



Installation Instruction for CMAX-HM4-3030-I53 Antenna



CMAX-HM4-3030-I53

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Andrew Wireless Systems GmbH, 16-July-2025

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LIST OF CHANGES

Version	Changes	Release Date
M0153AJA		13-August-2024
M0153AJB	Branding and contact information updated	16-July-2025

1. Installation

1.1. Important Installation Information

- 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.

1.2. Preparations and Mounting Direction

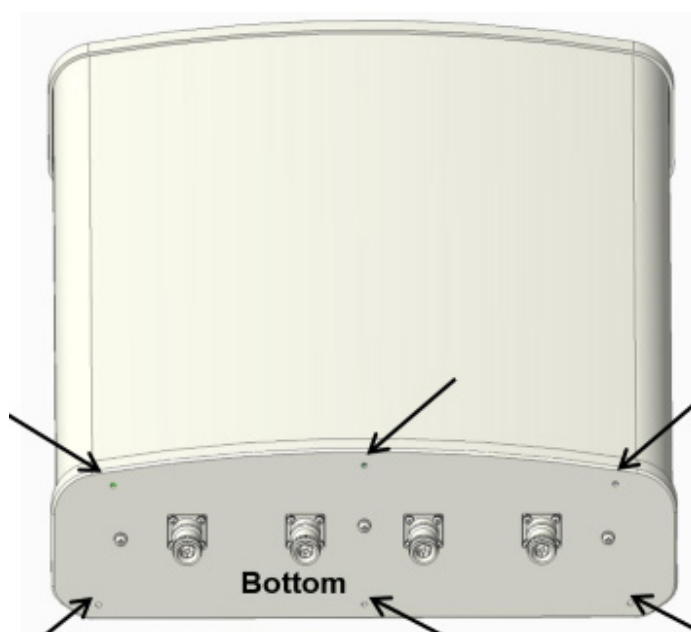
For the mounting direction of the antenna, please observe the **arrow label on the backside** of the antenna.



The antenna **must be installed** with the **bottom facing the ground** (as shown in the figure below); otherwise, water may seep into the antenna and damage it.

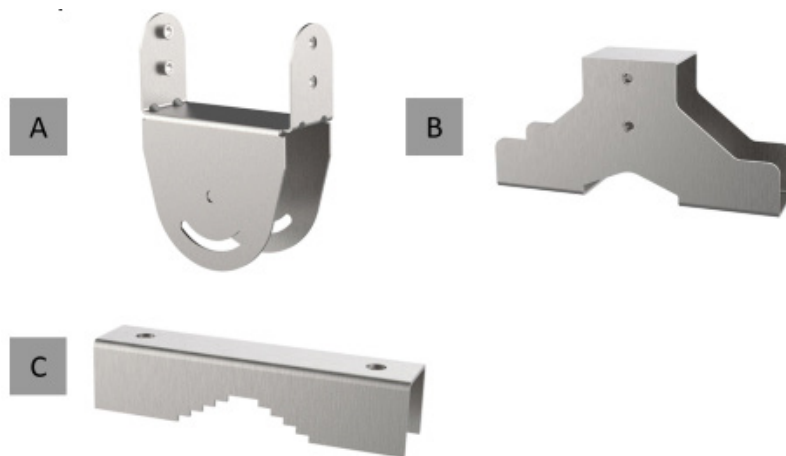
The antenna has drainage holes at the bottom to drain the water from inside the antenna (e.g. due to condensation caused by high temperature differences). To achieve this, the indicated mounting direction also ensures that they face downwards.

For shipping, the drainage holes are covered by plastic rivets which **must be removed for outdoor use** (i.e. environments where high temperature differences can be expected). For their removal, a knife or a flat screwdriver can be used. The arrows in the figure below indicate their locations:



1.3. Mounting Equipment

Bracket Parts:



Packing List	
Name	Qty
A/Adapter plate	1
B/Adapter plate	1
C/Clamp plate	1
Hexagon bolt GB/T5783 M10x160	2
Hexagon bolt assembly GB/T9074.17 M8x20	8
Flat washer GB/T97.1 10	4
Nut GB/T6170 M10	6

Installation Tools (to be prepared by customer):



13 mm Dual-purpose wrench (2 PCS)
16 mm Dual-purpose wrench (2 PCS)



inclinometer

1.4. Installation Procedure

Observe the following for the individual installation steps:

