



# u7-to-u8 Mounting Plate Installation Instructions

PART NUMBER: U8ACC-00004-0

Document number: 700-00143-000 rev C

20 April 2023

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# 1 Introduction

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This document describes how to assemble and install the u7-to-u8 mounting plate kit (U8ACC-00004-0) for the Kymeta Hawk™ u8 user terminal, herein after referred to "UT."

The u7-to-u8 mounting plate functions as a static mount for the u8 UT. It also functions as an adapter for all Kymeta™ u7 land-fixed systems for the Kymeta u8 system.

✎ The u8 UT is larger and slightly heavier than the u7 UT; before using the universal mounting plate, consider the size and weight capability of the platform.

✎ The u7-to-u8 mounting plate is not compatible with the prototype u7 vehicle mounting kit. To mount a u8 UT on a vehicle, purchase the Kymeta vehicle rack mount kit (U8ACC-00055-0).

# 2 What's in the kit

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- » (1) u7-to-u8 mounting plate
- » (4) stand-off posts
- » (4) 90 mm × M10 × 1.25 hex head screw
- » (1) Loctite 242

# 3 Tools required

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- » 17 mm socket
- » Torque wrench

## 4 Before you start

Before you install any components, refer to *Kymeta u8 products safety and handling guide (700-00122-000)* to familiarize yourself with the key steps to remember while installing the u7-to-u8 mounting plate.

**If your UT looks like the one below, you need to purchase four 90 mm M10 × 1.5 hex head screws to use instead of the four 90 mm M10 × 1.25 hex head screws that come with the kit.** The M10 × 1.25 hex head screws that come with the kit do not fit your UT.

⚠ Using the wrong screws may damage the UT.



## 5 Install the mounting plate

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1. Place your UT on a table with the shroud facing up. Use a foam pad or other soft material to protect the radome.
2. Align the four stand-off posts with the primary mounting points as shown. Note that your UT may look slightly different than the one shown below.



3. Align the mounting plate with the stand-off posts. Ensure the etched surface is facing up and visible.



4. If your UT looks like the one below, install the four 90 mm M10 × 1.25 hex head screws included in the kit through the stand-off posts. Apply Loctite 242 to each screw and torque to 33.9 n-m (25 ft.-lb.) with the 17 mm socket.



If your UT looks like the one below, install four 90 mm M10 × 1.5 hex head screws that you purchased (not included in the kit) through the stand-off posts. Apply Loctite 242 to each screw and torque to 33.9 n-m (25 ft.-lb.) with the 17 mm socket.



 Using the wrong screws may damage the UT.

See [Appendix B. Loctite 242 instructions](#) for proper application information.

5. Secure the mounting plate to whatever mount you are attaching the UT to. The mounting plate has four blind holes that are threaded for M8 sized bolts (not provided with this kit). Use bolts that fully engage. Apply Loctite 242 to these fasteners for best results.

## 6 Customer support

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Contact your distribution partner (DP) for technical support. If you don't have your DP contact details, send your antenna and modem serial number at [support@kymetacorp.com](mailto:support@kymetacorp.com), and Kymeta will provide the contact information for your DP.

## 7 Revision history

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Revision	Change
A	Initial production version
B	Added Loctite 242 information.
C	Added callouts for required hardware for latest UT updates.

## 8 Copyright and trademark information

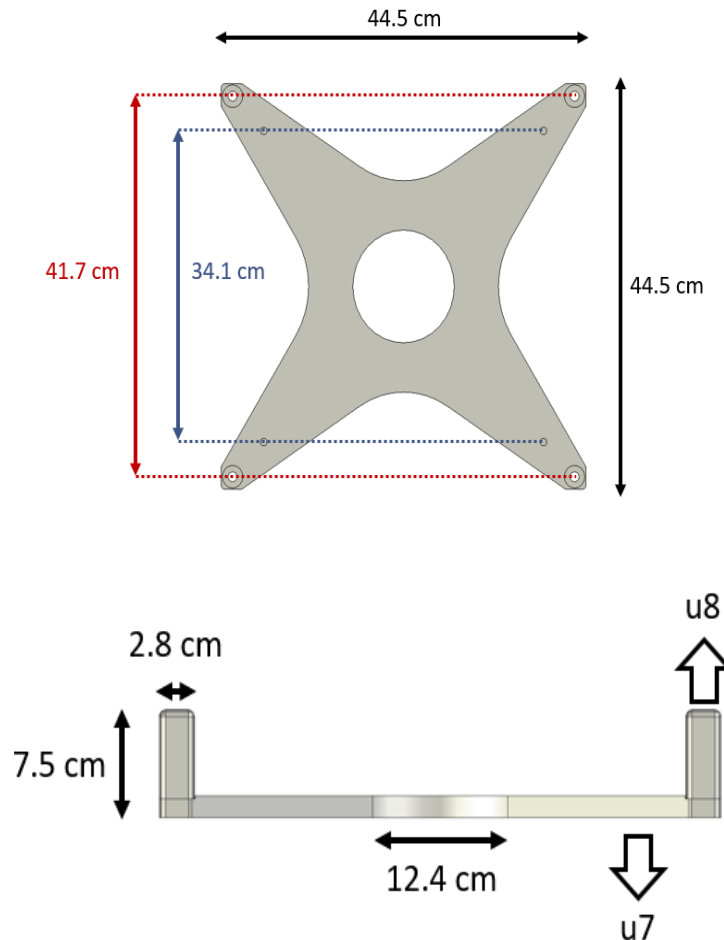
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## Appendix A. u7-to-u8 mounting plate drawings and dimensions

The u7-to-u8 mounting plate is 44.5 cm × 44.5 cm × 7.5 cm (17.52 in. × 17.52 in. × 2.95 in.).


The u8 mounting points (M10) are spaced 41.7 cm (16.42 in.) apart, centered on the terminal. The u7 mounting points (M8 x 1.25 mm thread) are spaced 34.1 cm (13.42 in.) apart with 10 mm (3.94 in.) of thread and 15 mm (5.90 in.) max hole depth.





## Appendix B. Loctite 242 instructions

Loctite Threadlocker Blue 242 is designed for the locking and sealing of threaded fasteners which require normal disassembly with standard hand tools. The product cures anaerobically when there is an absence of air between close fitting metal surfaces. It protects threads from rust and corrosion and prevents loosening from shock and vibration. For technical specifications and material safety, see the [Technical Data Sheet](#) and the [Safety Data Sheet](#).

 Loctite 242 causes skin and eye irritation, may cause damage to organs through prolonged or repeated exposure.

### Prevention and response

Do not breathe vapors, mist, or spray. Wash affected area thoroughly after handling. Wear protective gloves.

Take off contaminated clothing. If on skin: wash with plenty of water. If skin irritation occurs, get medical attention.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if you feel unwell. If eye irritation persists, get medical attention.

For full response and safety details, see the [Loctite Safety Data Sheet](#).

### Typical application properties

Parameter	Specification
Application temperature	Apply above 10 °C (50 °F)
Odor	Minimal
Set time	10 minutes on active metals (steel). Longer for less active metals.
Cure time	24 hours (dependent on temperature and the type of material being bonded)
Viscosity	900 – 1,400 cP

### Application instructions

Apply a 360° bead of product to the leading threads of the male fitting, leaving the first thread free. Force the material into the threads to thoroughly fill the voids. For bigger threads and voids, adjust product amount accordingly and apply a 360° bead of product on the female threads also. Loctite applied in this manner will provide a water and dust resistant seal.