

## OPTIX

Fiber Optic Remote Antenna Distribution System

OPTIX is a low noise RF to fiber optic (RFoF) conversion system designed to facilitate the remote placement of wireless audio antennas. It converts radio frequency energy arriving from an antenna source into optical signal, sends that signal down a length of fiber-optic cable, and converts the signal back into RF.

### Included Accessories

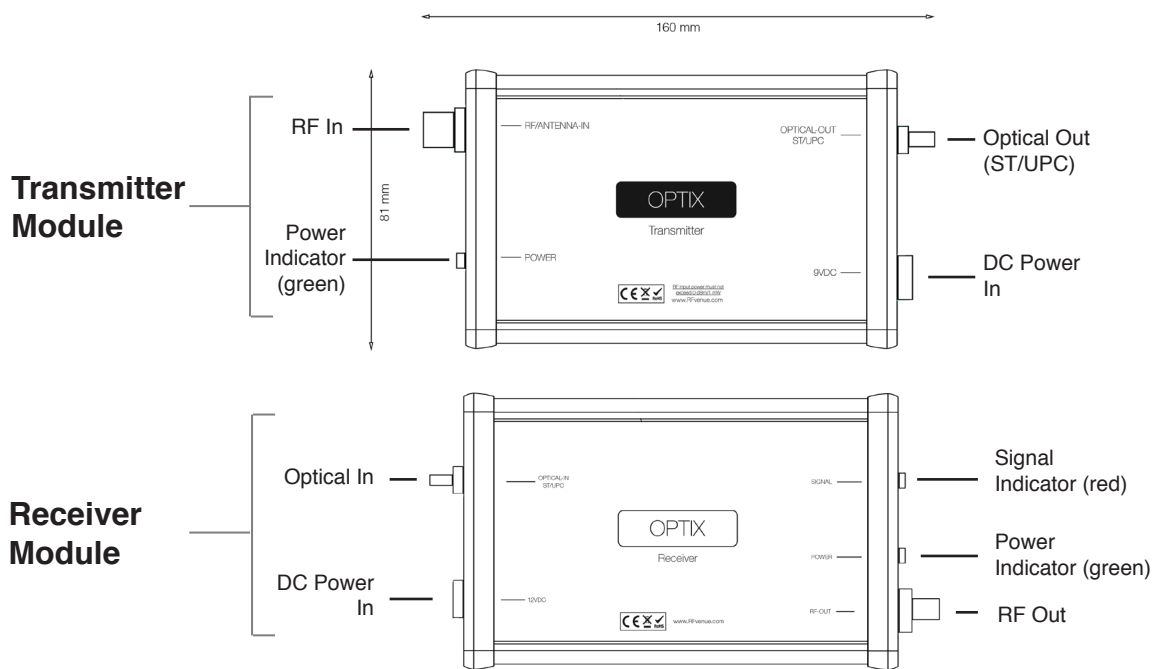
(2) BNC coaxial jumper cable

### Required Accessories (not included)

Fiber optic cable, 1310 nm singlemode, ST/UPC

### Recommended Accessories

Fiber optic cleaning tool



**IMPORTANT: Maximum RF input power 0dBm/1mW. Do not exceed.** Do not connect Optix modules to IEMs, IFBs, intercoms, or other Tx devices without attenuating input. Exceeding input voids warranty.

**IMPORTANT:** Fiber-optic connector end-face must be kept clean. Clean only with tools designed for fiber-optic component cleaning. Do not clean with cloth or paper.

**WARNING:** To avoid electrical shock, do not remove cover. Do not expose to moisture.

#### Electrical

Operating frequency .....	100–1000 MHz
VSWR avg.....	< 2.5:1
Impedance (nom).....	50Ω
Max RF input power .....	< 0 dBm / 1 mW
DC operating voltage.....	7–12 V
Power supply voltage .....	9VDC
Tx Module Power Draw.....	~130 mA @ 9VDC
Rx Module Power Draw.....	~10 mA @ 9VDC
Optical Tx wavelength .....	1310 nm
Optical Rx wavelength.....	1310 nm
Optical output power .....	1 mW
Recommended dynamic range.....	60 dB
Input noise floor.....	< -90 dB

#### Physical

Dimensions (both modules).....	160 mm X 81 mm X 47 mm
Tx weight .....	100 g
Rx weight.....	130 g
Operating temperature .....	-25C–75C
RF Connectors.....	BNC female
Optical connectors .....	ST/UPC