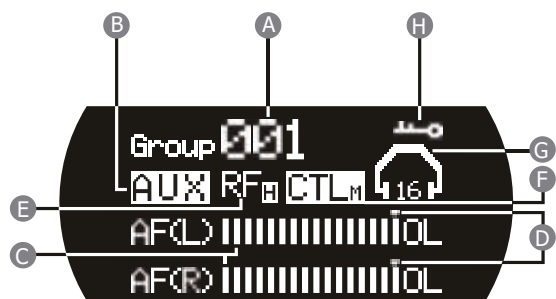
eTour ST series stationary transmitter handles multiple inputs (i.e. microphones and auxiliary devices) with adjustable settings. The OLED screen displays group status, input volumes and rich details of operation parameter.

TG-500ST is compatible with TG-500 portable tour guide system. Ideal for flexible usage in the venues; completely fulfills group guide essential needs.

- OLED high-resolution screen with easy control menu navigation.
- Two inputs accept a wide variety of audio sources, XLR & 6.3 combo connector with selectable Aux / Line signal level
- Controllable AF L(I) / AF R(II) output balance
- Assorted frequency ranges available
- eTour String Process Technology for group coordination and assignments across multiple transmitters
- Adjustable RF output power
- Headphone monitors transmitting contents
- Enhanced transmitting distance by utilizing the directional log antenna ANT-100WD



Menu and Display Illustrations

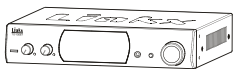


- A Group code
- B AF input sensitivity level indicator (Aux / Line)
- C Left (I) & Right (II) Audio signal level meter with overload/peak hold function
- D Audio output volume
- E RF output level
- F Network control Master/Slave indicator
- G Headphone volume
- H Lock mode icon

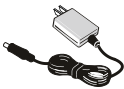
Menu item	Function of the menus
Group code	Group adjustment
RF Power	RF power adjustment:High/Middle/Low
Link	When there is an interconnection of multiple transmitter,the master transmitter will search and loop through all the transmitters and show briefly total number of transmitters on the screen when completed.
Lock Mode	Select lock option: All, Menu+Power, Menu+AF Level, Menu
Power-on Mode	When power supply is connected, the system operation condition will turn On, stay Off or remain the same as Previous condition
Displayed Time	Time to exit the menu and return to home screen
Version	Modle number and version of the device
Reaet All	Return all the parameters to factory default settings
Exit	Exit the menu and return to home screen

Checking the Supplied Items

First check the model number of the main system purchased. The accessories supplied may differ depending on the model and your request.



TG-500ST

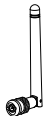


Adaptor



User Manual

Antenna Option (Standard)



