

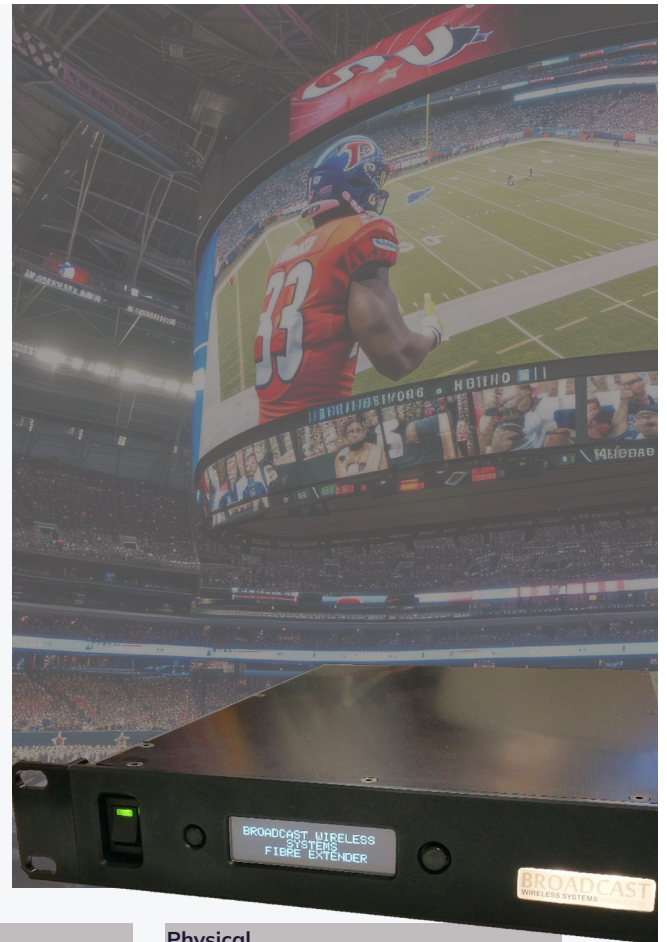
FIBER BASE

Extend your antenna range with confidence and clarity.

The Fibre Base Unit is engineered to carry RF antenna signals over long distances using standard SMPTE or ST fiber—ideal for complex live production environments. Built for reliability and flexibility, this system allows you to relocate your antennas away from the receiver with no signal degradation.

How It Works

The remote unit connects to up to two external downconverters, converting UHF RF signals into optical signals for transmission over fiber. Each fiber path supports two antenna signals, which are restored to RF at the base unit with zero link gain loss. Inline power is provided to the downconverters via BNC coax from the remote unit.



KEY BENEFITS

- Dual Antenna Support:**
 Transports two UHF antenna signals over a single fiber core.
- Remote Monitoring:** Built-in OLED display with real-time signal level and dB loss readout.
- Stable Optical Performance:**
 Dual isolated lasers reduce risks from reflection-based interference.
- Flexible Power Options:** Remote unit powers via V-Lock, Anton Bauer, or 12V XLR input.
- Compact & Rack-Ready:**
 Half-width 1RU base unit with standard AC power input.

Connectors

Antenna 1 Output	BNC(f)
Antenna 2 Output	BNC(f)
Antenna 3 Output	BNC(f)
Antenna 4 Output	BNC(f)
Fibre Optic Input	ST/PC or SMPTE
AC Power in	IEC C14

Optical Section

Antenna 1 Wavelength	1550nm
Antenna 2 Wavelength	1310nm

Powering

Supply Voltage	90-250VAC
Power Consumption	8W

RF Section

Frequency Range	100-1000MHz
Gain Flatness	+/- 0.25dB (typical) +/- 0.5dB (max)
VSWR	<1.5:1
Maximum Input Power	+15dBm (without damage)
Gain Stability	0.25dB over 24 hours
RF Link Gain	0dB (assumes 0dB optical loss)
Input P1dB	3dBm
Noise Figure	23dB 1310nm

Physical

Dimensions (excl conns)	210x300x44mm
Weight	1.5Kg
Operating Temperature	-10-+50°C

Product Code

FIBTAC-2-B-SC
Base Fibre Unit, Dual Antenna, SC Connectors

FIBTAC-4-B-SC
Base Fibre Unit, Quad Antenna, SC Connectors

FIBTAC-2-B-ST
Base Fibre Unit, Dual Antenna, ST Connectors

FIBTAC-4-B-ST
Base Fibre Unit, Quad Antenna, ST Connectors

FIBSMPTE-2-B
Base Fibre Unit, Dual Antenna SMPTE Connectors