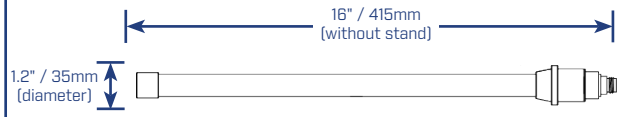
Specifications

Frequency	2400~2500 MHz
Max Gain	8 dBi
Max Input Power	=<20 mW
VSWRL	<=2.0
Connector	N Female
Wave Impedance	50 Ω
Horizontal signal pattern (H-plane)	(3 dB beam width): 360°
Vertical signal pattern (E-plane)	(3 dB beam width): 10°
Mounting Type	Mast (optional)
Weight	0.9lbs (390g)
Dimensions	16 × 1.2 × 1.2" (415 × 35 × 35mm)

Dimensions



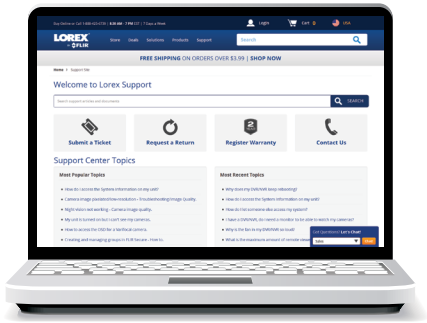
Features

- 360° horizontal signal pattern
- 10° vertical signal pattern

Resources

Need Help?

Visit us online for up-to-date software and complete instruction manuals



1. Visit **lorextechnology.com**
2. Search for the model number of your product
3. Click on your product in the search results
4. Click on the **Downloads** tab

ACCANT08_QSG_EN_R1

LOREX®

2.4 GHZ Omni-Directional Antenna

Quick Start Guide
English Version 1.0

ACCANT08

www.lorextechnology.com

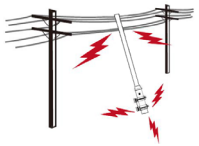
Safety Precautions

Carefully observe these instructions and any special instructions that are included with the equipment you are installing.

IMPORTANT:

Examine the site prior to beginning any installation and anticipate the following potential hazards.

CONTACT WITH POWER LINES IS EXTREMELY DANGEROUS



Make sure there will be no possible contact with any power lines. Assume all overhead lines are power lines. Ensure no antennas, masts, towers, guide wires, or cables may fall and make contact with power lines during installation.

The horizontal distance from a tower, mast, or antenna to the nearest power line should be at least twice the total length of the combined mast and antenna. This will ensure that the mast will not contact power if it falls during or after installation.

TO AVOID FALLING, USE SAFE PROCEDURES WHEN WORKING AT HEIGHTS ABOVE GROUND

- Select equipment locations that will allow safe, simple equipment installation.
- Do not work alone. A friend or co-worker nearby is important when dealing with electrical equipment.
- Do not erect antennas or towers on windy days.
- Only use approved non-conducting ladders and other safety equipment.
- If a tower or mast begins falling, do not attempt to catch it—stand back and let it fall.
- If any piece of equipment comes into contact with a power line, **DO NOT TOUCH IT OR ATTEMPT TO MOVE IT** — call your local power company.

MAKE SURE ALL TOWERS AND MASTS ARE SECURELY GROUNDED AND ELECTRICAL CABLES CONNECTED TO ANTENNAS HAVE LIGHTNING ARRESTORS

This will help prevent fire damage or human injury in case of lightning, static build-up, or short-circuit within equipment connected to the antenna.

- The base of the antenna/mast or tower must be connected directly to the building's grounding rod or to one or more approved grounding rods using 1 0AWG ground wire and corrosion-resistant connectors.
- Refer to the National Electrical Code for grounding details.
- Lightning arrestors for antenna feed coaxial cables are available from your local hardware store.

IF A PERSON COMES IN CONTACT WITH ELECTRICAL POWER:

- **DO NOT TOUCH THE PERSON**—Use a non-conductive dry board, stick, or rope to push or drag them so they are no longer in contact with the electrical source.
- Once the person is no longer in contact with the electrical power, call an ambulance.

Compatibility

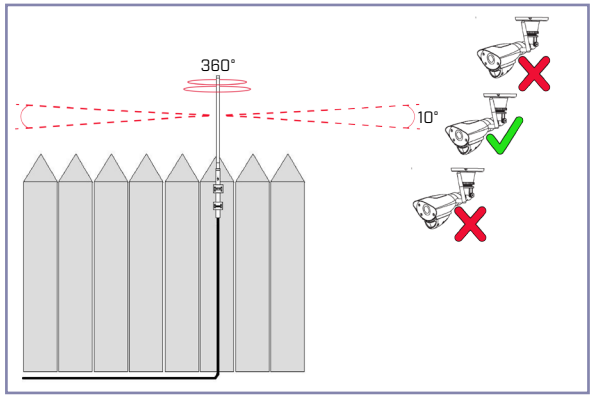
Prior to installing the antenna, visit lorextechnology.com/compatibility and review the **Wireless Range Extender Antennas Compatibility** chart.