Nut	Torsion
M8	27 Nm

Nut	Torsion
M10	43 Nm

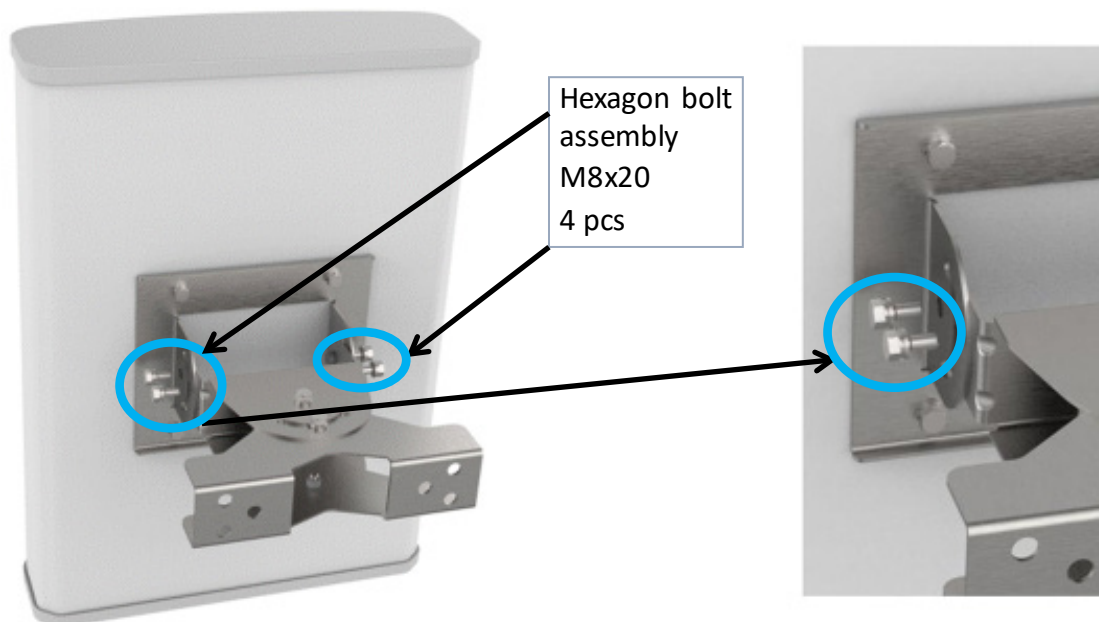
1.4.1. Step 1: Assemble the Bracket

Part A/B is assembled with four M8×20 hex bolt assemblies as shown:



1.4.2. Step 2: Install the Bracket

As shown, four M8x20 hexagon bolt assemblies are used to secure the bracket to the connection plate on the antenna.



1.4.3. Step 3: Install the Antenna

1.4.3.1. Method 1: Wall Installation

Step 1:

Drill four Ø13mm holes in the wall to a depth of 90 mm as shown:



Step 2:

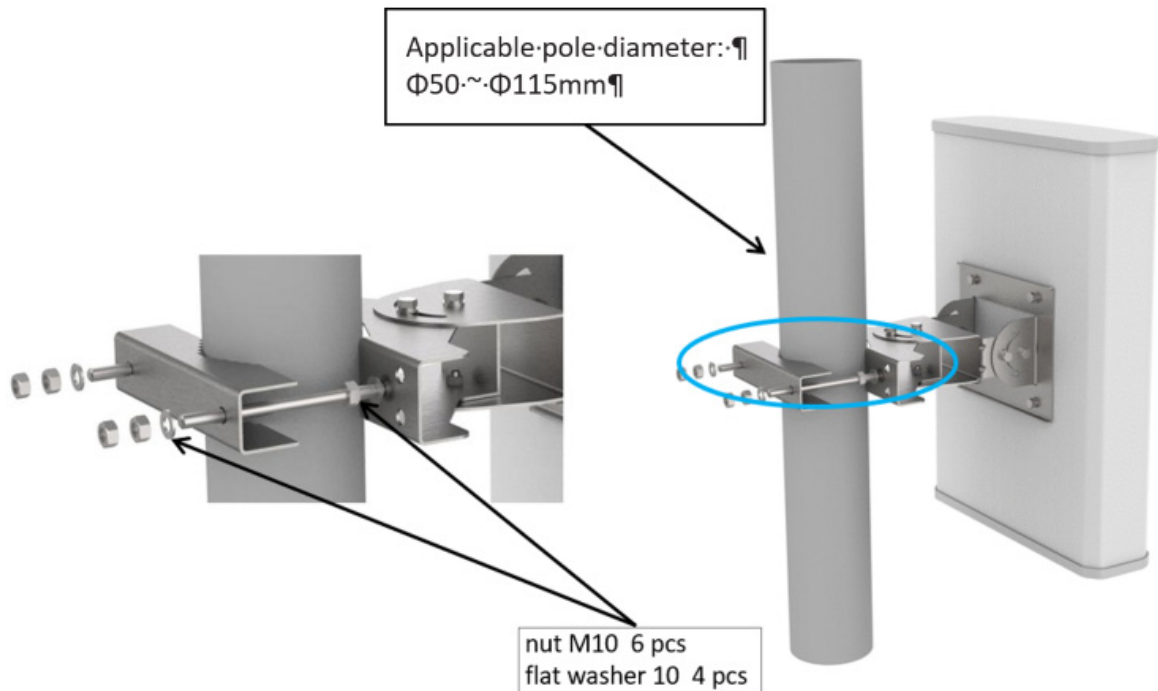
Insert four M10x100 expansion bolts (not part of the delivery) into the holes in the wall, and then attach the antenna via the expansion bolts to the wall.

