

Banner MR24 Radar Module

User Manual

Intended Audience and Scope

This User Manual provides regulatory and high-level operational information for end users of Banner Engineering products that incorporate the MR24 radar module.

The MR24 radar module is not user-installable. End users are not permitted to install, service, modify, or access the MR24 radar module or any internal radio-frequency components.

Product Functionality

Products incorporating the MR24 radar module use 24 GHz radar technology to automatically detect motion within a defined field of view. The radar operates automatically in the background and requires no user configuration, adjustment, or calibration.

RF Exposure Information

This product complies with applicable Federal Communications Commission (FCC) and Innovation, Science and Economic Development Canada (ISED) RF exposure requirements. No user action is required to maintain compliance.

FCC RF Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with a minimum distance of 20 cm (8 inches) between the radiator and your body.

This transmitter module may not be co-located or operated in conjunction with any other antenna or transmitter except in accordance with FCC multi-transmitter product procedures.

ISED RF Exposure Statement (English)

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated at a minimum distance of 20 cm between the radiator and any person.

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

Déclaration d'exposition aux RF (Français)

Cet équipement est conforme aux limites d'exposition aux rayonnements d'ISED établies pour un environnement non contrôlé.

Cet équipement doit être installé et utilisé avec une distance minimale de 20 cm entre la source de rayonnement et toute personne.

Cet émetteur ne doit pas être co-implanté ou utilisé conjointement avec toute autre antenne ou tout autre émetteur.

Regulatory Compliance Statements

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.

This device complies with Innovation, Science and Economic Development Canada licence-exempt RSS standards. 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.

Le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique 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; et
- (2) l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

FCC Labeling and Compliance

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.

Host devices must display the following label: Contains FCC ID: UE3MR24.

ISED Compliance and Labeling

This device complies with ISED license-exempt RSS standards. Operation is subject to the following two conditions: (1) This device may not cause interference, and (2) this device must accept any interference received.

Host devices must display the following label: Contains IC: 7044A-MR24.

Additional Regulatory Clarifications (ISED RSP-100 §8.2)

The MR24 radar module is approved under Innovation, Science and Economic Development Canada (ISED) requirements in accordance with RSP-100 section 8.2. Compliance of the final host product relies on installation and use of the module only under the conditions described in this document.

The final host product user documentation shall include the applicable ISED compliance statements provided in this document in both English and French, as required by RSS-GEN.

Le guide de l'utilisateur du produit hôte final doit inclure les énoncés de conformité d'Innovation, Sciences et Développement économique Canada (ISDE) fournis dans le présent document, en anglais et en français, conformément au CNR-GEN.

FCC Modification Warning

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

This notice is provided in accordance with 47 CFR §15.21.

User Restrictions

This product contains no user-serviceable parts. Any modification, servicing, or replacement of internal components may void regulatory approvals and is prohibited.