

FRAMERY Radar Unit 9007966

USER MANUAL

Framey

Patamäenkatu 7, 33900 Tampere, Finland

Company name: Framery, Inc.

Address: 1700 W Irving Park Rd, Suite 209A, Chicago, IL 60613, USA

Info framery.com

GENERAL NOTES

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1. Preface

This instruction manual describes the use of Framery Radar Unit. It is exclusively for use in Framery's phone booths, like Framey Pod, and other future Framery meeting space products, pods.

The user instructions contain the following information:

General information about the purpose and content of the instructions

Intended use and use conditions

Compliance statements with list the FCC rules that are applicable to the transmitter.

RF exposure conditions

Advice on further testing needed for the host and instructions to end user

A list of antennas included in the application

Assembly instructions of Radar Unit

2. Intended use and use conditions

The Framery Radar Unit model 9007966 is intended for use in Framery pods for short term indoor commercial and household use.

Warning: WARNING –To reduce the risk of burns, fire, electric shock, or injury to persons:

- Use this product only for its intended use as described in the user instructions.
- Do not use attachments not recommended by the manufacturer.

2.1 Non-conventional use

Any use or maintenance of the product that is not specifically allowed in the installation, maintenance, troubleshooting or user instructions is prohibited, including the following:

- Installation, maintenance or disassembly of the Radar Unit without reading and understanding the instructions for those actions
- Use of the Radar Unit for any other host except Framery Six Pod
- Making alterations to the Radar Unit
- Using the Radar Unit in spite of obvious defects or damage
- Using the Radar Unit or host product outdoors or in conditions where the temperature or air quality is not safe

2.2 Ambient conditions for use

The host product is intended to be used in the following conditions:

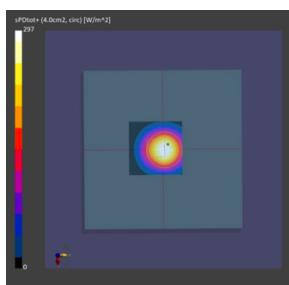
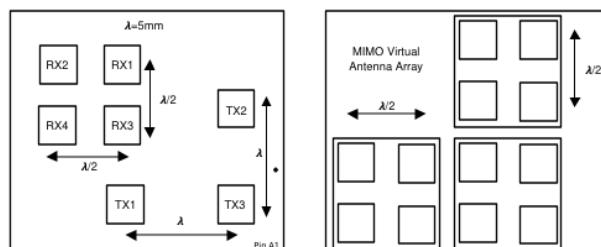
- Ambient temperature: +15°C ... +30°C (59°F ... 86°F)
- Humidity: max. 50%
- Sufficient air quality surrounding the product

3. Regulatory conditions for use

- According to definition on FCC 2.1093 this is a portable device and the following conditions must be met:
 - 1. This Approval is applicable for a portable device. The antenna installation and operating configurations of this transmitter, including any applicable source-based timeaveraging duty factor, antenna gain and cable loss must satisfy Requirements of 2.1093 for general population/uncontrolled exposures.
 - 2. The EUT is a portable device and may not transmit simultaneously with any other antenna or transmitter without shown to be compliant with requirements on 2.1093 and other applicable sections of FCC Requirements.
 - 3. This device contains mmRadar and must not transmit simultaneously with any other antenna or transmitter.
 - 4. The host end product must include a user manual that clearly defines operating requirements and conditions that must be observed to ensure compliance with current FCC RF exposure guidelines.
 - 5. This transmitter has been tested and compliant with RF exposure for general public use limb and body exposure limits. Integration should be such the end user body is prevented from approaching the Radar unit closer than 10 mm. Limb contact on Radar Unit display is allowed. This information is needed for the host product manufacturer to provide to end users in their endproduct manuals.
 - 6. To comply with FCC and ISED regulations limiting both maximum RF output power and human exposure to RF radiation, maximum antenna gain (including cable loss) must not exceed:

Operating System	Frequency Band GHz	Modulation	FCC Max Antenna Gain (dBi)	FCC EIRP Max Power (dBm)	IC Max Antenna Gain dBi	(ISED EIRPMax power (dBm))
mmWave	60-64	FMCW	5.2	10.93	5.2	-10.75

Antenna pattern



3.1 Compliance statements FCC

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.

