



Installation Instruction for CMAX-LHM2 Antennas



CMAX-LHM2-30-I53
CMAX-LHM2-3030-I53
CMAX-LHM2-22-I53
CMAX-LHM2-60-I53

Document Number: **M0153AE**
Document Revision: **01**

Date: **January 2026**

Copyright © 2026 ANDREW®, an Amphenol company. All Rights Reserved.

This document has been developed by ANDREW, an Amphenol company, and is intended for the use of its customers and customer support personnel. The specifications and information regarding the products in this manual are subject to change without notice. All statements, information, and recommendations in this manual are believed to be accurate but are presented without warranty of any kind, express or implied. Users must take full responsibility for their application of any products.

The software license and limited warranty for the accompanying product are set forth in the information packet that shipped with the product and are incorporated herein by reference. If you are unable to locate the software license or limited warranty, contact your ANDREW sales representative for a copy.

Andrew Wireless Systems GmbH, 15-January-2026

TABLE OF CONTENTS

1. GENERAL	4
2. ASSEMBLY	4
3. WALL MOUNTING	5
4. POLE MOUNTING (115 MM MAX. POLE DIAMETER)	6
5. ANTENNA MOUNTING	7
5.1. CMAX-LHM2-30-I53, CMAX-LHM2-22-I53, CMAX-LHM2-60-I53, CMAX-LHM2-3030-I53	7
5.2. AZIMUTH ANGLE	8
5.3. ELEVATION ANGLE	8
5.4. OUTDOOR INSTALLATION	9
6. CONTACTING ANDREW	11
6.1. TECHNICAL SUPPORT	11
6.2. WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT RECYCLING	11
6.3. TECHNICAL TRAINING	12
6.4. ACCESSING USER DOCUMENTATION	12

LIST OF CHANGES

Version	Changes	Release Date
M0153AEA		30-August-2023
M0153AEB	Branding and contact information updated Mounting bracket ID added in chapter 2	15-January-2026

1. General

Notes:

- Please read the complete description before starting the installation. Be sure that connectors are properly sealed from water if no cables are connected to them after installation.
- To minimize the risk of thread seizure, an anti-corrosion oil or grease can be used on nuts and bolts.

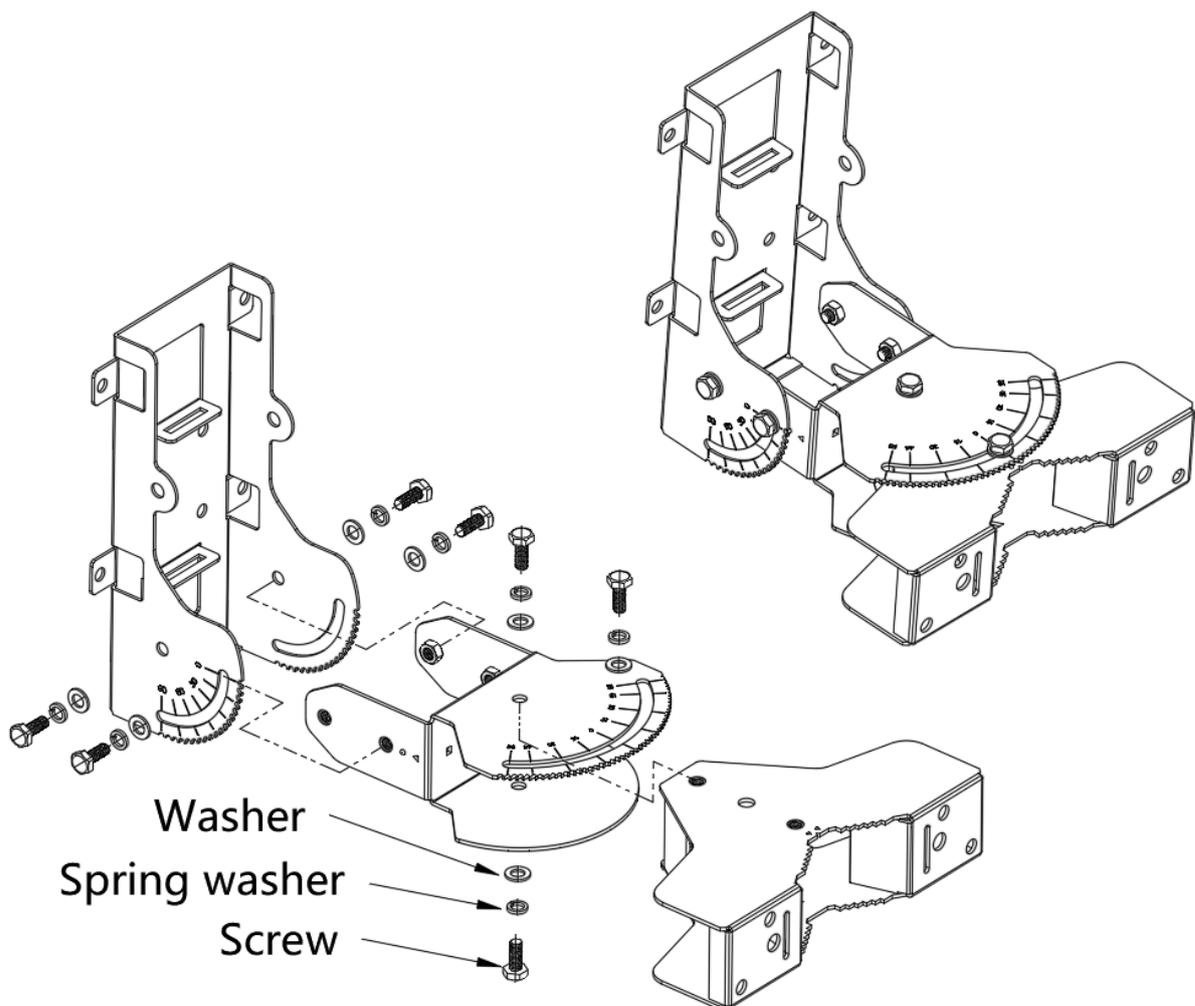
Tools required:

