

# Norcon TTU-7X Talk-Thru Unit



## The Best Selling Voice Communication System for Security and Isolation Booths

Companies build security and isolation booths to protect their employees, but do they protect the relationship with the customer? Not if clerks and customers have to shout, growl, and repeat themselves to be heard or understood.

Norcon's patented Talk-Thru™ Unit (TTU®) is a 2-way, hands-free audio system that provides high-quality personal communication between people separated by security or isolation barriers. It is the most widely used system of its type in the U.S. and the world.

The TTU-7 is ideal for installations when it's impractical to have the full 2½" control section of a TTU on the inside of the barrier. This normally occurs when a security gate or shade is used. The TTU-7 combines the external unit of the TTU-1 with a countertop inside unit from the TTU-3 giving customers the best of both worlds.

### HOW TO INSTALL

Installation is a simple, one-person operation. It is mounted into a 3"-4" cutout in the barrier. All hardware and cables are supplied including a 100-240 V power supply with 15 V, 1 A output. Please specify barrier thickness when ordering.

### HOW IT WORKS

The Norcon TTU system permits hands-free communication between the booth attendant and the customer. VOX circuitry facilitates ongoing, clear, 2-way conversation at all times, as if both people were in the same room.

The auto mute function of the TTU prevents outside noise from bothering the attendant. If the employee does not speak into the microphone for 30 seconds, the outside channel volume will be reduced by 70%. Normal operation is restored as soon as the employee speaks into the microphone.

The TTU provides clear communication even in environments with high ambient noise. It includes sound shaping circuitry for maximum intelligibility and compression circuitry to lower harsh loud sounds.

The TTU supports both wired and wireless headsets. Headsets consists of a boom mic and a single headphone speaker that covers one ear.



**Inside Unit**



**Outside Unit**

# Norcon TTU-7X Talk-Thru Options



## Bullet Resistant

This option incorporates bullet-resistant Kevlar (UL Level 3 ballistic rating).



## Wireless

This option integrates with a wireless antenna to communicate with our customized wireless headset.



## Push To Talk Option

With this option, employees need to push this switch to activate the internal microphone, ensuring that only the intended conversation is heard outside.



## Noise Cancellation

This option automatically lowers the outside ambient noise.

## Monitoring & Recording

Provides a line level audio signal of either "Talk", "Listen", or both channels for analog audio recording or monitoring. Please specify when ordering.

## ADA Compliance

With this option, the TTU communicates with hearing aids by providing:

- Monitoring and recording, providing a line out from the TTU
- Induction loop amplifier with power supply
- Loop driver antenna
- Cables and instructions



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## FEATURES

- Clear 2-way hands-free voice communication.
- Avoids yelling, repetition, misunderstanding.
- Quality electronic design and engineering.
- Removable 18" XLR mic. Optional 10" and 24" mic. length upon request.
- Rugged, tamper-resistant materials.
- Simple, one-person installation.
- Compact, contemporary design. Fits any decor.
- Built in headset jack.
- ADA compliant option.
- Wireless integration option.
- Bullet resistant option.
- Push to talk option.
- Noise cancellation option.
- Recording module option.
- Built in the U.S.A.
- **We have a long history of customization. Contact us about your application.**

## SPECIFICATIONS

### MECHANICAL

- TTU housing: Machined aluminum, anodized finish, tamper resistant.
- Outside assembly: Face plate 5" dia. x 1/2" deep. Inside control housing 5" dia. x 1" deep.
- Inside assembly: 6" W x 2 3/8" H x 2 3/8" D.
- Microphone: 18" Gooseneck microphone standard (10" and 24" available).
- Weight: 4 lbs.
- Mounting: Partition hole 3-4" dia. (3 1/2" recommended).
- Control Panel: Listen volume. Talk volume. Power switch: power off, power on, power on with auto mute. Headset jack. Power LED. Talk LED.
- **Specify barrier thickness when ordering.**

### ELECTRONIC

- Audio frequency response: Selectively shaped for maximum voice intelligibility.
- Audio power: 2 amplifiers. 2 Watts per amplifier.
- Distortion: Less than 2%.
- Listen mode: 20dB compression.
- Talk mode: VOX (voice activated).
- Microphones: Electret
- Power supply: 100-240 VAC (input) 15 VDC, 1A (output).

## AVAILABLE MODELS

- ◆ **TTU-1AX.** The most popular Talk-Thru Unit. Continuously powered. Depth: 2 1/2".
- ◆ **TTU-1DX.** Battery powered complete with rechargeable batteries and charger. Depth: 3 1/2".
- ◆ **TTU-3X.** Counter mounted for when you can't cut a hole in the glass. Has an option for an additional counter unit for back office use.
- ◆ **TTU-4 and TTU-5.** Tamper resistant units with no gooseneck microphone. Ideal for correctional institutions.
- ◆ **TTU-7X.** Counter mount inside unit and shallow window unit. Perfect when interior shades are used. Depth: 1".
- **Additional Accessories:** wired headset, wireless headset, handset with armored cable, lavalier microphone, microphone windscreens, marble base for counter units, and donut adapter kit.
- **Options (Not Available on All Units):** Bullet resistant, push to talk, ADA compliant, wireless integration, noise cancelling, monitoring and recording, tamper resistant, and back office use.

*Call us to talk about custom units and applications*

Talk-Thru™ systems are shipped complete with cables, instructions, and power supply.

Specifications are subject to change without notice.