

XCOM LABS



User Manual for MWC-434m WiGig Module and HMD integration for XR operation

**May 2023
Rev- A**

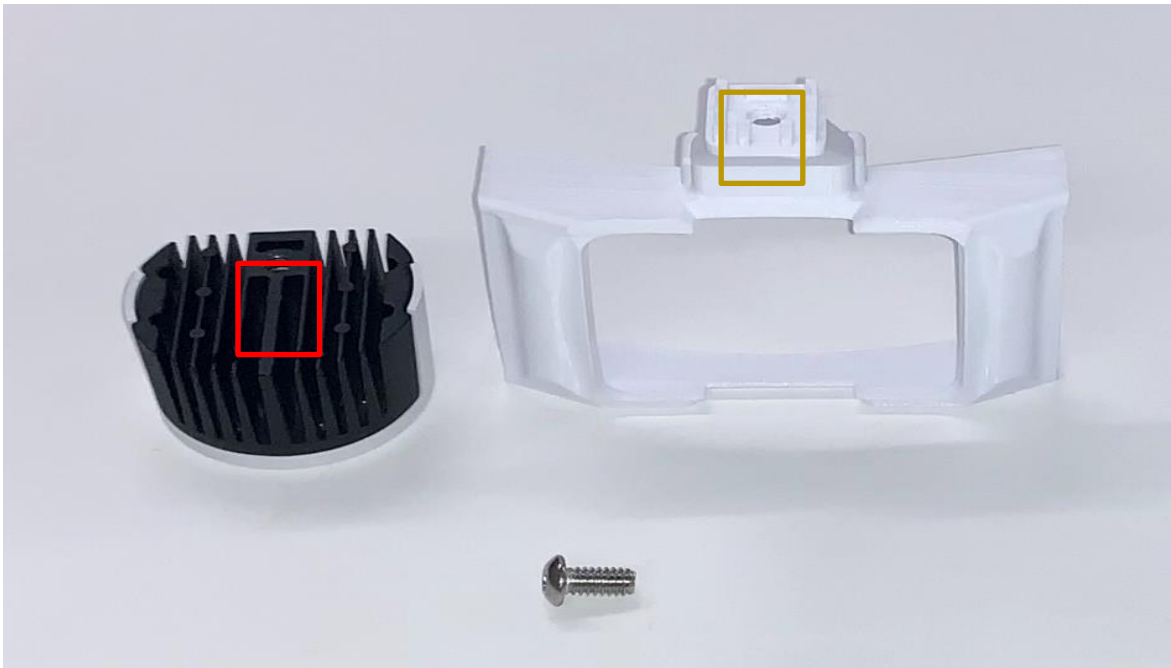
Procedure for attaching Miliwave WiGig module with head mount devices (HMD) devices for XR and VR operations

This user manual provides the instructions for integrating Miliwave MWC-434m WiGig Module (MWC434M) with commercial head mount devices (HMD) for the model numbers listed below. The module integration with HMD devices must be performed by trained and certified professional installers of XCOM Labs personnels. Due to similar form factor of the below HMD devices, these procedures are applicable across all models.

Applicable HMD devices are listed here-

- HTC VIVE Focus 3
- PICO 4e
- PICO 4
- PICO neo 3

1. Use the provided screw to attach the radio module to the plastic bracket. Align the mounting tabs (highlighted by the green square) on the bracket with the notches (highlighted by the red square) on the radio module.





2. Snap the plastic bracket in place on the HMD host



3. Connect the USB-C cable to power on the radio



4. To charge the Host, disconnect the USB-C cable to the module and use the supplied OEM charger and charging cable.

REGULATORY WARRANTY SAFETY AND PRIVACY

This Guide contains safety, handling, disposal, regulatory, trademark, copyright, and software licensing information. Read all safety information below and operating instructions before using the MWC-434m WiGig Module and commercial HMD devices for specific model numbers.

FEDERAL COMMUNICATION COMMISSION INTERFERENCE STATEMENT

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC CAUTION:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

IMPORTANT NOTE

FCC Radiation Exposure Statement: This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. Under no circumstances should the MWC-434m WiGig Module and HMD be used in any areas (a) where blasting is in progress, (b) where explosive atmospheres may be present, or (c) that are near (i) medical or life support equipment, or (ii) any equipment which may be susceptible to any form of radio interference. In such areas, the MWC-434m WiGig Module and HMD **MUST BE POWERED OFF AT ALL TIMES** (since the modem could otherwise transmit signals that might interfere with such equipment). In addition, under no circumstances should the MWC-434m WiGig Module and HMD be used in any aircraft, regardless of whether the aircraft is on the ground or in flight. In any aircraft, the MWC-434m WiGig Module and HMD **MUST BE POWERED OFF AT ALL TIMES** (since the equipment could otherwise transmit signals that might interfere with various onboard systems on such aircraft).

Due to the nature of wireless communications, transmission and reception of data by the MWC-434m WiGig Module and HMD can never be guaranteed, and it is possible that data communicated or transmitted wirelessly may be delayed, intercepted, corrupted, contain errors, or totally lost.

Warning: This product is only to be installed by qualified personnel.