

# AFB-450

Duplex antenna fiber box



## Features:

- ▶ Duplex
- ▶ TX bandwidth: 100-1000MHz
- ▶ Built-in amplifier
- ▶ SWR indicator
- ▶ RX bandwidth 470-800MHz
- ▶ Protected 12V DC-feed
- ▶ Strong RF level indicator
- ▶ 10dB switchable attenuator

## Specifications:

TX section	
Bandwidth	100-1000MHz
Noise ednsity	-113dBm/Hz
IMD3	-45dBc/deux porteuses à 20dBm
Max power	
1 carrier	500mW
2 carriers	100mW
RF output	1xBNC 50R
RX section	
Bandwidth	470-800MHz
DC-feed	12V/200mA
Attenuator	0/10dB
Commom	
Consumption	0,8-1A
Supply	XLRF4,12W
Dimension	155x180x70mm
Weight	1,6kg

The AFB-450 allows to remote duplex signals (Tx and RX) simultaneously over two monomode fibers. Specially made electro-optical components are used in this equipment. This device must be used with a ADH-400 base.

Its rugged aluminium made enclosure and its connectors are designed for on field operation.

### TX section:

The AFB-450 has a builtin broadband RF amplifier, the maximum output power is 27dBm (500mW).

A « SWR » indicator shows state at AFB-350's output.

At last an « OPTICAL IN » shows if the AFB-450 receive an optical signal from the connected ADH-400 base.

More informations on [www.bs-rf.com](http://www.bs-rf.com) or contact us at [contact@bs-rf.com](mailto:contact@bs-rf.com)  
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Déport d'antenne duplex sur fibre



## RX section:

A DC-feed 12V supply, protected from short circuits, can be activated on input.

An « RF peak » indicator shows if the RF input level is too strong.

At last a 10dB RF attenuator can be activated in order to reduce sensitivity and intermodulation. This attenuator must be enabled on startup.

As with other RF equipments some rules applies in order to get the best from this equipment. Feel free to contact us,we'll do our best to help on your projects.