



<b>en-US</b>	RF Energy Exposure Training and Product Safety Information for Mobile and Fixed Site Infrastructure Installed in Vehicles or as Fixed Site Stations
<b>bg-BG</b>	Обучение за излагане на радиочестотна енергия и информация за безопасността на продукта за преносими двупосочни радиостанции, монтирани в превозни средства или като стационарни станции за управление
<b>cs-CZ</b>	Školení k vystavení vysokofrekvenční energii a bezpečnostní pokyny pro přenosné dvousměrné vysílačky instalované ve vozidlech nebo jako pevné řídicí stanice na pracovišti
<b>da-DK</b>	Oplysninger om uddannelse og produktsikkerhed i forbindelse med RF-energieksponering ved brug af bærbare tovejsradioer, som monteres i køretøjer eller faste installationer
<b>de-DE</b>	Schulung zu Exposition gegenüber HF-Energie und Produktsicherheitsinformationen für in Fahrzeugen installierte oder als stationäre Kontrollstationen angebrachte mobile Funkgeräte
<b>et-EE</b>	Raadiosagedusenergiaga kokkupuute koostis ja toote ohutusteave sõidukitesse või statsioonarsetesse töökoha kontrolljaamadesse paigaldatud kaheuunaliste mobiilraadiote kohta
<b>es-ES</b>	Información de seguridad y formación sobre la exposición a energía de radiofrecuencia para radios bidireccionales móviles instaladas en vehículos o como estaciones de control fijas
<b>el-GR</b>	Εκπαίδευση και πληροφόρηση ασφάλειας προϊόντος σχετικά με την έκθεση σε ενέργεια ραδιοσυχνότητων για φορητούς αμφίδρομους ασύρματους πομποδέκτες εγκατεστημένους σε οχήματα ή που χρησιμοποιούνται ως σταθμοί ελέγχου σταθερής τοποθεσίας
<b>fr-FR</b>	Formation et informations de sécurité produit sur l'exposition à l'énergie RF pour les radios bidirectionnelles mobiles installées dans un véhicule ou utilisées comme stations de contrôle fixes sur site
<b>ga-IE</b>	Oiliúint maidir le Nochtadh RF agus Faisnéis faoi Shábháilteacht Tairge do Raidiúnna Soghluaisite Dóbhealaigh a shuiteálar i bhfeithicil nó mar Stáisiún Rialaithe ag Suíomhanna Fosaithe
<b>hr-HR</b>	Obuka o izloženosti RF energiji i sigurnosne informacije o proizvodu za prijenosne dvosmjerne radiouređaje koji su ugrađeni u vozila ili su fiksne kontrolne stanice na terenu
<b>is-IS</b>	Þjálfun varðandi váhrif frá útvarpsbylgjum og öryggisupplýsingar fyrir færnarlegar tvísetufnalstjóðvar uppsettar í ökutækjum eða sem staðarstjórnstöðvar
<b>it-IT</b>	Informazioni sulla formazione sull'esposizione all'energia RF e sulla sicurezza del prodotto per le radio ricetrasmittenti portatili installate in veicoli o come stazioni di controllo fisse
<b>lv-LV</b>	Pakļaušanas RF enerģijai apmācības un produktu drošuma informācija mobilām divvirzienu radioiekārtām, kas uzstādītas transportlīdzekļos vai kā fiksētās vietas kontroles stacijas
<b>lt-LT</b>	Mokymas apie RD energijos poveikį ir produktų saugos informacija mobiliesiems dvipusio ryšio radijo aparatams, įrengtiems transporto priemonėse arba naudojamiems kaip stacionarios vietas kontrolės stotys

## Caution

Before using this product, read this booklet which contains important operating instructions.

For information on product details, brochures, user manuals and approved accessories. Please refer to [www.motorolasolutions.com](http://www.motorolasolutions.com).

## Compliance with RF Exposure Standards

National and international regulations require manufacturers to comply with the RF energy exposure limits before they can be marketed. Your Motorola Solutions product is designed, manufactured, and tested to comply with all applicable national and international regulations for human exposure to radio frequency electromagnetic energy. When the product is used as a consequence of employment, applicable regulations may require users to be fully aware of and able to control their exposure to meet occupational requirements.

## RF Energy Exposure Awareness and Control Information and Operational Instructions for Occupational Use



**Notice:** This product is intended for use in occupational/controlled conditions where users are aware of their exposure and can exercise control over their exposure to meet the requirements in national and international regulations. This product device is **not** authorized for general population, consumer use.

