

# TTU-5

## Norcon TTU Systems

### Installation Instructions

1. Install back boxes at desired location. Back box w/bullet proof shield are to be mounted on inmate side.
2. Route the two pair cable (with connector on one end) FROM the inside unit TO the outside unit. Make sure the connector is in the inside unit. Attach the cable to the terminal block on the outside unit, color to color. Connect shield to black wire. Join the connector with the wire harness from the printed circuit board so the colors line up.
4. For power connection, route the one pair cable (with the connector on one end) FROM the inside unit TO the location of the PS-1 Power supply. Connect the conductors to the power supply (RED to +, BLACK to -). Plug the connector to its mate from the printed circuit board

### Installation Notes

1. Drill holes on the housing where required for installation.
2. The "Inside" unit houses the circuit board for the system, the microphone, volume controls, power switch.
3. The "Outside" unit has no electronics. A speaker and a microphone are Attached to the "Outside" unit.
4. The sound absorbing material in the housing may be removed during installation but should be replaced for normal operation.
5. Connect the cables to the terminal blocks on the plate as shown in the attached wiring diagram.
6. Attach the plates to the back boxes with tamper resistant screws (Screws provided).
7. For best result separate units as far as possible.

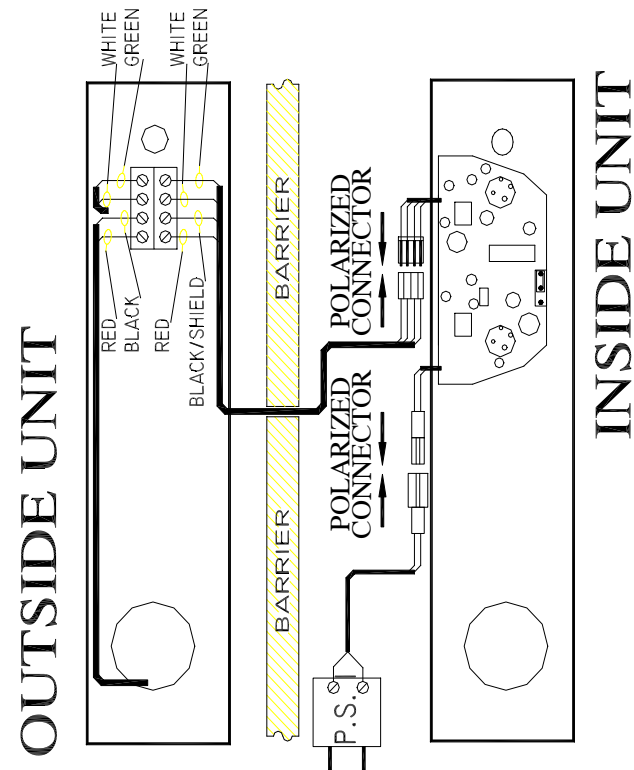
### Operation Instructions

The **TALK** Channel and **LISTEN** channel volume controls (Screw driver adjustable) are located on the **INSIDE** panel. They are labelled "T" and "L", respectively. Turning the control clockwise increases the volume.

The **TALK** channel delivers audio from **INSIDE** panel to the **OUTSIDE** panel. The **LISTEN** channel carries audio in opposite direction. In normal operation, the **LISTEN** channel is active until someone speaks into the **TALK** channel microphone. The unit then switches and makes the **TALK** channel active (while the person is speaking). It reverts to the **LISTEN** direction when the speech stops.

In some instances, where there is a moderate to high level of ambient noise in the area of the talk side of the unit and someone speaks loudly or very close to the listen side unit that person's voice may seem to break up or "bubble". There are several remedies to this problem. First, have the person speak softer or further away from the unit. Second, reduce the volume on the **LISTEN** channel. Or third, reduce the volume on the **TALK** channel. This should solve the problem.

For best operation, the person on the **TALK** side should speak three to six inches away from the unit and the person on the **LISTEN** side should be at least two feet from the unit.



**Service Policy**

TALK-THRU SYSTEM WARRANTY REPAIRS

Norcon Communications Inc. warrants the products manufactured by Norcon to be free from defects in material and workmanship for a period of one year from the date of shipment from the factory provided:

1) The product has not been abused, misused or improperly maintained, repaired and /or modified during such period, and 2) such defect is not a result of voltage surges/ burnouts, lightning, water damage, flooding, fire, explosion, earthquakes, tornadoes, acts of aggressions, war or similar phenomenon; and 3) the product has been properly installed according to the appropriate Norcon Installation Guide.

Both incoming and outgoing freight charges are at the customer's expense. Domestic repair will be returned to customer by UPS Ground. International repair will be returned to customer using normal shipping arrangements. Any other shipping instructions must be made in writing and will be at the customer's expense.

Norcon Communications Inc.

# TTU-5 Instructions

*Talk-thru system*

Norcon Communications, Inc.

510 Burnside Avenue

Inwood, L.I. NY11096

(516)239-0300 Fax (516)239-8915

[www.talk-thru.com](http://www.talk-thru.com)