



TX-300V

TX-300V Wide Area Transmitter from Phonak Making public places accessible

Opening doors for the hearing impaired

The high power TX-300V transmitter from Phonak is the ideal transmitter to cover large areas such as auditoriums, lecture rooms, houses of worship, town halls, movie theaters, theaters, universities, sports venues, shopping malls, railway stations or other public places. The TX-300V is compatible with all Phonak FM receivers, the global standard for personal wireless communication for hearing impaired people. It makes the audio signal clearly audible even for people who so far were not able to listen to and enjoy education, lectures, movies, public meetings, plays or religious services.

Phonak FM is the global standard

An increasing number of hearing impaired people all around the world enjoy the benefits of personal wireless communication devices from Phonak for better communication at work and in their free time. Portable transmitters are in most countries by law limited to a maximum output power of 2 mW, and therefore also limited in their operating range. For fixed FM transmitters such as the TX-300V, the maximum output power can be much higher, up to between 12.5 and 300 mW, depending on the country. This additional emitting power increases the operating range far beyond any personal transmitter's, and will enable hearing impaired listeners to hear sound clearly over a larger distance. For hearing instrument users without Phonak personal FM

receivers, Phonak offers the universal MyLink FM receiver, which is compatible to most hearing instruments. For people without hearing instruments, the use of MyLink with headphones is recommended.

TX-300V: high tech and flexible, from the world's leader in wireless communication

The TX-300V covers all Phonak FM frequencies. Twenty frequencies and the transmission strength per frequency are freely programmable with the popular FM SuccessWare version 3.6 or higher from Phonak. Individual line inputs for connection to a public address system and microphone 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.



Specification

RF	RF Frequency Range	150–220 MHz (actual frequencies for each unit set by Phonak or authorized representatives)
	Number of Channels	20 Maximum
	Frequency Accuracy	+/- 0.005% stability 0 to 50°C
	Transmitter Stability	50 PPM
	Modulation	FM (narrow band) Max. frequency deviation $\Delta f < 6$ kHz
	Output Power	50 mW, 100 mW, 300 mW (programmable with FM SuccessWare), Switch for 25%, 50% or 100% output power on the TX-300V
	Antenna	Dipole antenna (included with transmitter) cable length: 7.6 m
	Antenna Connector	BNC
	Signal-to-noise Ratio	>45 dB $\Delta f > 4$ kHz
	Compliance	ETSI EN 300 422-2, ETSI EN 300-454-1, FCC Part 15, Industry Canada
Audio	Audio Bandwidth	100–7000 Hz
	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 100 k Ω
	Combined Audio Output (Mix)	Rear panel. (2) phono connectors, unbalanced, 0 dBu nominal output level, +19 dBu maximum, impedance 10 Ω
	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
	Power	Red LED illuminates when the unit is powered up
	LCD	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	110–230 VAC/50 Hz
	Power Supply Output	12 VDC, 1000 mA
	Power Supply Connector	5.0 mm (.02 in) 2.5 mm (OD \times .01 in) ID, barrel type
	Compliance	CE
Physical	Dimensions W x D x H	20.3 \times 20 \times 4.45 cm (8.0 \times 8.0 \times 1.75 in)
	Unit Weight	1.4 kg (3.0 lbs)
	Unit Weight with LA-201 Power Supply	2.0 kg (4.4 lbs)
	Shipping Weight	2.3 kg (5.0 lbs)
	Rack Mounting	1 rack unit, optional rack mount not included. Order Phonak part number 116-1940.
	Environmental	Temperature - Operation
Temperature - Storage		-20°C (-4 F) to +50°C (122 F)
Humidity		0 to 95% relative humidity, non-condensing