Wrench, width: 13 mm



2. Assembly

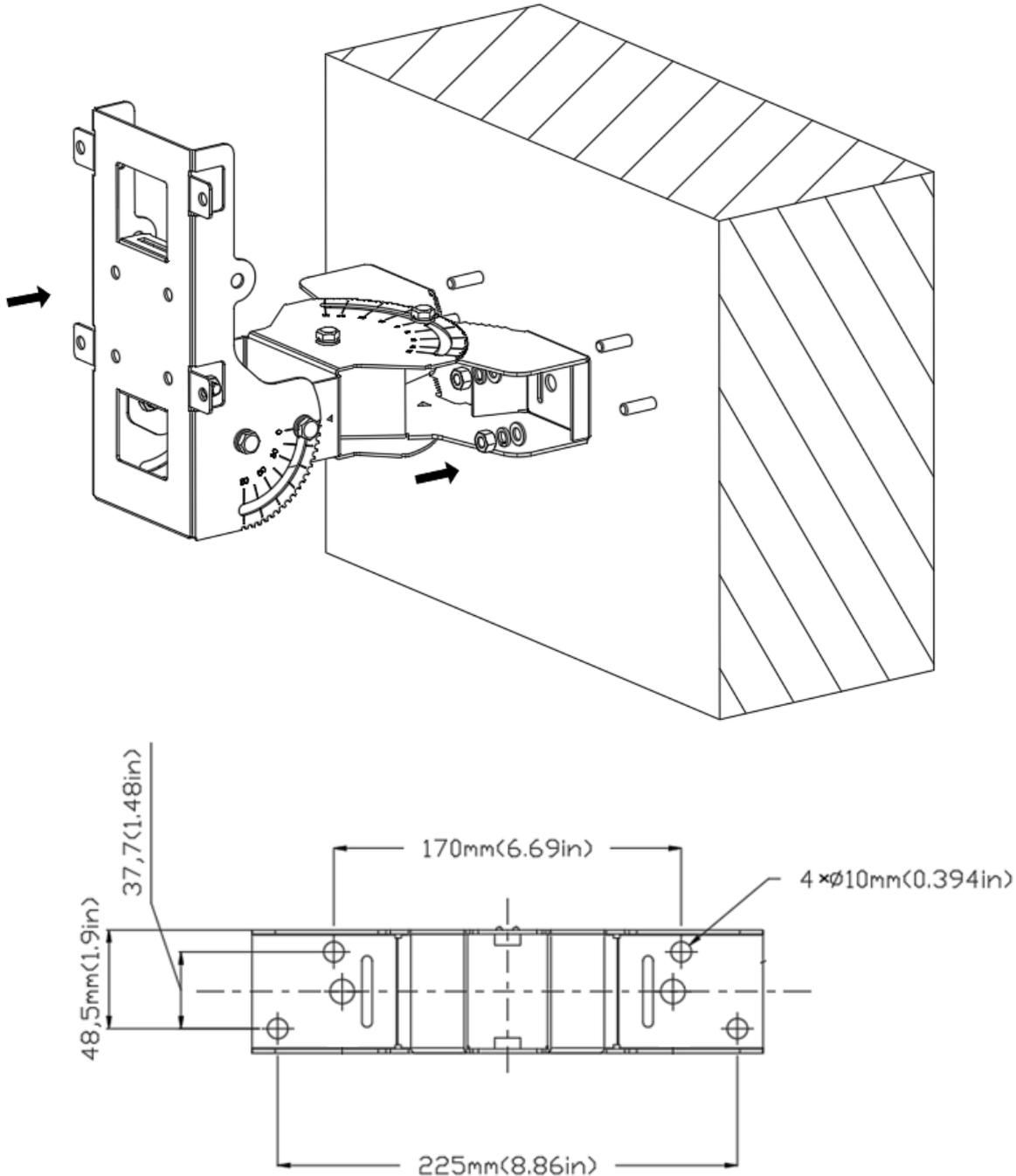
Note: If this assembly gets damaged or in case of loss, it can be ordered under the following ID: 7860706-00 Mounting bracket CMAX-LHM2 series