AN0510-5501BBN
Dipole Antenna



ANT-100WD
Directional Log-Periodic
Antenna



AB-01UHF
Antenna Booster

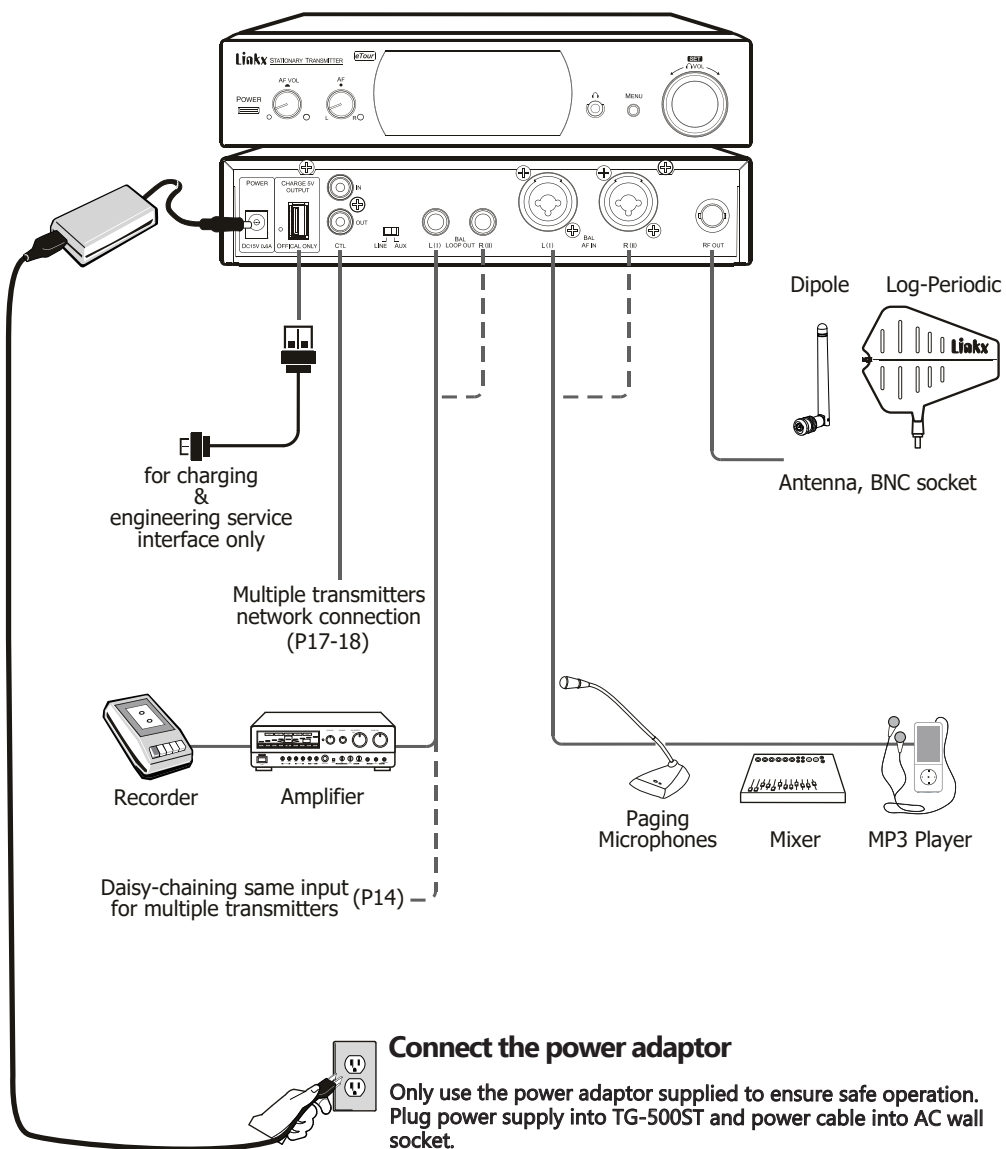


ACR 4
4port Antenna Combiner
4 in 1 out

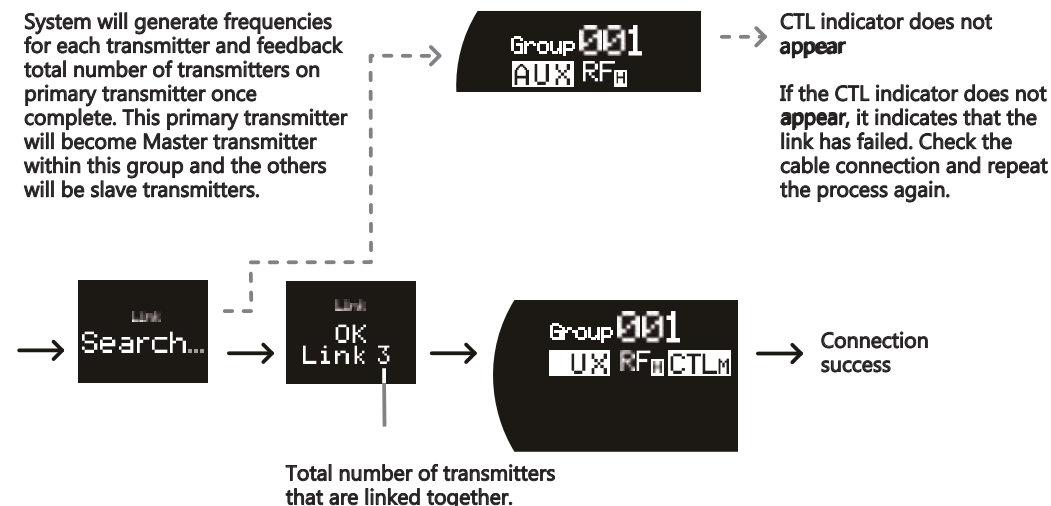
Application Diagrams and Options

Set up TG-500ST

- Place TG-500ST on a flat surface or Mount it into a cabin or under the shelf special rack



System will generate frequencies for each transmitter and feedback total number of transmitters on primary transmitter once complete. This primary transmitter will become Master transmitter within this group and the others will be slave transmitters.

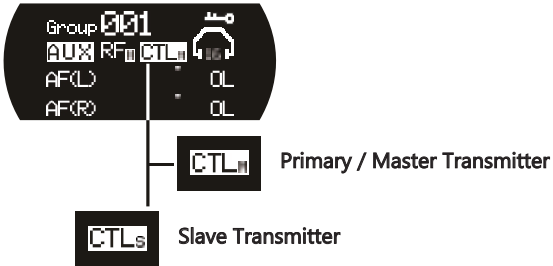


Important Hint:

- If you do not reassemble the entire system, the link process will be performed automatically when the master transmitter is turned on next time. The system will instantly form a network for all the transmitters.
- Performing the link process on the Master transmitter will automatically wake up/turn on the entire transmitters in this system. You do not need to manually turn on each transmitter.
- The link will fail when the system detects a lost, add, or a different connection path. Check the cable connection and repeat the process again.

