

DIGITAL PROceiver®

The next generation of IFB for ENG™

Dimensions

- » Occupies a half width, one rack unit (1RU) high box
- » Size: (H x W x D)
1.52" x 7.29" x 12.00"
- » Rack adapter (1RU) available

Power Requirements

- » Vehicle power (negative ground) 10 to 36 VDC less than 6 watts
 - Rugged connector
- » 90 to 130 VAC, 50 to 440 Hz
 - Transformer isolated, linear line cord provided
 - Highly waveform and transient tolerant for reliable operation from all types of inverters and generators
- » Accepts a wide range of existing "wall transformer" and "line cord" supplies in addition to factory provided power supply
 - Standard consumer connector
 - Polarity independent (floating)
 - Accepts any input from 10 to 24 volts DC or AC

Fuses

- » Solid state, self resetting

Sensitivity

- » -87 dBm typical
- » -78 dBm minimum

Coding

- » MPEG-1 layer 2

Input/Output Connections – Rear Panel

- » DC Power - Vehicle
 - Molex connector
- » AC/DC Power
 - Barrel, 2.1/5.0 mm
- » IFB Audio Out - A & B
 - Male XLR-type connectors
 - Balanced line-level outputs, low impedance +4 VU (+14 dBu peak) adjustable to off
- » Antenna Input
 - BNC connector ("F" adapter provided)
 - 75 ohm

Specifications

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Temperature Range

- » -10° to 50°C

Frequency Coverage

- » North American TV Broadcast channels 2 to 69. Other channel tables on special order

Controls

- » Rear Panel
 - Channel select by 2 decimal switches
 - PID select of 13 bits by 4 decimal switches
- » Front Panel
 - Reset
- » Internal
 - Audio line level (available via bushing on top of case)



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Front Panel Indicators

- » DC
 - Yellow
 - Power present
- » Locked
 - Green
 - Valid DTV signal present - tuner locked
- » Error
 - Red
 - Packet error
- » PID
 - Blue
 - Selected PID detected
- » SNR
 - 10 LED green bar
 - Signal strength for antenna aiming
- » Audio A
 - Level sensitive amber LED
 - Audio level on IFB channel A
- » Audio B
 - Level sensitive amber LED
 - Audio level on IFB channel B

Preliminary specifications subject to change without notice.