

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.



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| <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. |
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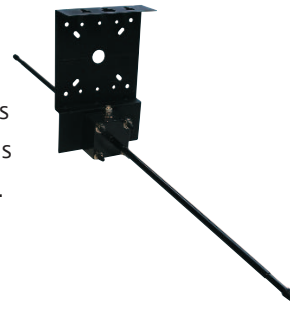


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| <ul style="list-style-type: none"> 1 Remote Antenna Connection 2 Mix Output: These connectors contain a mix of Input 1 and Input 2. They are unbalanced phono connectors; and the output level is -10dBu 3 Input 2: Set switch to match the level of your 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. |
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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.

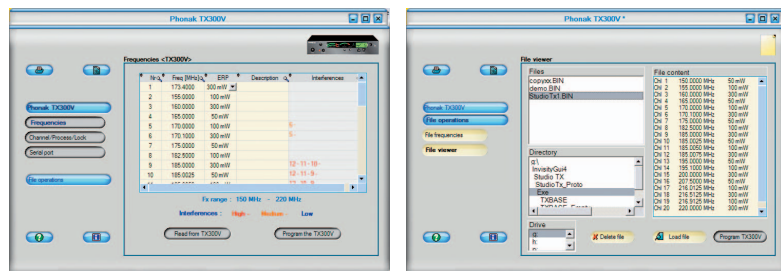


Specification

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| 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 |
| Power | Test Tone | Red LED illuminates when test tone enabled |
| | 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 |
| | Dimensions W x D x H | 20.3 x 20 x 4.45cm (8.0 x 8.0 x 1.75 in) |
| Physical | 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

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