Fit the 3 parts together and fasten with screws M8 x 20, washers, and spring washers (M8 torque: 27 Nm).

3. Wall Mounting

To mount the antenna to a wall (pole mounting see next chapter), proceed as follows:

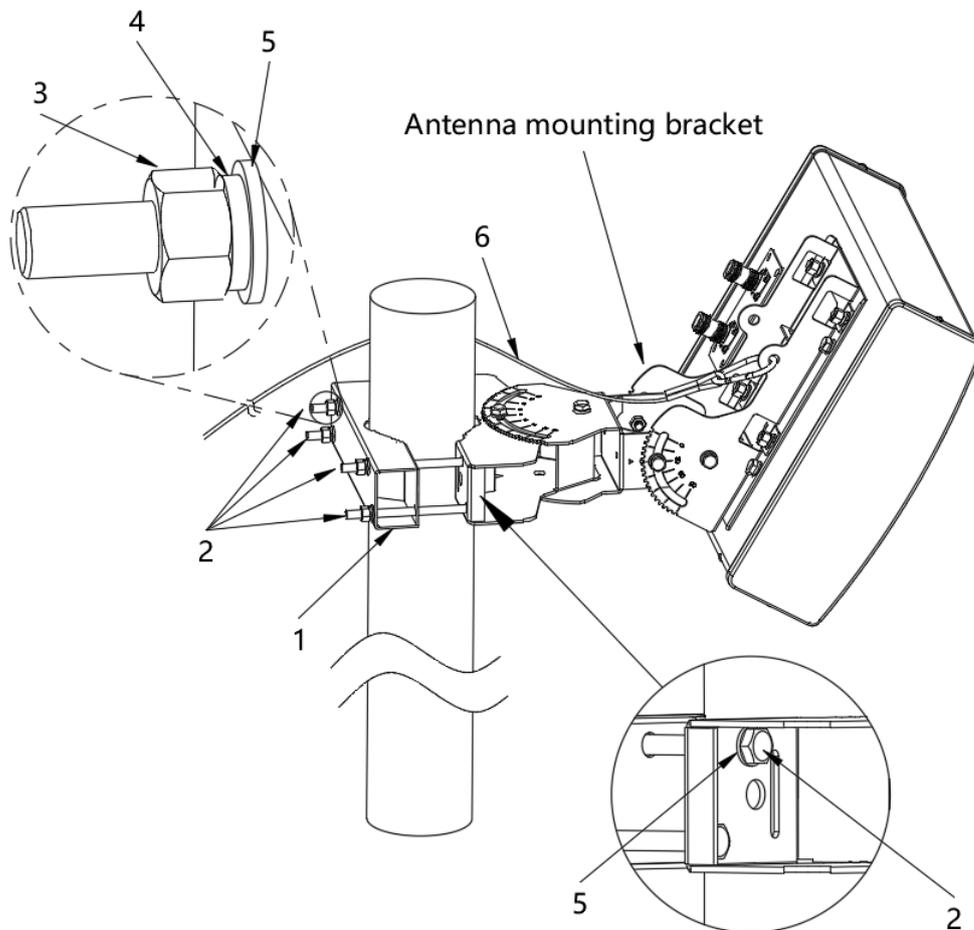


1. Mark 4 holes onto the wall as shown in the drawing above (diameter of the 4 holes: 10 mm).
2. Drill four holes into the wall and insert appropriate expansion bolts into the holes.
3. Attach the antenna pedestal.
(Note: Expansion bolt parts have to be provided by the user.)

4. Pole Mounting (115 mm max. pole diameter)