CAUTION: any changes or modifications not expressly approved by Framery Oy could void the user's authority to operate the equipment.

The Radar Unit is a portable device per FCC 2.1093. The Radar Unit is for the use in Framery Pod Phone Booth only (final host product) and is not allowed to be integrated into any other device. The final host product requires Part 15 Subpart B compliance testing with the modular transmitter installed.

3.2 Compliance markings (labeling) FCC

For this device, OEM integrators must be provided with labelling instructions of finished products. Please refer to KDB784748 D01 v07, section 8. Page 6/7 last two paragraphs:

A certified device has the option to use a permanently affixed label, or an electronic label. For a permanently affixed label, the device must be labeled with an FCC ID - Section 2.926 (see 2.2 Certification (labeling requirements) above). The OEM manual must provide clear instructions explaining to the OEM the labeling requirements, options and OEM user manual instructions that are required (see next paragraph).

The Radar Unit has electronic label information as follows: FCC ID: 2AX4J9007966

This is available from Display Unit main menu (top left corner) → Legal information. It is available for the end user when the Radar Unit is integrated to the finished product. This guidance on how to access to the electronic labelling information on Radar Unit must be presented to the end user in the final product (Framery Pod) user manual.

According KDB 784748 D02 when e-labeling is used, a physical temporary label is also required on the product, or a label on the packaging, at the time of importation, marketing, and sales. The physical label can be a summary version of the required regulatory information, such that the product can be identified as complying with the FCC's equipment authorization requirements. The information may simply be the FCC ID for products subject to certification.

Products imported that are already packaged for sale and have a physical temporary label will satisfy this requirement. However, for products imported in bulk and not packaged individually, it is acceptable to use a temporary removable adhesive label on the product, or temporary or permanent labels on the shipping packaging or protective bags. Any removable adhesive label shall be of a type intended to survive normal shipping and handling.

3.3 Advice on Further Testing of the Host and Instructions to the End User FCC

The integrator has to be aware not to provide information to the end user regarding how to install or remove this device in the user's manual of the end product which integrates this device. The end user manual shall include all required regulatory information/warning as show in this manual.

The final host / device combination may also need to be evaluated against the FCC Part 15B criteria for unintentional radiators in order to be properly authorized for operation as a Part 15 digital device.

The user's manual or instruction manual for an intentional or unintentional radiator shall give the following statement and caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the 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.

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

To ensure compliance with all non-transmitter functions the host manufacturer is responsible for ensuring compliance with the device installed and fully operational. For example, if a host was previously authorized as an unintentional radiator under the Supplier's Declaration of Conformity procedure without a transmitter certified device and a device is added, the host manufacturer is responsible for ensuring that the after the device is installed and operational the host continues to be compliant with the Part 15B unintentional radiator requirements.

In cases where the manual is provided only in a form other than paper, such as on a computer disk or over the Internet, the information required by this section may be included in the manual in that alternative form, provided the user can reasonably be expected to have the capability to access information in that form.

3.4 Compliance statements and markings IC

IRSS-GEN

"This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions: (1) This device may not cause interference; and (2) This device must accept any interference, including interference that may cause undesired operation of the device." or

"Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :
1) l'appareil ne doit pas produire de brouillage; 2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement."

The host end product must include a user manual that clearly defines operational requirements and conditions that must be observed to ensure compliance with current ISED RF exposure guidelines.

This transmitter has been tested and compliant with RF exposure for general public use limb and body exposure limits. Integration should be such the end user body is prevented from approaching the Radar unit closer than 10 mm. Limb contact on Radar Unit display is allowed. This information is needed for the host product manufacturer to provide to end users in their end product manuals. Le produit final hôte doit inclure un manuel d'utilisation qui définit clairement les exigences et conditions opérationnelles à respecter pour garantir la conformité avec les directives actuelles d'ISED en matière d'exposition aux RF.

Cet émetteur a été testé et est conforme aux limites d'exposition des membres et du corps aux RF pour une utilisation grand public. L'intégration doit être telle que le corps de l'utilisateur final ne puisse pas s'approcher de l'unité radar à moins de 10 mm. Le contact des membres sur l'écran de l'unité radar est autorisé. Ces informations sont nécessaires au fabricant du produit hôte pour les fournir aux utilisateurs finaux dans leurs manuels de produits finaux.

