

Axon Corporation
U.S. Telemetry
Mobile Transmit Endpoint Device
Users Manual

RF Transmitter Installation Instructions

The USTC Mobile TED transmitter should only be installed by qualified service personnel.

The transmitter detects transmitted GPS signals and other data signals from the external binary inputs and broadcasts that data to the system's CTS sites.

MOUNTING LOCATION

The USTC TED Transmitter is an RTU as defined by the FCC. The transmitter housing will normally be installed in the trunk or passenger section of a vehicle. The GPS receive-only antenna and the MTED transmit-only antenna shall be mounted external to the vehicle. The omnidirectional transmit-only antenna shall be mounted in the center of the vehicle roof or trunk. The purpose for the location of the transmit-only antenna is two-fold - it 1) insures compliance with FCC exposure requirements and 2) improves the RF radiating characteristics of the transmit-only antenna. The GPS receive-only antenna should be mounted at least 30" away from the transmit antenna.

INSTALLATION INSTRUCTIONS

1. Mount the antennas and transmitter housing. Insure that these devices are securely in place. The location of these devices should conform to the above paragraph.
2. Connect the antenna to the proper antenna connector. Note that an improper connection could damage either of the antenna, the MTED, or all three devices.
3. The unit will come pre-programmed with Transmitter ID. There will be field programming of the unit for other parameters.



CAUTION:

This device is required to comply with FCC RF exposure requirements for mobile transmitting devices. A separation of 20 cm (8 inches) or more must be maintained between the transmit antenna and all persons during device operations to satisfy RF exposure compliance.

TESTING THE TRANSMITTER

Following system installation, system testing is mandatory. This should be performed by locating the TED in its final location and powering up the unit. On initial power-up, the TED will send out RF messages every 4 seconds or more depending on programming. This will establish communications with the CTS receiver and the information collected will then be used to judge system performance.

FCC NOTICE

The USTC TED transmitter generates and uses radio frequency energy. If not installed and used in accordance with the manufacturer's instructions, it may cause interference to radio and television reception. The transmitter has been tested and found to comply with the specifications in Part 95 of the FCC Rules.

If this equipment causes interference to radio or television reception - which can be determined by turning the equipment on and off - the installer is encouraged to correct the interference by one or more of the following measures: 1) Reorient the antenna of the radio/television. 2) Connect the AC transformer to a different outlet so the TED and radio/television are on different branch circuits. 3) Relocate the TED with respect to the radio/television.

If necessary, the installer should consult an experienced radio/television technician for additional suggestions, or send for the "Interference Handbook" prepared by the Federal Communications Commission. This booklet is available from the U.S. Government Printing Office, Washington, D.C., 20402, stock number 004-000-00450-7.

CAUTION: Axonn Corporation does not support field changes or modifications to any of the Axonn Corporation RF equipment unless they are specifically covered in this manual. All adjustments must be made at the factory under the specific guidelines set forth in our manufacturing processes. Any modification to the equipment could void the user's authority to operate the equipment and render the equipment in violation of FCC Part 95.

This device complies with Part 95 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

LIMITED WARRANTY

THERE ARE NOT WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. In no case shall Seller be liable to anyone for any consequential or incidental damages for breach of this or any other warranty, express or implied, or upon any other basis of liability whatsoever, even if the loss or damage is caused by Seller's own negligence or fault.