Installation Tips

ATTENTION:

Prior to installing your antenna, review the online **antenna FAQ** by visiting lorextechnology.com and searching for **ACCANT08**. Read the **antenna FAQ** to ensure you have the correct antenna and installation method to meet your needs.

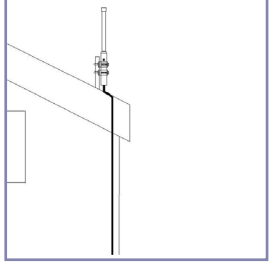
- The antenna has a 360° horizontal signal pattern and a 10° vertical signal pattern (see diagram below).
- The highest signal strength is located within 10° of the middle of the antenna. Cameras located above or below the middle of the antenna may recieve poor or no wireless signal.
- A clear line of sight between the middle of the antenna and the wireless camera(s) is necessary to ensure effective signal strength (estimated range up to 800ft).
- Objects such as concrete, cement, trees, or other large objects can reduce the strength of your wireless signal.



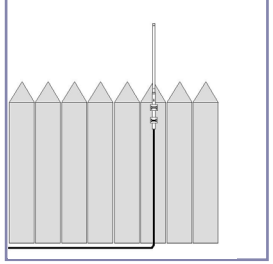
The antenna can be installed in several locations, such as a roof, fence, deck, or the side of your house. Using a mast for installation is optional. Use a mast if necessary to achieve a clear line of sight between the antenna and the wireless cameras.

NOTE: Consult your local hardware store about what type of mast would be suitable for your particular installation.

Roof with Mast



Fence



NOTE: You can use the Omni-Directional Antenna along with a Directional Panel Antenna (Lorex model: **ACCANTD9**) to increase the range of a specific camera. Connect the Directional Panel Antenna directly to the camera. A clear line of sight is highly recommended in order to maximize signal strength. Visit lorextechnology.com for more details.

Directional Panel Antenna
(Lorex model: **ACCANTD9**)

Installing the Antenna

ATTENTION:

- Review the **Installation Tips** prior to assembling and installing the antenna. Following the installation tips is necessary to ensure effective signal strength.
- Select a mounting location (roof, fence, etc.) prior to assembling the antenna. Mast (not included) might be required for proper mounting depending on your specific installation.

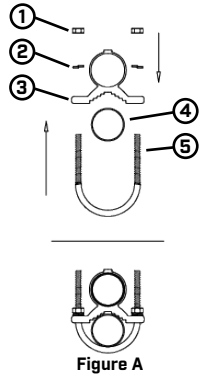


Figure A

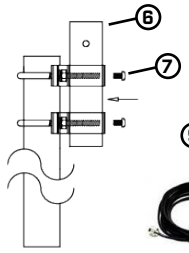


Figure B

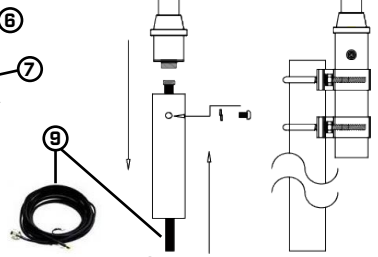


Figure C

Figure D

Package contents:

1. Nut (×4)
2. Spring Washer (×5)
3. Aluminum Tube Clamp (×2)
4. Mast (not included—optional for installation)
5. U-Bolt (×2)
6. Aluminum Tube
7. Screw (×3)
8. Omni-Directional Antenna
9. 20ft (6m) Antenna Extension Cable

Assembling the antenna:

1. Assemble the aluminum tube clamps and U-bolts (see **figure A**). Insert the aluminum tube through the aluminum tube clamp (see **figure B**).
2. Feed the antenna extension cable through the bottom of the aluminum tube. Screw onto the bottom of the omni-directional antenna (see **figure C**).
3. Connect the omni-directional antenna into the aluminum tube and fasten with screw and spring washer (see **figure D**).
4. Mount the completed omni-directional antenna to a mast (not included) and fasten to your desired mounting location (roof, deck, fence, etc.).
5. Connect the other end of the extension cable to a wireless receiver.

   NOTE: Newer wireless receivers may include weatherproof housing and can be installed outdoors. See the product specifications to determine the weatherproof rating of your receiver.