

The Long Ranger

Ultra High Gain Parabolic Antenna

BT974822

IN THE BOX				RECOMMENDED TOOLS	
A	2 x Grid Reflectors	C	1 x Reinforced L-Bracket	E	2 x Toothed Saddles
B	1 x Feedhorn	D	2 x U-Bolts	G	4 x Long Bolts & Washers
		F	4 x Short Bolts & Washers	H	1 x Right Angle Connector



ASSEMBLY INSTRUCTIONS

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AIMING THE ANTENNA



- THIS ANTENNA HAS A WELL DEFINED SIGNAL AREA. IT WILL ONLY WORK WHEN AIMED CORRECTLY AT THE INTENDED TARGET.
- RECOMMENDED FOR USE IN RURAL AREAS, OR AREAS WITH WEAK SIGNAL.
- PROFESSIONAL INSTALLATION IS RECOMMENDED.

1 ASSEMBLE

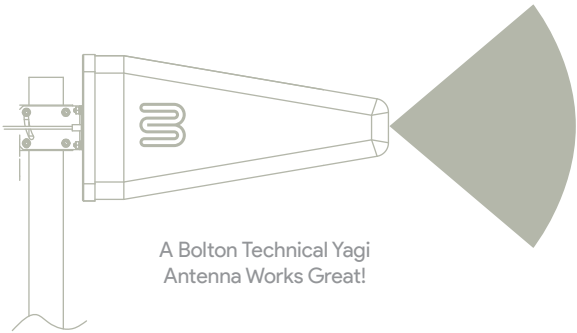
Be sure to assemble the antenna per the assembly sheet included

2 LOCATE

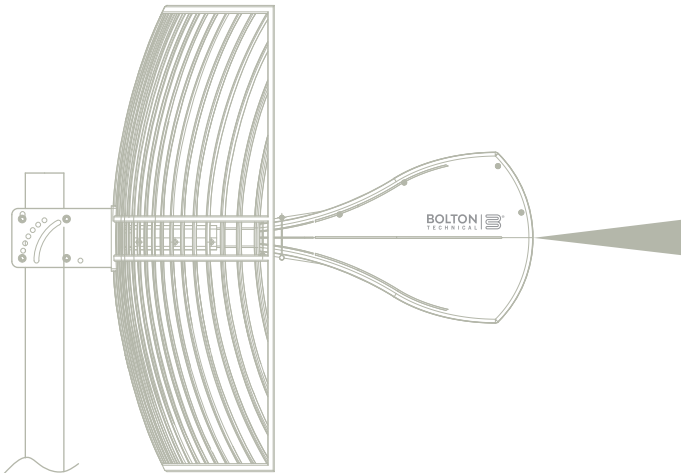
Aim the antenna at the intended target. In most cases it will be a cellular tower which hosts your desired carrier’s antennas. Keep in mind that a tower nearby that you know the location of, may not be the broadcast tower for your desired frequency range and carrier. If you are unsure which tower to use, a number of tower location apps by carrier & frequency are available.

FINDING THE TOWER: The best way to see improvements in signal is with a spectrum analyzer. If one is not available you will use a “rough indicator” like the bars on your phone or speed tests on your devices. As you aim better or worse, you will see the difference in your device. **NOTE:** It may take up to 1 minute for your phone to update the signal strength reading with the bars. For real time readings on your phone, manually change to show signal in dBm.

If possible, use a lower gain antenna with a larger spread to locate the general direction of the tower. If not available scan with the grid 2°-4° at a time to find the tower.



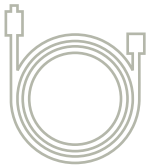
When aiming grid, be aware of the narrow signal beam. The grid can only “see” within the signal pattern for a given frequency. Once the best position is found, secure the grid firmly to ensure performance.



SIGNAL PATTERN VARIES DEPENDING ON YOUR FREQUENCY SELECTION 6° - 20°
TOWER MUST BE WITHIN SIGNAL PATTERN TO FUNCTION CORRECTLY

EXPERT TIPS

Scan this code to visit the Long Ranger product page on our website ▼



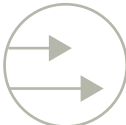
USE MINIMUM
CABLE LENGTH



MAXIMIZE
ANTENNA HEIGHT



FIND A CLEAR
LINE OF SIGHT



USE TWO GRIDS
FOR MIMO



DO NOT BEND CABLE
AT CONNECTORS