Optionally, a pole-mounting kit can be ordered separately from ANDREW (ID 7814722). The recommended pole diameter for this mounting kit is 60 - 115 mm. To mount an antenna to a pole using this kit, proceed as follows:

Detail of nut with washers (4x)



Detail of bolt head with washer (4x)

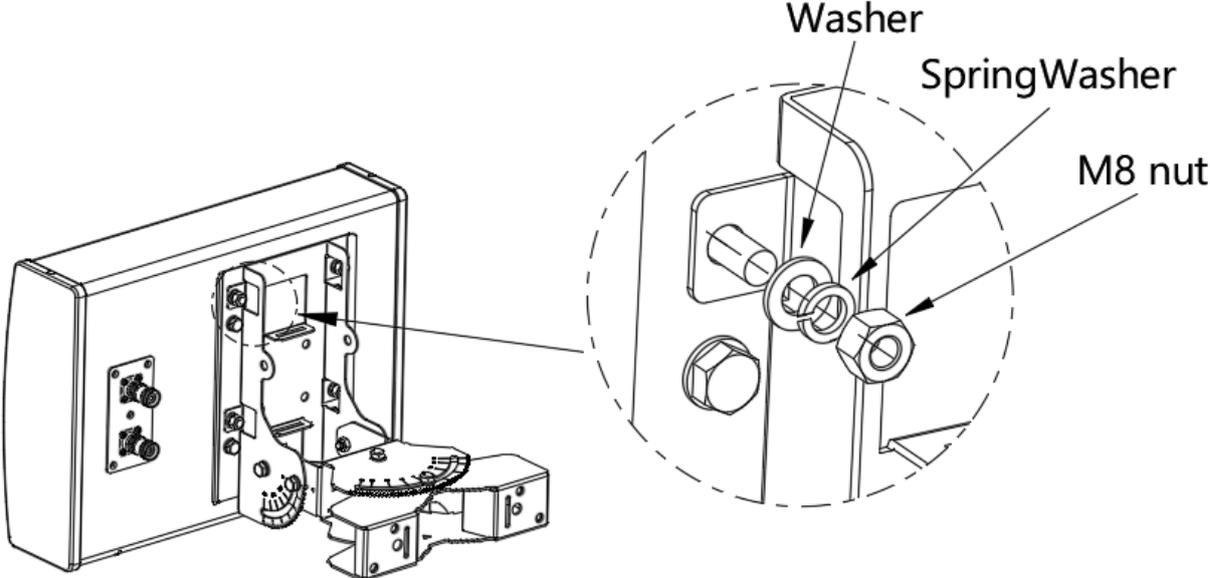
1. Insert four M8x200(2) bolts and four filled-corner washers (5) into the antenna mounting bracket (see bolt head for details).
2. Insert the pole mounting bracket into these four bolts and place the washers & spring washers (4 & 5) and the M8 nuts (3) over each bolt (detailed illustration).
3. Tighten the four M8 nuts observing the specified torque of 27 Nm.

