LT-Y-410-430-11.2

Yagi Antenna | 410-430 MHz | 11.2 dBi

The LT-Y-410-430-11.2 is a robust Yagi Antenna designed for operation in the 410-430 MHz frequency range. Offering a directional gain of 11.2 dBi this antenna is engineered for reliable, long-distance communication in professional and mission-critical radio systems.

Ideal for public safety, utility, and private network applications, the LT-Y-410-430-11.2 ensures focused signal transmission and reception, reducing interference and enhancing performance in point-to-point or point-to-multipoint setups. Its durable construction makes it suitable for both urban and remote outdoor environments.

Specification :

LT-Y-410-430-11.2	
Frequency Range	410-430 MHz
Antenna Gain	11.2 dBi
Power Rating	100 W
Impedance	50 Ω
VSWR	≤ 1.5
Polarization	Vertical or Horizontal
Beamwidth	V:40° H: 44°
Termination	N Female
Dimensions Length	1.5 m (may vary with frequency)
Weight	1.0 Kg (may vary with frequency)
Elements	8
F/B Ratio	≥16 dB
Pole Diameter	Φ 40 mm - 50 mm
Bandwidth	15 MHz

Key Features :

- High Gain, F/B Ratio
- Vertical or Horizontal
- Long Distance Communication, Anti-Jamming
- High Quality Aluminum Alloy Material
- All Weather Operation
- Extend a Low Loss Cable

Key Highlights :

- Lightweight and compact for easy handling
- Excellent front-to-back ratio for reduced interference
- Ideal for base station and fixed installations
- Corrosion-resistant materials for long-term reliability
- Supports vertical or horizontal polarization
- Designed for consistent performance in all weather conditions

Applications

- Public safety and emergency services
- Land mobile radio (LMR) systems
- Marine and port communications
- Industrial and utility networks
- Base station installations

Installation Guide

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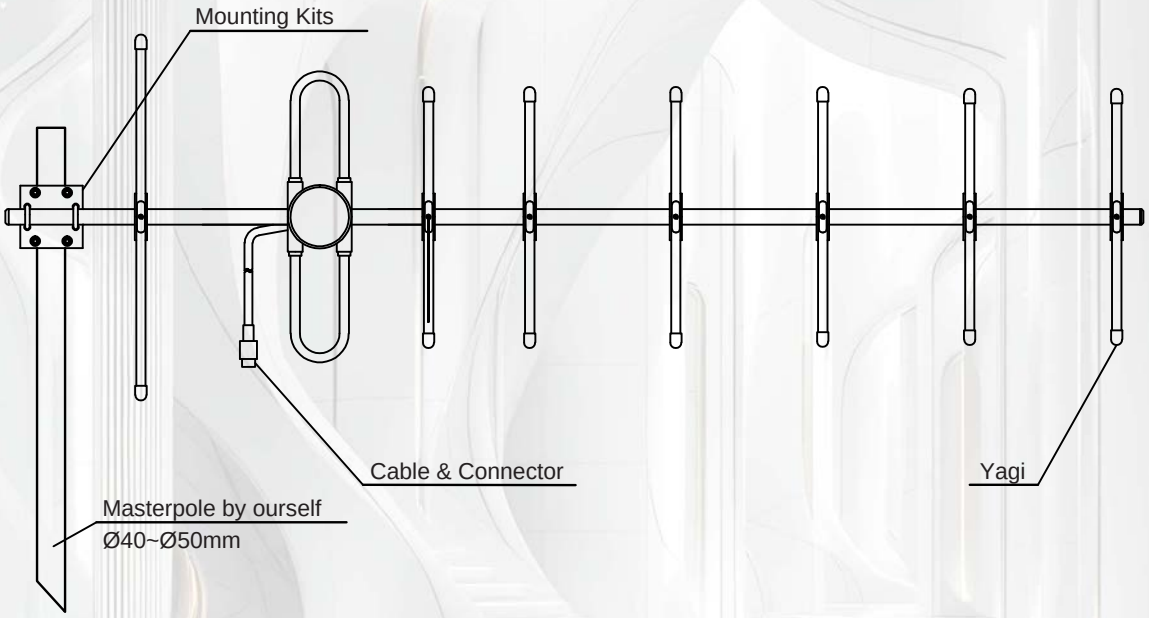
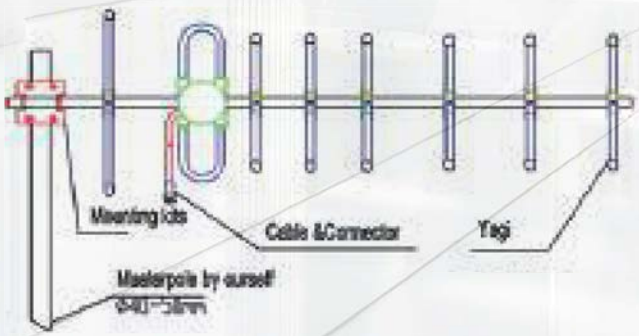
Key Highlights

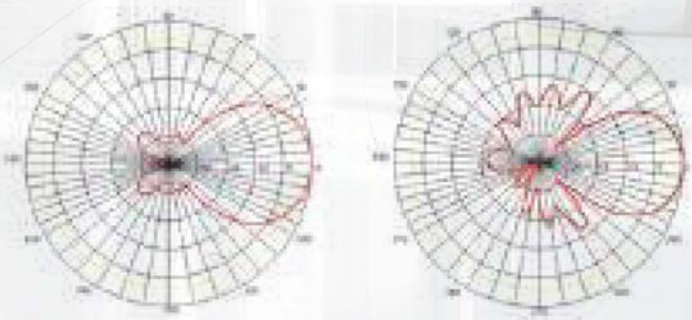
1. Upon receipt of the antenna, check the contents for damages. Immediately notify the carrier if any of the contents are missing or damaged;
2. Fix the antenna on the tower using the desired pole diameter mentioned on the illustration above;
3. Position the antenna to the right direction to optimize the correct polarization with the feed-line down;
4. Always weatherproof the cable connection. Failure to do so will degrade antenna signal over time.

Note: Pole is NOT included in the package.



Reference Patterns





E-Panel H-Panel