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Health and Safety Recommendations

Ergonomic Recommendations

Caution: In order to avoid or minimize the potential risk of ergonomic injury follow the recommendations below. Consult with your local Health & Safety Manager to ensure that you are adhering to your company's safety programs to prevent employee injury.

- · Reduce or eliminate repetitive motion Maintain a natural position
- Reduce or eliminate excessive force

- Keep objects that are used frequently within easy reach
- Perform tasks at correct heights
- Reduce or eliminate vibration Reduce or eliminate direct pressure
- Provide adjustable workstations
- Provide adequate clearance
- Provide a suitable working environment
- · Improve work procedures.

Regulatory Information

This device is approved under Motorola Solutions, Inc.

This guide applies to the following Model Numbers: MK3100, MK3190

All wireless information only applies to MK3190.

All Motorola devices are designed to be compliant with rules and regulations in locations they are sold and will be labeled as required

Local language translations are available at the following website:

http://www.motorolasolutions.com/support Any changes or modifications to Motorola equipment, not expressly approved by Motorola, could void the user's authority to operate the equipment

Only use Motorola approved and UL Listed accessories.

Declared maximum operating temperature: 40°C.

Radio Modules

The device contains an approved radio module. The module is identified below Motorola 21-148603-0B RLAN & BT

Wireless Device Country Approvals

Operation of the device without regulatory approval is illegal.

Regulatory markings, subject to certification, are applied to the device signifying the radio(s) is/are approved for use in the following countries: United States, Canada, Japan, China, S. Korea, Australia, and Europe

Please refer to the Declaration of Conformity (DoC) for details of other country markings. This is available at http://www.motorola.co

Note¹: For 2.4GHz or 5GHz Products: Europe includes, Austria, Belgium, Bulgaria, Czech Republic, Cyprus, Denmark, Estonia, Finland, France, Germany, Greece, Hundary Iceland Ireland Italy Latvia Liechtenstein Lithuania Luxembourg Malta Netherlands, Norway, Poland, Portugal, Romania, Slovak Republic, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

Country Roaming

This device incorporates the International Roaming feature (IEEE802.11d) which will ensure the product operates on the correct channels for the particular country of use.

Ad-Hoc Operation (5 GHz band)

Ad-Hoc operation is limited to Channels 36-48 (5150-5250 MHz). Use of this band is restricted to Indoor Use Only, any other use will make the operation of this device illegal.

Frequency of Operation - FCC and IC

5 GHz Only

The use in the UNII (Unlicensed National Information Infrastructure) band 1 (5150-5250 MHz) is restricted to Indoor Use Only; any other use will make the operation of this device illegal

Industry Canada Statement:

Caution: The device for the band 5150-5250 MHz is only for indoor usage to reduce potential for harmful interference to co-Channel mobile satellite systems. High power radars are allocated as primary users (meaning they have priority) of 5250-5350 MHz and 5650-5850 MHz and these radars could cause interference and/or damage to LE-LAN devices.

Avertissement: Le dispositive fonctionnant dans la bande 5150-5250 MHz est réservé uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux

Les utilisateurs de radars de haute puissance sont désignés utilisateurs principaux (c.-à-d., qu'ils ont la priorité) pour les bands 5250-5350 MHz et 5650-5850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-FL

2.4 GHz Only

The available channels for 802.11 b/g operation in the US are Channels 1 to 11. The range of channels is limited by firmware



Please observe all warning notices with regard to the usage of wireless devices. Potentially Hazardous Atmospheres - Vehicles Use

You are reminded of the need to observe restrictions on the use of radio devices in fuel depots, chemical plants etc. and areas where the air contains chemicals or particles (such as grain, dust, or metal powders) and any other area where you would normally be advised to turn off your vehicle engine.

Potentially Hazardous Atmospheres - Fixed Installations

You are reminded of the need to observe restrictions on the use of radio devices in fuel depots, chemical plants etc. and areas where the air contains chemicals or particles (such as grain, dust, or metal powders).

Safety in Aircraft

Switch off your wireless device whenever you are instructed to do so by airport or airline staff. If your device offers a 'flight mode' or similar feature, consult airline staff as to its use in flight

Safety in Hospitals

Wireless devices transmit radio frequency energy and may affect medical electrical equinment

Wireless devices should be switched off wherever you are requested to do so in hospitals, clinics or healthcare facilities. These requests are designed to prevent possible interference with sensitive medical equipment.