This EUT is compliance with SAR for general population/uncontrolled exposure limits in IC RSS-102 and had been tested in accordance with the measurement methods and procedures specified in IEEE 1528 and IEC 62209.

This equipment should be installed and operated with minimum distance 10mm between the radiator and your body. This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

Cet appareil est conforme aux limites d'exposition DAS incontrôlée pour la population générale de la norme CNR-102 d'Industrie Canada et a été testé en conformité avec les méthodes de mesure et procédures spécifiées dans IEEE 1528 et IEC 62209.

Cet appareil doit être installé et utilisé avec une distance minimale de 10mm entre l'émetteuret votre corps. Cet appareil et sa ou ses antennes ne doivent pas être co-localisés ou fonctionner en conjonction avec tout autre antenne ou transmetteur.

Body SAR: 0.01 W/m²

The host product shall be properly labeled to identify the device within the host product. The Innovation, Science and Economic Development Canada certification label of a device shall be clearly visible at all times when installed in the host product

Le produit hôte doit être correctement étiqueté pour identifier les modules dans le produit hôte. L'étiquette de certification d'Innovation, Sciences et Développement économique Canada d'un module doit être clairement visible en tout temps lorsqu'il est installé dans le produit hôte;

Devices with an integrated display screen may have the required label information represented electronically in an e-label instead of on a physical label or nameplate.

Les dispositifs avec un écran d'affichage intégré peuvent avoir les informations d'étiquette requises représentées électroniquement dans une étiquette électronique plutôt que sur une étiquette physique ou une plaque signalétique.

The Radar Unit has electric label information as follows:

Framery Radar Unit

Model # 9007966

FCC ID: 2AX4J9007966

This is available from Radar Unit main menu -> Compliance information. It is available for the end user when the Radar Unit is integrated to the finished product. This guidance on how to access to

the electronic labelling information on Radar Unit must be presented to the end user in the final product user manual.

L'unité de contrôle a des informations d'étiquette électrique comme suit:

Framery Radar Unit

Model #9007966

IC: 26702-9007966

CAN ICES-3 (B)/NMB-3(B)

Ceci est disponible dans le menu principal de l'unité de contrôle -> Informations de conformité. Ceci est disponible pour l'utilisateur final lorsque l'unité de contrôle est intégrée au produit fini. Ce guide sur la façon d'accéder aux informations d'étiquetage électrique sur l'unité de contrôle doit être présenté à l'utilisateur final dans le manuel d'utilisation du produit final.

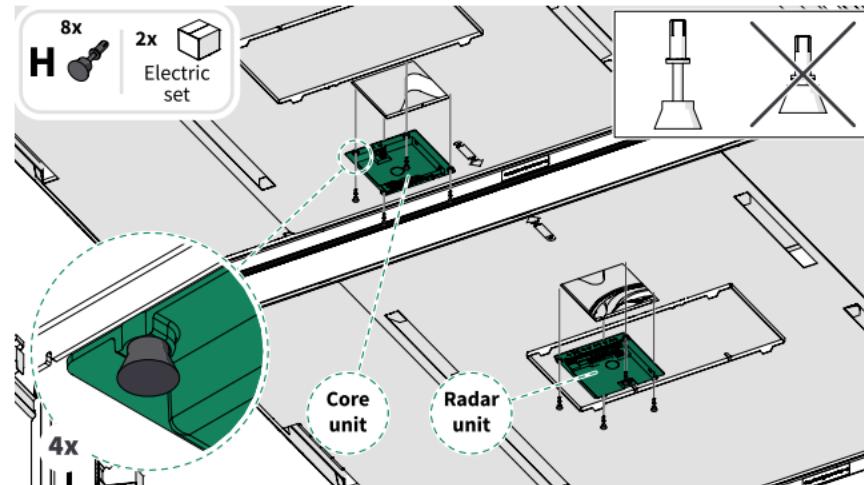
4. List of antennas

Framery Radar Unit mmWave radar unit including IC AOP antennas (Antenna on package) pads
antenna Maximum antenna gain [G]: +5.2dBi