Network Connection Control - string process technology for group coordination and assignments across multiple transmitters

System will generate a group code to each transmitter and feedback total number of transmitters within this closed loop connection.

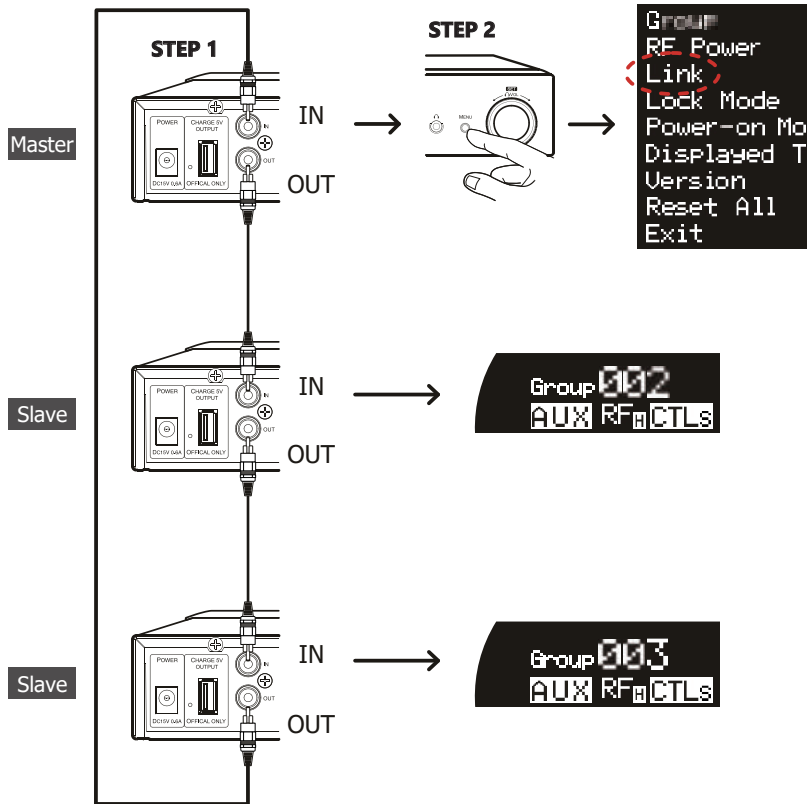


STEP 2: Operate

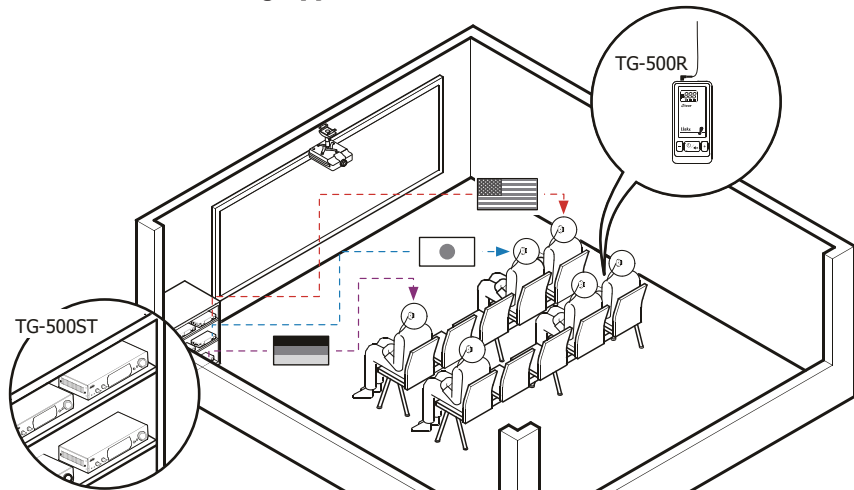
On your primary transmitter, press the MENU button on the front panel to enter the main menu. Select the "Link" icon, and start the link process.

STEP 1: Set up

Use coaxial cable to connect terminal "OUT" from the first transmitter to the terminal "IN" of next transmitter. Then follow the same steps, and remember to connect the terminal "OUT" of the last transmitter to the terminal "In" of first transmitter to form a closed loop control connection



Tour Guide & Broadcasting Application



Simultaneous Interpretation Application