- <https://www.fcc.gov/>
- <https://www.osha.gov/>
- <https://osha.europa.eu/en>
- <http://www.who.int/peh-emf/project/en/>

For additional user training information on exposure requirements, consult the following websites:

- [https://www.motorolasolutions.com/en\\_us/about/company-overview/corporate-responsibility/governance-and-policies/wireless-communication-and-health-faqs.html](https://www.motorolasolutions.com/en_us/about/company-overview/corporate-responsibility/governance-and-policies/wireless-communication-and-health-faqs.html)
- <http://learning.motorolasolutions.com/>

## RF Exposure Compliance and Control Guidelines

- Do not remove any of the RF Exposure Labels if present from this device or its related accessories.
- Attach these instructions to the device when you transfer it to other users.
- Do not use this device if the operational requirements described herein are not met.

## Operating Instructions

People (bystanders) outside the vehicle should be kept at least at the recommended minimum lateral distance (as shown in the following table) away from the vehicle body. This separation will ensure that there is sufficient distance from a properly installed (according to the installation instructions) externally mounted antenna to satisfy the relevant RF exposure limits.

Table 1: Recommended Minimum Lateral Distance from People (bystanders) to the Vehicle Body

People (bystander)	Minimum Lateral Distance
General Public	64 cm
Occupational	25 cm

- To ensure continued compliance with applicable RF exposure limits, use only Motorola Solutions approved, supplied or replacement antennas, batteries, and accessories.
- For a list of Motorola Solutions approved accessories please refer to your user manual or visit [www.motorolasolutions.com](http://www.motorolasolutions.com)

## Vehicular Antenna Installation

Make sure to follow the antenna installation guidelines that are provided in this product installation manual. The antenna installation is limited to metal body motor vehicles or vehicles with appropriate ground planes.

## Fixed Antenna Installation (if applicable)

If the product can be installed and operated at a fixed location, the antenna installation must comply with the following requirements to ensure optimal performance and compliance with applicable RF exposure limits.

- The antenna should be mounted outside the building if at all possible.
- As with all fixed site antenna installations, it is the responsibility of the licensee to manage the site in accordance with applicable regulatory requirements. Actions such as site survey measurements, signage, and site access restrictions may be required in order to ensure compliance with RF exposure limits.
- People should be kept at least at the recommended minimum distances from antennas as shown in [Table 1: Recommended Minimum Lateral Distance from People \(bystanders\) to the Vehicle Body](#) on page 1.

## Electromagnetic Interference/Compatibility



**Notice:** Nearly every electronic device is susceptible to electromagnetic interference (EMI) if inadequately shielded, designed, or otherwise configured for electromagnetic compatibility. It may be necessary to conduct compatibility testing to determine if any electronic equipment used in or around vehicles or near fixed sites equipped with the product is susceptible to the RF energy emitted by the mobile radio antenna, and if any measures need to be implemented to eliminate or mitigate the potential for EMI between the product transmitter and the electronic equipment.

## Vehicles

To avoid possible interference between the product transmitter and any vehicle electronic control modules, such as ABS, engine, or transmission control modules, your product should be installed only by an experienced installer, using the following precautions when installing the product:

- 1 Refer to the manufacturer instructions or other technical bulletins for recommendations on product installation.

- 2 Before installing, determine the location of the vehicle electronic control modules and their harnesses within the vehicle.
- 3 Route all wiring, including the antenna cable, as far away as possible from the electronic control units and associated harnesses.

## Operational Warnings

The following explains the operational warnings:

### For Vehicle With Air Bags



#### Warning:

- Refer to vehicle manufacturer's manual prior to installation of electronic equipment to avoid interference with air bag wiring.
- DO NOT mount or place the product in the area over an air bag or in the air bag deployment area. Air bags inflate with great force. If the product is placed in the air bag deployment area and the air bag inflates, the product may be propelled with great force and cause serious injury to occupants of the vehicle.

### Potentially Explosive Atmospheres



#### Warning:

- Use of a product that is not intrinsically safe in a potentially explosive atmosphere could result in a serious injury or death. You should only use a certified Intrinsically Safe products in potentially explosive atmospheres.
- Explosive atmospheres refer to hazard classified locations that may contain hazardous gas, vapors, dusts, such as fueling areas below decks on boats, fuel or chemical transfer storage facilities, and areas where the air contains chemicals or particles such as grain, dust or metal powders. Areas with potentially explosive atmospheres are often, but not always, posted.
- Turn off your product prior to entering any area with a potentially explosive atmosphere unless it is a radio type specifically certified for use in hazardous location areas.
- DO NOT remove, install, or charge batteries in such areas, or remove or install antennas. Sparks in a potentially explosive atmosphere can cause an explosion or fire resulting in bodily injury or even death.

## Blasting Caps and Blasting Areas



**Warning:** To avoid possible interference with blasting operations, turn off your product when you are near electrical blasting caps, in a blasting area, or in areas posted: "Turn off two-way radio." Obey all signs and instructions.