Note:

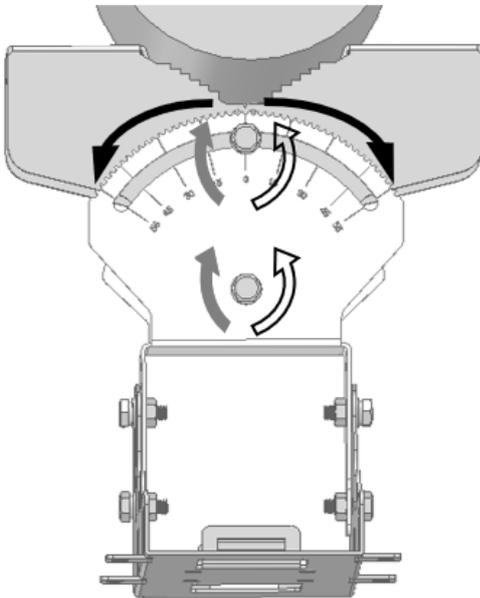
This installation method is applicable to the CMAX-LHM2-series antenna (CMAX-LHM2-30-I53, CMAX-LHM2-3030-I53, CMAX-LHM2-22-I53, CMAX-LHM2-60-I53).

5. Antenna Mounting

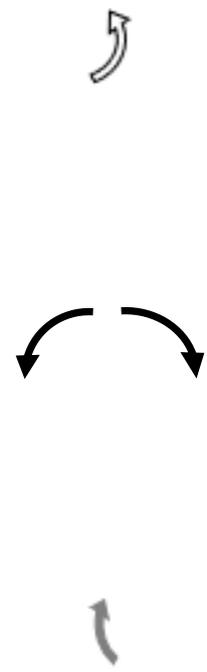
5.1. CMAX-LHM2-30-I53, CMAX-LHM2-22-I53, CMAX-LHM2-60-I53, CMAX-LHM2-3030-I53



5.2. Azimuth Angle

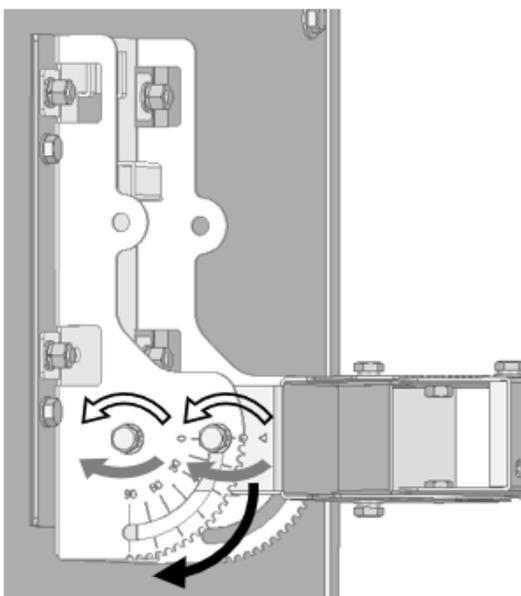


1. Loosen the three fixing screws at the top and bottom side. (Do not unscrew them completely.)
2. Adjust your desired angle. The complete antenna pedestal can be swivelled to the left-/right-hand side by up to 50° when mounted to a pole. With wall mounting, this angle is different for each antenna type (see table below).
3. Tighten the fixing screws.



Antenna	Max. azimuth adjustment
CMAX-LHM2-30-I53	40°
CMAX-LHM2-3030-I53	40°
CMAX-LHM2-22-I53	27°
CMAX-LHM2-60-I53	50°

5.3. Elevation Angle



1. Loosen the four fixing screws at the left- and right-hand side. (Do not unscrew them completely.)
2. Adjust your desired angle. The complete antenna pedestal can be swivelled to down-tilt angle 0-90°. Note: The bracket can be installed in the opposite direction to achieve up-tilt angle).
3. Tighten the fixing screws.

