



SAP-FDQ20

Antenna Amplifier

500MHz-850MHz

50Ω

MAIN FEATURES

- Suitable for 500MHz – 850MHz frequency band signal antennas, equipped with an adjustable output $-9 \sim 18\text{dB} \pm 1$ dB gain signal amplification circuit, allowing users to adjust the gain according to the actual usage environment.
- Configured with a power supply, which can provide power for the antenna's built-in amplifier, enabling more complex external antenna distribution systems to operate independently and effectively, so that long-distance antenna cables can be connected to more amplifiers.
- Equipped with a zinc alloy shell with excellent heat dissipation characteristics, making the amplifier circuit more continuous and stable and ensuring a DC 8V output voltage.

SPECIFICATION

POWER PARAMETERS

External Power Input:	12 - 18V DC / min. 350mA
Regulated Power Output:	8V DC / Max 250mA
Current Consumption:	Approx. 60mA/12V DC Input

GENERAL PARAMETERS

Applicable Frequency Band:	500MHZ ~ 850 MHZ
Total Step Gain:	0 ~ +18dB±2dB; Step Size: ±1dB
Total Step Attenuation:	0 ~ -9dB±2dB; Step Size: ±1dB
System Impedance:	50 Ω
Connectors:	2×TNC Sockets, 1×2.0 Mm DC Socket

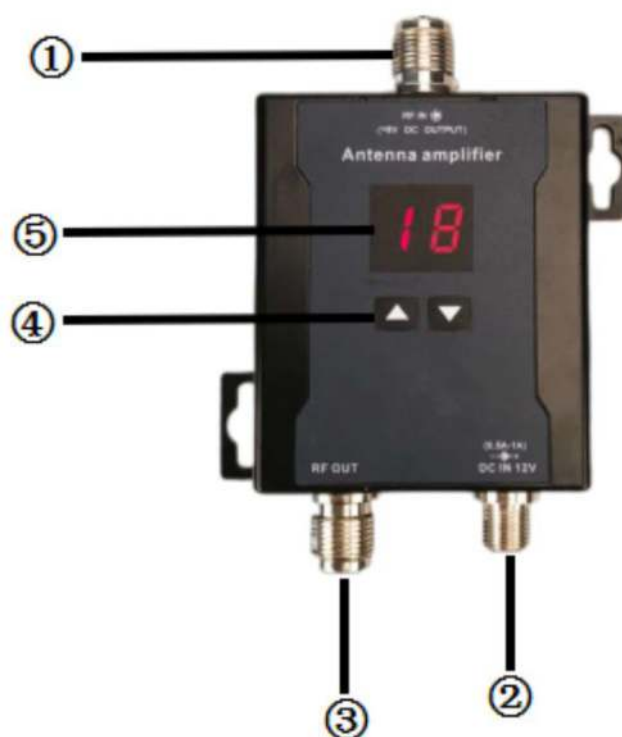
MECHANICAL&ENVIRONMENT PROPERTIES

Product Dimensions:	92(L)×74(W)×21(H)mm
Product Weight:	210g
Product Warranty:	2 Years

ACCESSORIES

1×Antenna Amplifier
1×BNC To TNC Converter
1×TNC Cable
1×Quality Certificate & Warranty Card

INTERFACE DESCRIPTION



① TNC connector:

Connects to the antenna or front-end input, and supplies power to the front-end amplifier simultaneously.

② Power socket:

No need to connect a power supply here when the amplifier is connected to an antenna splitter, a host with 6V-10V power supply, or multiple amplifiers are used in series.

③ TNC connector:

Signal output, and power is also supplied through it when the line is live.

④ Gain adjustment button:

Adjusts the amplifier's gain between -9~+18dB.

⑤ Display screen:

Shows the working status.

