

# Z-Balun UNV

## Product Specifications



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### Product Description

The **Z-Balun UNV** is one of the essential components of Z-Band's video distribution system. It is located at the endpoints of the system and permits a TV or other devices with an RF Tuner to be connected to a Z-Band system for HDTV over CAT6 or better cable. The **Z-Balun UNV** calculates the approximate distance from the Z-Band Distribution unit, then applies an appropriate balance of signal conditioning to ensure the correct amplitude from the RF-OUT F-connector jack. The ZBT-IN jack is connected to the Z-Band Distribution unit through the infrastructure over CAT6 cable. This provides both RF and ethernet connectivity in addition to RS232 control, all over a single cable.

### Features & Benefits

- ✓ Signal conditioning is automatic by default, with manual override available for customized applications.
- ✓ Provides a unique identification signature to a *Z-Distribution unit* for port activation.
- ✓ Compatible with ZHC, HD860, 1000, & Z-REG generations of Z-Band Distribution units.<sup>(1)</sup>
- ✓ With the optional server-based web GUI (**ZHC-Insight**), users can remotely change the signal conditioning parameters, send RS232 commands to TVs, power off, and check balun connectivity and serial numbers/locations.<sup>(2)</sup>

Part #	ZBT0010257
Physical Description	<b>Weight:</b> Approximately 4 ounces* <b>Size:</b> 4.1" L x 2.3" W x 0.95" H. <b>Connectors:</b> Front: F-Connector; RJ-45 Jacks; 3.5mm Jacks Back: Reset/Manual button (A); 4 LED distance indicators
Power	8 VDC at ½ watt supplied remotely on RJ 45 pins 7&8 via Z-Distribution unit (no local power required)
Electrical Radio Frequency	<b>Forward:</b> 54 MHz to 860 MHz (pins 7 & 8) <b>Amplitude:</b> Provides an output between -10 and +15 dBmV.
Environment	<b>Operating Temperature:</b> 0 - 55°C; <b>Relative Humidity:</b> 5 - 95% <b>Storage Temperature:</b> -40 - 70°C
Agency Standards	FCC Part 15, Subpart B Compliant

(1) Features and functionality may vary between generations.

(2) RS232 options are only available on the ZHC generation of hardware.

\* Z-Balun UNV (ZBT0010216) was manufactured with a steel chassis and weighs in at 8 ounces. All other specs remain the same.

IR Out: Not supported (port not active)