## Batteries

If your product is equipped with a primary or backup battery, you must follow these instructions:

- Charge your battery using the approved Motorola Solutions charger.
- Use the battery in accordance with its water and/or dust Ingress Protection (IP) rating.
- Do not discard your battery into a fire.
- Do not replace the battery in any area labeled "Hazardous Atmosphere".
- Do not disassemble, crush, puncture, shred, or otherwise attempt to change the form of your battery.
- Do not dry a wet or damp battery with an appliance or heat source, such as a hair dryer or microwave oven.
- Do not allow conductive material such as jewelry, keys, or beaded chains to touch exposed battery terminals.
- Do not dispose of batteries with household waste.

## European Union(EU) Waste of Electrical and Electronic Equipment (WEEE) Directive



The European Union's WEEE directive requires that products sold into EU countries must have the crossed out trash bin label on the product (or the package in some cases). As defined by the WEEE directive, this cross-out trash bin label means that customers and end-users in EU countries should not dispose of electronic and electrical equipment or accessories in household waste. Customers or end-users in EU countries should contact their local equipment supplier representative or service centre for information about the waste collection system in their country.



<b>hu-HU</b>	Járművekre vagy helyhez kötött rádióállomásokként telepített mobil kétirányú rádiókra vonatkozó rádiófrekvenciásenergia-kibocsátási képzés és termékbiztonsági információk
<b>mt-MT</b>	Taħriġ dwar l-Esponiment għall-Enerġija RF u Informazzjoni dwar is-Sigurtà tal-Prodott għal Radji Mobbli Bidirezjonali installati f'Vetturi jew bhala Stazzjonijiet ta' Kontroll f'Sit Fiss
<b>nl-NL</b>	Cursus over blootstelling aan radiogolven en productveiligheidsinformatie voor draagbare portofoons geïnstalleerd in voertuigen of op vaste locatie
<b>nb-NO</b>	Informasjon om opplæring og produktsikkerhet for RF-energieksponering for mobile toveis radioer installert i kjøretøyer eller som faste kontrollstasjoner
<b>pl-PL</b>	Szkolenie na temat oddziaływania energii fal radiowych i informacje dotyczące bezpieczeństwa produktu dla radiotelefonów przenośnych zainstalowanych w pojazdach lub jako stałe stacje kontroli
<b>pt-PT</b>	Informações acerca de formação sobre a exposição a energia de RF e informações de segurança do produto para rádios bidirecionais móveis instalados em veículos ou como estações de controlo fixas locais
<b>ru-RU</b>	Сведения по обучению, безопасности и воздействию излучаемой радиочастотной энергии для мобильных приемопередающих радиостанций для установки в автомобилях или в качестве стационарных управляющих станций.
<b>ro-RO</b>	Instruire pentru expunerea la energia de radiofrecvență (RF) și informații privind siguranța la funcționare pentru stații radio mobile de emisie-recepție instalate în vehicule sau ca stații de control cu locație fixă
<b>sk-SK</b>	Odborná príprava k vystaveniu RF energii a informácie o bezpečnosti produktu pre mobilné dvojsmerné vysielачky nainštalované vo vozidlách alebo ako stacionárne kontrolné stanice
<b>sl-SL</b>	Usposabljanje glede izpostavljenosti radiofrekvenčni energiji in varnostne informacije o izdelku za prenosne radijske postaje, nameščene v vozilih ali na stalnih nadzornih mestih
<b>fi-FI</b>	Kannettavat kaksisuuntaiset radiopuhelimet, jotka on asennettu ajoneuvoihin tai kiinteisiin hallintaa-asemiin: radiotaajuusenergialle altistumista koskeva koulutus ja tuoteturvallisuustiedot
<b>sv-SE</b>	Utbildning om exponering för RF-energi och produktsäkerhetsinformation för mobila tvåvägsradioenheter som är installerade i fordon eller som stationära kontrollstationer
<b>tr-TR</b>	Araçlarda veya Sabit Saha Kontrol İstasyonları Olarak Kurulan Mobil Çift Yönlü Telsizler için RF Enerjisine Maruz Kalma Eğitim ve Ürün Güvenliği Bilgileri
<b>uk-UA</b>	Відомості про вплив РЧ-енергії та заходи безпеки під час використання мобільних радіопристроїв двостороннього зв'язку, що встановлені в транспортних засобах або як стаціонарні пункти керування

معلومات أمان المنتج والتدريب على التعرض لطاقة الترددات اللاسلكية لأجهزة راديو السيارة ثنائية الاتجاه المركبة في السيارات أو المستخدمة كمحطات تحكم في مواقع ثابتة

ar-EG

MOTOROLA, MOTO, MOTOROLA SOLUTIONS and the Stylized M logo are trademarks or registered trademarks of Motorola Trademark Holdings, LLC and are used under license. All other trademarks are the property of their respective owners.  
© 2018 Motorola Solutions, Inc. All rights reserved.



MN004605A01-AA



Printed in