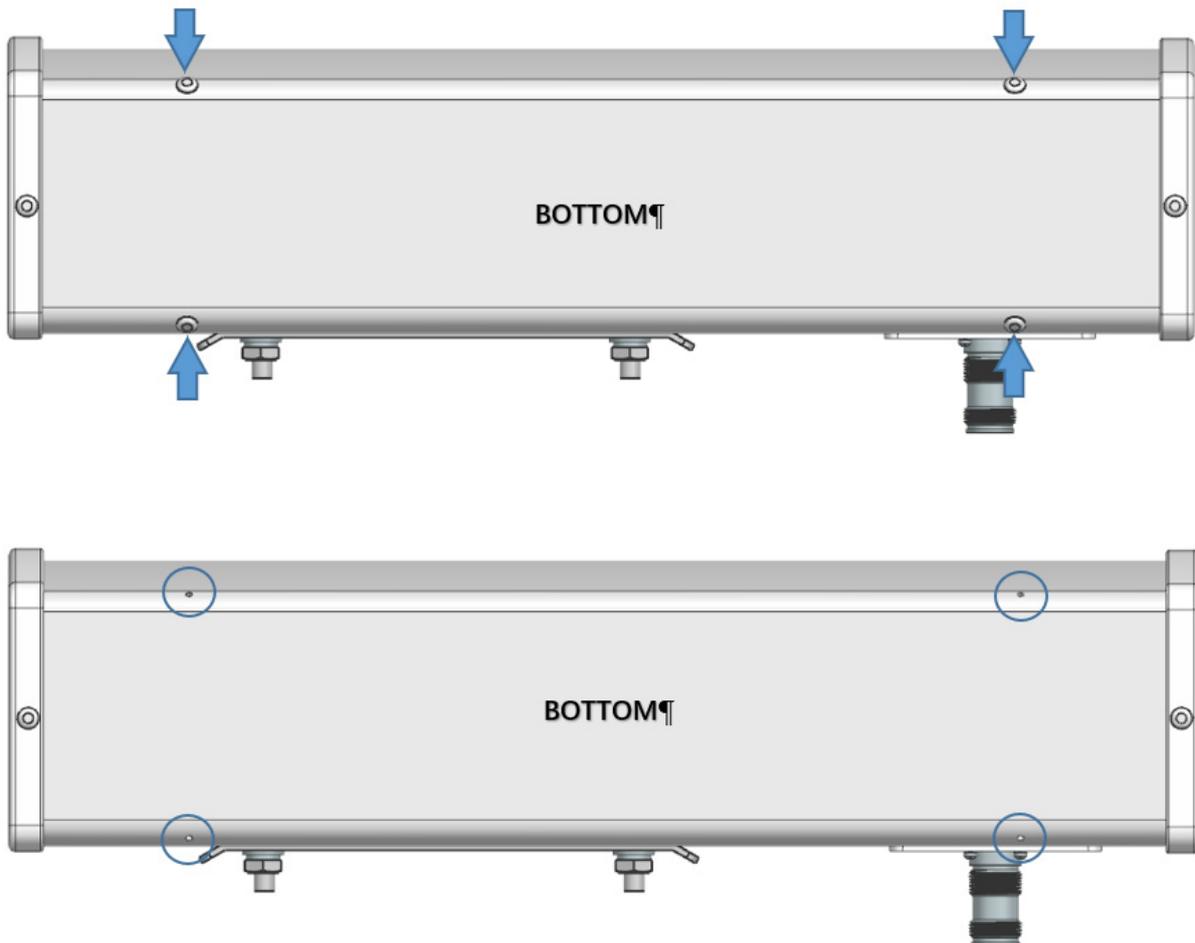


5.4. Outdoor Installation

Note: For outdoor use, the plugs must be removed from the drain hole.

NOTICE: For the top and bottom of the antenna, please observe the arrow markings on the back. The antenna must be installed with the bottom facing the ground, otherwise water may seep into the antenna and damage it.