5. Assembly instructions

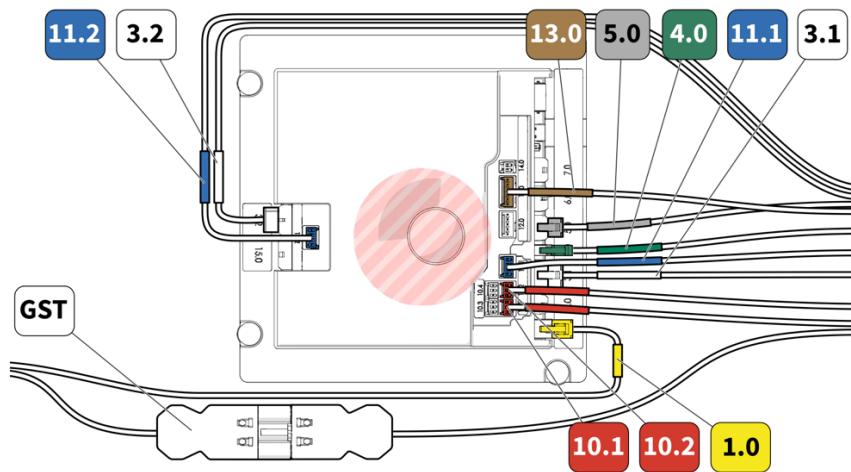
To assemble the Radar Unit on the pod roof using prefabricated parts follow the guidance below.
This information is available on Framery Six Pod Installation Instructions.

 **Note:** Check the unit type from the backside of the unit.



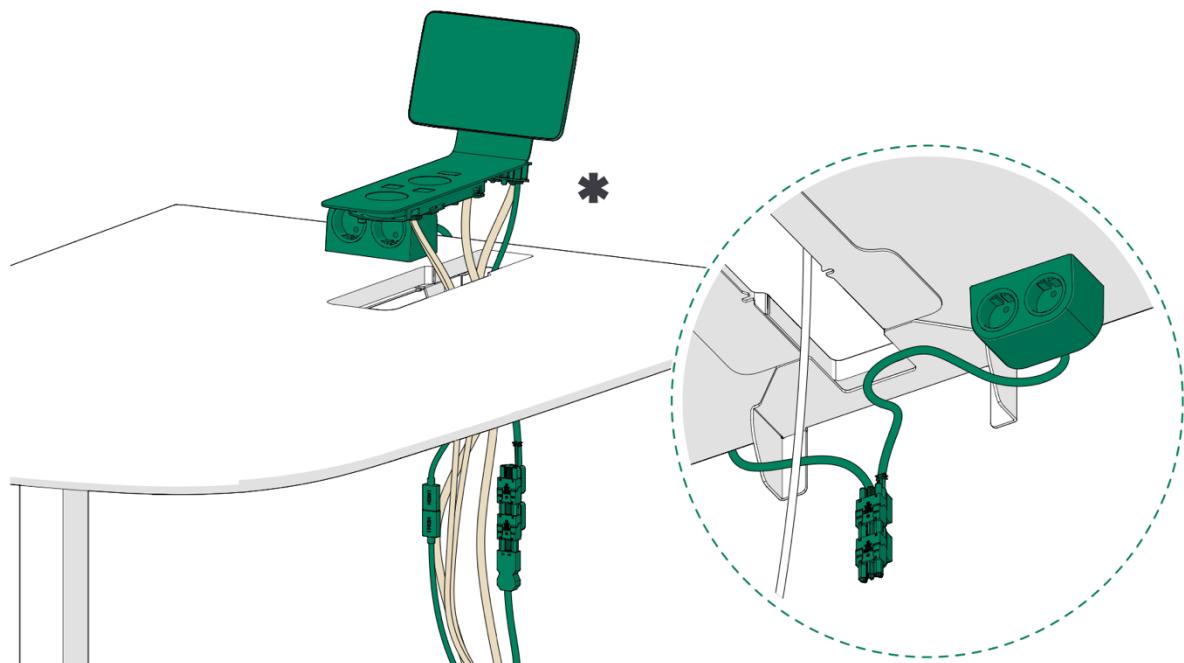
This information is available on Framery Pod Installation Instructions.

Cable assembly



This information is available on Framery Pod Installation Instructions.

Touch screen assembly



This information is available on Framery Pod Installation Instructions.