Pacemakers

Pacemaker manufacturers recommended that a minimum of 15cm (6 inches) be maintained between a handheld wireless device and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with independent research and recommendations by Wireless Technology Research

Persons with pacemakers:

- when turned ON. Should not carry the device in a breast pocket
- · Should use the ear furthest from the pacemaker to minimise the potential for
- · If you have any reason to suspect that interference is taking place, turn OFF your device

· Should ALWAYS keep the device more than 15cm (6 inches) from their pacemaker

Other Medical Devices

Please consult your physician or the manufacturer of the medical device, to determine if the operation of your wireless product may interfere with the medical device.



Safety Information

Reducing RF Exposure - Use Properly Only operate the device in accordance with the instructions supplied.

International

The device complies with internationally recognized standards covering human exposure to electromagnetic fields from radio devices. For information on "International" human exposure to electromagnetic fields refer to the Motorola Declaration of

Conformity (DoC) at http://www.r Europe

persons

To satisfy EU RF exposure requirements, a mobile transmitting device must operate with a minimum separation distance of 20 cm or more from a person's body. Co-located statement

To comply with FCC RF exposure compliance requirement, the antenna used for this

transmitter must not be co-located or operating in conjunction with any other transmitter/ antenna except those already approved in this filling. Remote and Standalone Antenna Configurations

To comply with FCC RF exposure requirements, antennas that are mounted externally at remote locations or operating near users at stand-alone desktop of similar configurations must operate with a minimum separation distance of 20 cm from all

LED Devices

Invisible and Visible LED Light, Class 1 LED Product

COMPLIES WITH IEC 60825-1:2001 (Ed.1.2) & IEC 62471:2006 (Ed.1.0); EN 62471-2008

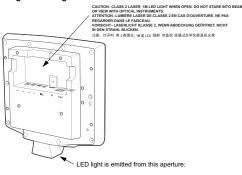
LED LIGHT DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS CLASS 1M LED PRODUCT.

LED LICHT SEHEN SIE NICHT DIREKT MIT OPTISCHEN INSTRUMENTEN BETRACHTEN LED CLASSE 1M.

LUMIERE LED - NE PAS REGARDER DIRECTEMENT AVEC LES INSTRUMENTS OPTIQUES. APPAREIL A LED DE CLASSE 1M

LED 辐射 勿 通过光学仪器直视光束 1M 类 LED 产品

Imager Labeling



Power Supply

This device must be powered from an 802 3af or 802 3at compliant power source which has been certified by the appropriate agencies, or by a LISTED Motorola, Type no. PWRS-14000 (12Vdc, 4.16A) direct plug-in power supply, marked Class 2 or LPS (IEC60950-1, SELV). Use of alternative Power Supply will invalidate any approvals given to this unit and may be dangerous.

Radio Frequency Interference Requirements-FCC



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

Radio Transmitters (Part 15)

Notched Band 5.60 - 5.65 GHz

undesired operation

- 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. This device complies with Part 15 of the FCC Rules. Operation is subject to the

The use of 5 GHz WLAN's, for use in the U.S., has the following restrictions:

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

Radio Frequency Interference Requirements - Canada

This Class B digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Radio Transmitters

For RLAN Devices: The use of 5 GHz RLAN's, for use in Canada, have the following restrictions:

 Restricted Band 5.60 - 5.65 GHz
 This device complies with RSS 210 of Industry & Science Canada. 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.

Ce dispositif est conforme à la norme CNR-210 d'Industrie Canada applicable aux appareils radio exempts de licence. Son fonctionnement est sujet aux deux conditions suivantes: (1) le dispositif ne doit pas produire de brouillage préjudicibile, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

Label Marking: The Term "IC:" before the radio certification only signifies that Industry Canada technical specifications were met.

CE Marking and European Economic Area (EEA) The use of 2.4GHz RLAN's, for use through the EEA, have the following restrictions:

Maximum radiated transmit power of 100 mW EIRP in the frequency range 2.400 -

- 2.4835 GHz
 France, outside usage is restricted to 2.4 2.454 GHz.
- France, outside usage is restricted to 2.4 2.454 GHz.
 Italy requires a user license for outside usage.

