

TX-300V Transmitter

Every signal chain lives from its strong members. The 9.5" transmitter TX-300V from Phonak is the ideal transmitter for the world's first (and only!) in-ear RF receiver: invisity. The TX-300V covers the entire frequency range from 150-220 MHz. Twenty frequencies are freely programmable along with the transmission strength and channel names. Individual inputs as well as Automatic Gain Control are supported. Included in the delivery are a power supply, a dipole antenna, a wall-mounting assembly and an antenna cable. A 19" rack-mount kit for one or two TX-300V transmitters is available as an option; included is a transparent adjustable security cover limiting access to the unit.



- | | |
|--|---|
| <ul style="list-style-type: none"> 1 Adjust audio input levels of Input 1 and Input 2 here 2 Indicates audio input level of Input 1 and Input 2 3 Shows mixed audio output level 4 Indicates Process (AGC) Mode is active 5 LCD: Shows which channel is selected 6 Monitor Port: Plug in a headset and adjust volume 7 Power ON / OFF | <ul style="list-style-type: none"> 8 Test Tone: Activates a tone to aid system setup 9 Mix Level: Adjust so the Mix Level meter occasionally lights the red LED 10 Contour: Equalization adjustment. 11 Channel Select Up: Press for 3 seconds to lock on current channel 12 Channel Select Down: Press for 8 seconds to enter program mode. |
|--|---|

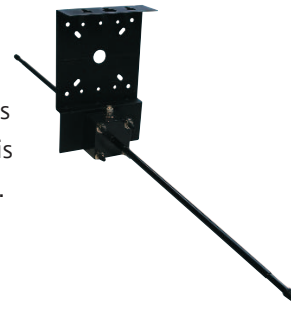


- | | |
|---|--|
| <ul style="list-style-type: none"> 1 Remote Antenna Connection 2 Mix Output: These connectors contain a mix of Input 1 and Input 2. They are unbalanced phono connectors; and the output level is -10dBu 3 Input 2: Set switch to match the level of your Input 2 audio source. 4 Input 1: Used for balanced connection of a microphone or line level input. This combination connector accepts either XLR or phono connectors. | <ul style="list-style-type: none"> 5 Set RF Power level here (1/4, 1/2 and full). 6 The power supply connects here 7 Input 2: Connect unbalanced audio to these phono connectors, input level -10dBu or +10dBu 8 Select Line, Mic or Mic+Phantom Power. Line is balanced 0 dBu input level, Mic is -55dBu, +12VDC supplied in PH PWR position. If not using input 1, leave in line position. |
|---|--|



Antenna Installation

Your TX-300V Studio Transmitter set includes a remote antenna that features two adjustable-length radials. Extending these radials to the correct length is extremely important for the system to achieve maximum transmission range.

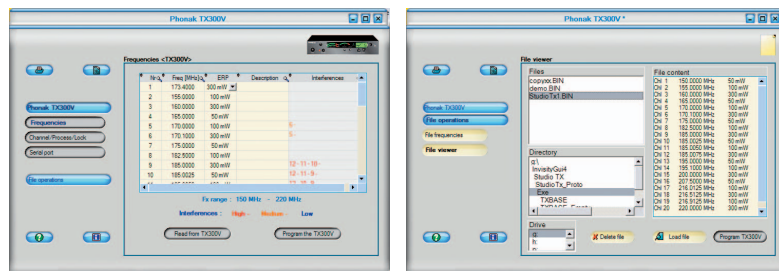


Specification

RF	RF Frequency Range	150-220MHz (Actual frequencies for each unit set by Phonak or authorized representatives)
	Number of Channels	20 Maximum
	Frequency Accuracy	/- .005% stability 0 to 50C
	Transmitter Stability	50 PPM
	Output Power	50mW, 100mW, 300mW (Actual power for each frequency set by Phonak)
	Antenna	Dipole Antenna (Included with Transmitter) Cable length: 7.6 m
	Antenna Connector	BNC
	Compliance	ETSI EN 300 422-2, ETSI EN 300-454-1, FCC Part 15, Industry Canada
Audio	System Distortion	<2% total harmonic distortion (THD) at 80% deviation
	Audio Input 1	Rear panel. Female-XLR and phone combo connector, balanced, 0/-55 dBu (line/mic) nominal input level adjustable
	Audio Input 2	Rear panel. (2) Phono connectors, unbalanced, -10/+10 dBu nominal input level adjustable, +30 dBu maximum, impedance 100k ohms
	Combined Audio Output (Mix)	Rear panel. (2) Phono connectors, unbalanced, 0 dBu nominal output level, +19 dBu maximum, impedance 10 ohms.
	Headphone Output	Front panel. (1) 3.5 mm connector, unbalanced, adjustable output level
Controls	Front Panel	Power, Test Tone on/off, Channel up/down, Input Level, Mix Level, Contour, Headset Level
	Rear Panel	Input 1 Level (Line, Mic, Mic-Phantom Power), Input 2 Level (-10/+10 dBu), RF Power (low, mid, high)
	Internal Adjustments	Compression ratio for audio processor
	Programming	Processing on/off
Indicators	Input 1 and Input 2, Mix VU Meters	8 Green, 2 Red
	Processing	Indicated by a green LED when on
	RF Power	Indicated on the LCD Display
	Power	Red LED illuminates when the unit is powered up
	LCD Display	Channel designation, lock status, RF Power Level, programming
	Test Tone	Red LED illuminates when test tone enabled
Power	Power Supply Type	In-line power supply
	Power Supply Input	110 - 230VAC / 50 Hz
	Power Supply Output	12VDC, 1000mA
	Power Supply Connector	5.0 mm (.02 in) 2.5 mm (OD x .01 in) ID, barrel type
	Compliance	CE
Physical	Dimensions W x D x H	20.3 x 20 x 4.45cm (8.0 x 8.0 x 1.75 in)
	Unit Weight	1.4kg (3.0 lbs)
	Unit Weight with LA-201 Power Supply	2.0kg (4.4 lbs)
	Shipping Weight	2 kg (5.0 lbs)
Rack Mounting	1 rack unit, optional rack mount not included. Order Phonak part number 116-1940.	
Environmental	Temperature - Operation	-10 C (14 F) to +40° (104 F)
	Temperature - Storage	-20 C (-4 F) to +50° (122 F)
	Humidity	0 to 95% relative humidity, non-condensing

Rack Mount Kit

Includes components for single and dual rack configuration and a security cover.



communication systems

Phonak Communications AG Laenggasse 17, CH-3280 Murten, Switzerland
 Phone +41 (0) 26 672 96 72, Fax +41 (0) 26 672 96 77
 www.phonakcom.ch, www.invisity.com, info@phonakcom.ch