

Terra by Trimble TX 760 D

Comm Transceiver

An affordable, high-quality communications transceiver combining clear, reliable communications and advanced features

The Terra by Trimble TX 760D Comm transceiver delivers clear, reliable communications. The TX 760D also offers benefits such as the latest surface-mount technology, previously available only in expensive, high-end airline avionics.

Because the TX 760D's digital frequency synthesizer uses only one crystal for stability and drift-free tuning, it is very dependable. Other high-end features include automatic voice leveling to improve communications clarity and eliminate annoying repeated volume adjustments. The TX 760D also features automatic squelch control with manual override, solid state electronics, and low power requirements.

With the TX 760D's single-knob cursor tuning, you can select frequency channel operation from 118.0 MHz to 136.975 MHz. The TX 760D lets you simultaneously view active and standby frequencies which you can transfer with a push of a button. All of the frequency information is presented on a brilliant planar gas discharge display which is clearly visible, even in bright sunlight. The automatic dimming feature adjusts for all lighting conditions.

The non-volatile memory stores as many as ten frequencies, which allows you to quickly and easily display and select commonly used frequencies. This convenient feature reduces your workload and gives you more time to concentrate on flying.

Another advantage to this practical Comm is an integrated two-place VOX (Voice Operated Intercom). It saves valuable panel space by eliminating the need for separate intercom units. It also eliminates the clutter of wires and cords caused by portable intercoms.

Just like all Terra by Trimble avionics, the TX 760D is housed in a rugged stainless steel mounting tray, in either a

single or double chassis. You can also purchase an optional chassis that mounts into a standard 3" ATI cutout, making the unit even more versatile.

For pilots looking for an advanced communications transceiver offering the smallest size and the biggest features, the Terra by Trimble TX 760D is the clear choice.

Key Features and Benefits

- Easy-to-use single-knob cursor tuning
- Highly visible planar gas display
- 760 channel transceiver meets latest requirements
- Air show proven, rugged and reliable
- Active and standby frequencies
- Integral two-place VOX intercom
- 10 frequency memory reduces pilot workload
- Small and lightweight, easy-to-install
- Automatic voice leveling
- Unparalleled three year warranty

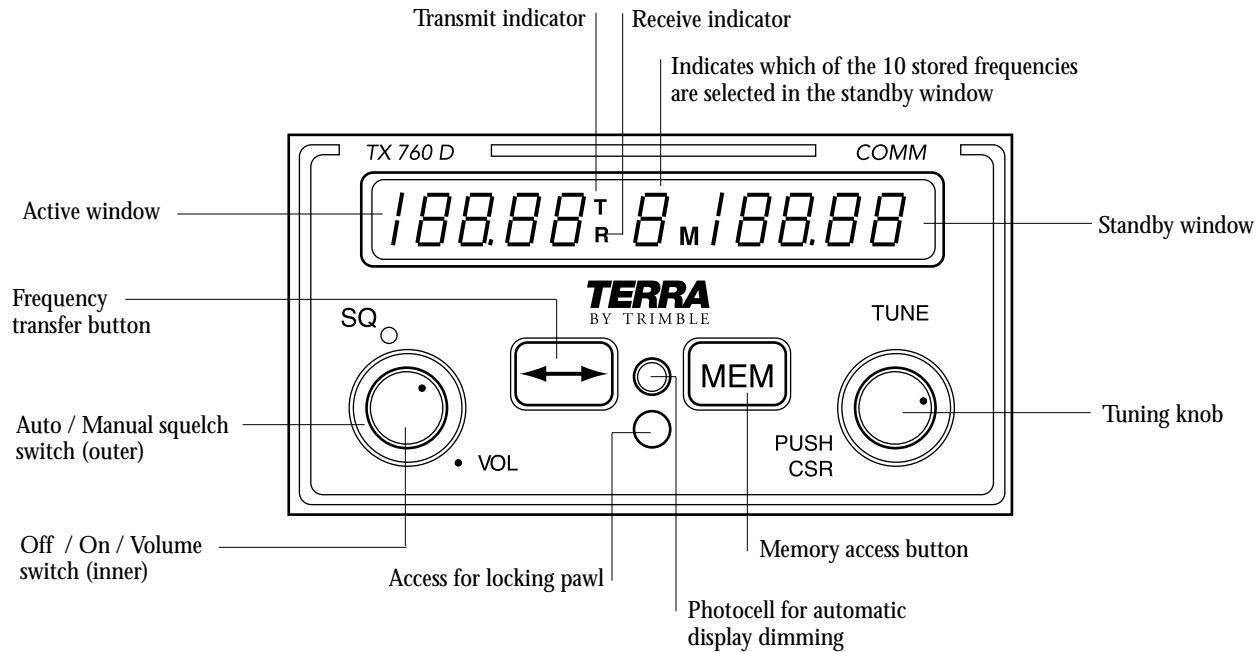


TERRA
BY TRIMBLE

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Comm Transceiver

Features



Technical Specifications

Comm Transceiver

760 channels-118.0-136.975 MHz
 Dual, "active standby" frequency display
 10 frequency storage
 Planar gas discharge display
 Single knob tuning
 Voice operated intercom capability
 Digital frequency synthesis
 Automatic voice leveling—both transmit and receive
 Automatic squelch circuits with manual override capability
 Mounting tray and connectors included

Power Requirements:

13.75 VDC (27.5 VDC with optional MLC 28-5 voltage converter)

Current requirements:

Receive standby 325 mA; Transmit (80% modulated) 2.0 Amps

Power Output:

5 watts nominal, unmodulated carrier

Temperature:

-20°C to +55°C

Humidity:

90% at 50°C

Vibration:

0.5 G, 5-500 Hz

Shock:

6g

Altitude:

35,000 ft.

Size: 3.125"W; 1.6"H; 11.45"L (incl. mounting tray)

Weight: 1.5 lbs.

Comm Transmitter

Channel Spacing:

25 KHz

Frequency Stability:

±002% per FCC Type Acceptance

Power Output:

5 watts nominal, unmodulated carrier;
 20 watts PEP

Modulation:

Automatic audio leveling for a minimum of 80% and a limit of 95%

Output Termination:

50 ohms nominal

Spurious Responses:

Greater than 50 db below carrier level

Sidetone:

Up to 15 milliwatts into 600 ohm headphones

FCC Approval:

Type accepted per FCC Part 87

Comm Receiver

Channel Spacing:

25 KHz

Sensitivity:

Less than 1 microvolt for 6 db signal plus noise-to-noise ratio

Selectivity:

Typically -6 db at 14 KHz; -60 db at 40 KHz

Squelch Sensitivity:

Automatic 2 to 5 μ V; Manual 25 to 250 μ V

Automatic Gain Control (AGC):

Audio flat within 3 db for 3 μ V to 30,000 μ V input

Undesired Response:

Greater than 60 db down

Adjacent Channel Rejection:

Greater than 60 db

Incidental Radiation:

Certified per FCC Part 15 requirements

Audio Output:

5 watts into 3.2 ohms

*D model Comms, Navs ADF's and Transponders are also available in a standard 3" ATI mount. Specifications subject to change without notice.



For Sales Information:
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