



FP18A Antenna Kit Includes:

- Amplified 14" square antenna
- Antenna Mounting Brackets
- DC Power Injector
- 110/220 VAC power supply
- Installation Manual

Description

The **FP18A** is a 2.4 GHz uni-directional flat panel antenna with a built-in bi-directional amplifier. This antenna boasts a whopping 32 dB transmit and receive gain in a 14 inch square panel. It is ideal for use on long range point-to-point links or at distant Wireless Internet client sites, even if they are miles from a WIPOP (Wireless Internet Point of Presence).

Combining Terabeam's world-leading amplifier technology with an unobtrusive, flat panel antenna produces significant cost savings and higher reliability. There is no bulky external amplifier or extra coax cable from the amplifier unit to the antenna.

The FP18A offers a clean installation with maximum range and performance. (Line of site ranges exceeding 20 miles are possible).

Operation

The FP18A consists of a 18 dBi flat panel antenna with an integrated bi-directional amplifier that has 14 dB of transmit power and receive gain. It automatically switches from receive to transmit mode whenever the radio goes into transmit. This panel antenna has a built-in amplifier which boosts transmit power, providing faster, cleaner transmission.

The amplified antenna works equally well with both DSSS (Direct Sequence Spread Spectrum) and FHSS (Frequency Hopping Spread Spectrum) Radios.

The amplified antenna is linearly polarized and can be mounted either vertically or horizontally.

Specifications subject to change without notice

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8000 Lee Highway, Falls Church VA 22042

Tel: (703) 205-0600 Fax: (703) 205-0610

Sales: 1-888-297-9090

www.terabeam.com

990 Almanor Avenue, Sunnyvale, CA 94085

Tel: (408) 617-8150 Fax: (408) 617-8151

Sales: 1-800-664-7060

Specifications

TBW Part Number:	203-900015-001
Frequency Range:	2.150 - 2.850 GHz
Forward Gain:	32 dBi
Front/Back Ratio:	30 dB
VSWR:	< 1.5:1
Polarization:	Horizontal or Vertical
Cross Polarization Rejection:	20 dB
Beamwidth:	18 degrees
Termination:	N-Type Female
Dimensions (H x W x D):	14 x 14 x 1.25 in
Weight:	4 lbs
Flat Panel Equivalent Area:	1.36 sq ft
Wind Survival:	125 mph
Radome:	High Impact UV Stabilized Plastic (DOW ABS 952)