Notice:

Make sure to use expansion bolts that are rated for the mounting surface (wall structure and materials) and are, thus, suitable for the on-site conditions.

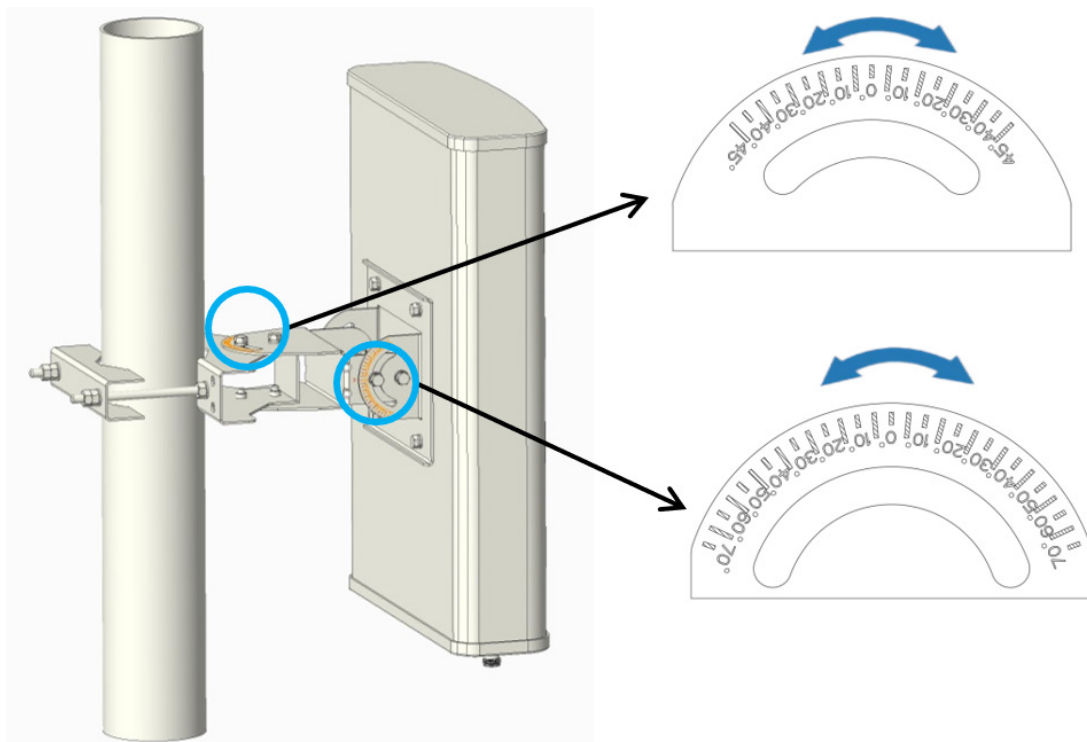


1.4.3.2. Method 2: Pole Installation



1.4.4. Step 4: Antenna Tilt Adjustment

The horizontal and vertical angles of the bracket can be adjusted to meet the actual needs of the antenna. The horizontal angle adjustment range is $\pm 45^\circ$, and the vertical angle adjustment range is $\pm 37.5^\circ$. After the horizontal and vertical angles are adjusted, lock all the nuts to complete the antenna installation.



2. Contacting ANDREW

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

2.1. Technical Support

The following sections tell 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](#).



2.2. Waste Electrical and Electronic Equipment Recycling

The ANDREW focus on building a sustainable future includes protecting and preserving the environment. The challenges our planet now faces — including climate change, resource depletion and pollution — require urgent attention and innovative solutions.

We believe that sustainable practices are key to addressing these challenges and ensuring a healthier environment for future generations. Through responsible actions, eco-friendly initiatives and cutting-edge technologies, ANDREW is empowering businesses and communities to reduce their environmental impact. Join us in making a meaningful difference.

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

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



2.3. 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



2.4. 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.

