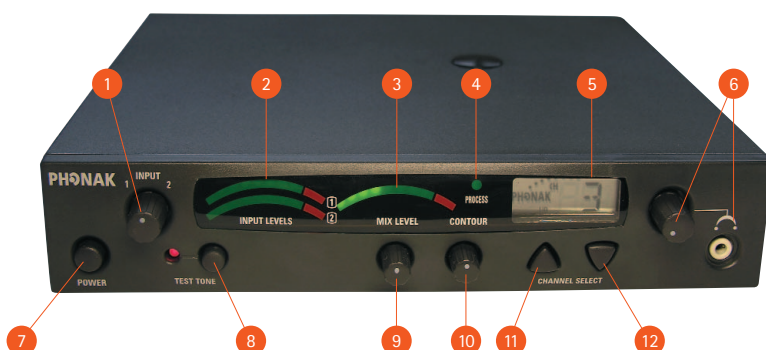


TX-300V Transmitter

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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|---|--|
| 1 Adjust audio input levels of Input 1 and Input 2 here | 8 Test Tone: Activates a tone to aid system setup |
| 2 Indicates audio input level of Input 1 and Input 2 | 9 Mix Level: Adjust so the Mix Level meter occasionally lights the red LED |
| 3 Shows mixed audio output level | 10 Contour: Equalization adjustment. |
| 4 Indicates Process (AGC) Mode is active | 11 Channel Select Up: Press for 3 seconds to lock on current channel |
| 5 LCD: Shows which channel is selected | 12 Channel Select Down: Press for 8 seconds to enter program mode. |
| 6 Monitor Port: Plug in a headset and adjust volume | |
| 7 Power ON / OFF | |



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|---|---|
| 1 Remote Antenna Connection | 5 Set RF Power level here (1/4, 1/2 and full). |
| 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 | 6 The power supply connects here |
| 3 Input 2: Set switch to match the level of your Input 2 audio source. | 7 Input 2: Connect unbalanced audio to these phono connectors, input level -10dBu or +10dBu |
| 4 Input 1: Used for balanced connection of a microphone or line level input. This combination connector accepts either XLR or phone connectors. | 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. |

Specially developed for:

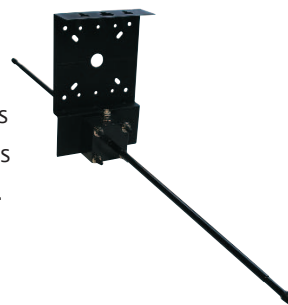
invisity



PHONAK

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.

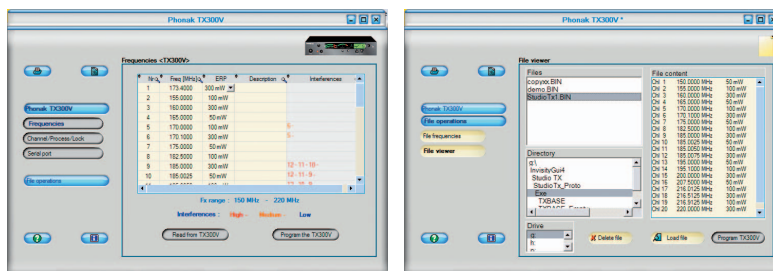


Specification

| | | |
|--------------------|--------------------------------------|--|
| 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. |
| Environ- mental | 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.



PHONAK

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