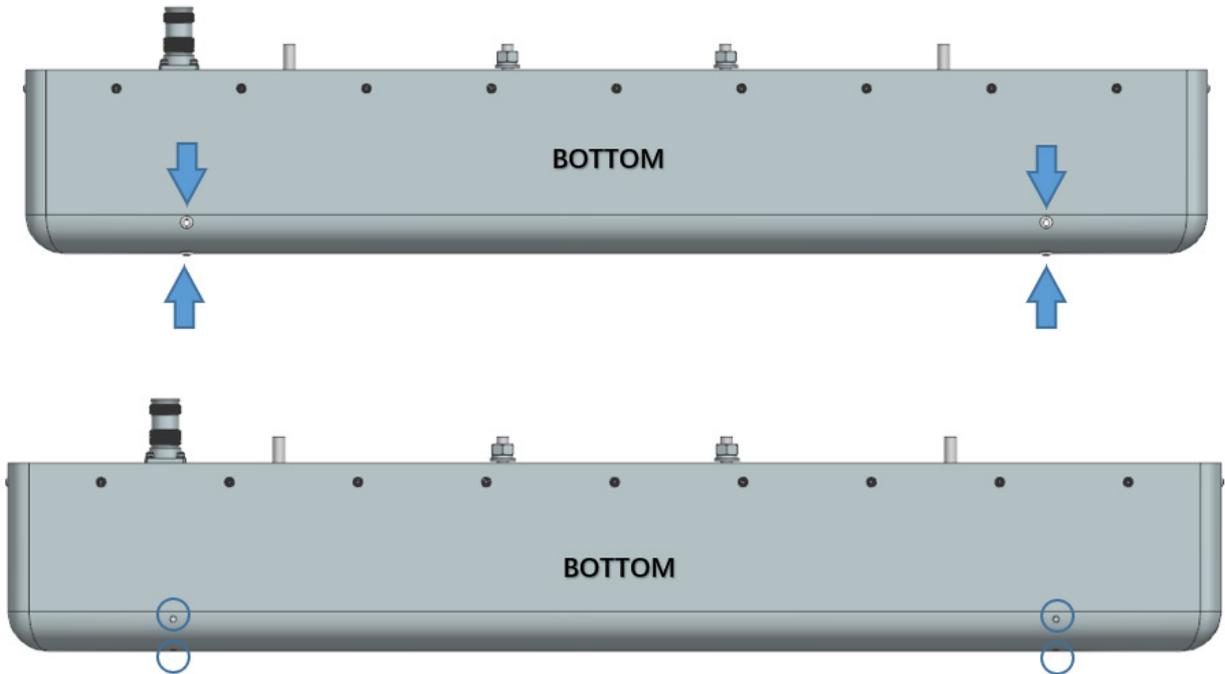
Remove the plugs from the drain holes at the bottom of the antenna with a knife or a flat screwdriver. The figure below indicates the location of the drain holes, design and/or size of the antenna may be different.



Note:

CMAX-LHM2-30-I53, CMAX-LHM2-22-I53, and CMAX-LHM2-60-I53 antenna drainage hole layout is similar to the figure above. The figure above is for reference only. Verify the exact locations with the actual antenna model you have.

The following figure is the reference diagram of the drainage hole layout of the CMAX-LHM2-3030-I53 antenna.



6. Contacting ANDREW

The following sections tell you how to contact ANDREW® for additional information or for assistance.

6.1. Technical Support

This section tells you how to contact the ANDREW Technical Support team. Support is available 7 days a week, 24 hours a day.

Telephone Helplines

Use the following Helpline telephone numbers to get live support, 24 hours a day.

24X7 +1 888-297-6433 (Toll free for U.S. and Canada)
EMEA 8:00-17:00 (UTC +1) + 800 73732837 (Toll free for parts of EMEA and Australia)
+ 49 909969333 (Toll charge incurred)

Calls to an EMEA Helpline outside of the 8:00 to 17:00 time frame will be forwarded to the 24x7 Helpline.

Online Support

Click the link below or scan the QR code to the right to submit tickets using the online [Technical Support Form](#).



6.2. Waste Electrical and Electronic Equipment Recycling

In alignment with our commitment to the Waste Electrical and Electronic Equipment (WEEE) Directive, we design and manufacture our products with sustainability as a priority. We are dedicated to supporting responsible end-of-life disposal and recycling practices, which help reduce environmental impact and promote a circular economy.

To learn more, scan the QR code to the right or click the link below:

<https://www.andrew.com/sustainability/environment/weee/>



6.3. Technical Training

1. To access training on the online technical training site, please click <https://www.andrew.com/support/training/> or scan the QR code to the right:
2. From here you can see course catalogs, training calendars, and visit the training portal that lets you register for online and instructor-led courses and take online courses.
3. Instructor-led courses are conducted in North America and Europe. Before choosing a course, please verify the region.
4. For training related questions, please contact us:
icn_training@andrew.com



6.4. Accessing User Documentation

1. Access to the Customer Portal requires a user account. If you don't have an account:
 - Visit My ANDREW at <https://www.andrew.com/membership> or by scanning the QR code to the right.
 - Click “New user registration” and follow the prompts.
 - After you have registered in My ANDREW, click the **Request access** button for the **Customer Portals**.
 - After having done the request, it might take several days to get approved. Then, you can select the **Indoor Wireless Resource Center for ANDREW** from the list of applications.
2. To go directly to the portal, where you can access the DAS-user documentation, scan the QR Code to the right.
Alternatively, visit My ANDREW (see above) and use the **Indoor Wireless Resource Center for ANDREW** application.
3. In Tools and Documentation, search by product, document category, or title.
4. Click on the title of any document to open it.