Statement of Compliance for MK3190

Motorola/Symbol hereby declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. A Declaration of Conformity may be obtained from http://www.motorola.com/doc

Statement of Compliance for MK3100

Motorola/Symbol hereby declares that this device is in compliance with all the applicable Directives, 2004/108/EC and 2006/95/EC. A Declaration of Conformity may be obtained from http://www.motorola.com/doc

Japan (VCCI) - Voluntary Control Council for Interference Class B ITE

この装置は、情報処理装置等電波障害自主規制協議会(VCCI) の基準に基づくクラスB情報技術装置です。この装置は、 家庭環境で使用することを目的としていますが、 この装置がラジオやテレビジョン受信機に近接して使用されると、 受信障害を引き起こすことがあります。 取扱説明書に従って正しい取り扱いをして下さい。

Korea Warning Statement for Class B ITE

기 종 별	사용자안내문
B급 기기	이 기기는 가정용(B급) 전자파적합기기로서 주로
(가정용 방송통신기자재)	가정에서 사용하는 것을 목적으로 하며, 모든
	지역에서 사용할 수 있습니다.

Other Countries

Ukraine

This equipment corresponds to requirements of the Technical Regulation No. 1057, 2008 on restrictions as to the use of some dangerous substances in electric and electronic devices.

Australia

Use of 5GHz RLAN's in Australia is restricted in the following band 5.50 - 5.65GHz. Brazil

Regulatory declarations for MK3190 - BRAZIL

Declarações Regulamentares para MK3190 - BRAZIL Nota: "A marca de certificação se aplica ao Transceptor, modelo MK3190. Este equipamento opera em caráter secundário, isto é, não tem direito a proteção contra

sequiparticrito operationi cancer secondario, ser nare crimo con cancer a produce or una interferência projudicial, mesmo de estacioses do mesmo libo, e não pode causar interferência a sistemas operando em caráter primário." Para majores informações sobre ANATEL consulte o site: www.anatel.gov.br

Chile

"Este equipo cumple con la Resolución No 403 de 2008, de la Subsecretaria de telecomunicaciones, relativa a radiaciones electromagnéticas.".



Restrict Frequency Range to: 2.450 - 2.4835 GHz

S. Korea

For a radio equipment using 2400~2483.5MHz or 5725~5825MHz, the following two expressions should be displayed.

당해 무선설비는 운용 중 전파혼신 가능성이 있음 당해 무선설비 는전파흔 신 가능성이 있으므로 인명안전과 관련된 서비스는 할 수 없습니다.

Taiwan

Mexico

臺灣 低功率電波輻射性電機管理辦法

第十二條

經型式認證合格之低功率射頻電機,非經許可,公司、 商號或使用者均不得擅自變更頻率、加大功率或變更原設計之 特性及功能。

第十四條

第一回歸 低功率射頻電機之使用不得影響飛航安全及干擾合法通信: 經發現有干擾現象時,應立即停用,並改善至無干擾時方得繼續使用。 前項合法通信,指依電信規定作業之無線電通信。 低功率射頻電機須忍受合法通信或工業、 科學及醫療用電波輻射性電機設備之干擾。 在 5.25-5.35 秘赫頻帶內操作之無線資訊傳輸設備,限於室內使用。

Waste Electrical and Electronic Equipment (WEEE)

English: For EU Customers: All products at the end of their life must be returned to Motorola for recycling. For information on how to return product, please go to: http://www.motorola.com/recycling/weee

Български: За кличенти от ЕС: След краз на полезния им кивот всички продукти трябва да се връщат на Motorola за рециклиране. За информация относно връщането на продукти, моля отидете на адрес: http://www.motorola.com/recycling/weee.

Ceštima: Pro zákazniky z EU: Všechny produkty je nutné po skončení jejich životnosti vrátit společnosti Symbol k recyklaci, informace o způsobu vrácení produktu najdete na webové stránce: http://www.motorola.com/recycling/weee.

Dansk: Til kunder i EU: Alle produkter skal returneres til Motorola til recirkulering, når de er udtjent. Læs oplysningerne om returnering af produkter på: http://www.motorola.com/recycling/wee.

Deutsch: Für Kunden innerhalb der EU: Alle Produkte müssen am Ende ihrer Lebensdauer zum Recycling an Motorola zurückgesandt werden. Informationen zur Rücksendung von Produkten finden Sie unter http://www.motorola.com/recyclina/weee.

Eesti: EL klientidele: kõik tooted tuleb nende eluea lõppedes tagastada taaskasutamise eesmärgii Motorola/ile. Lisainformatsiooni saamiseks toote tagastamise kohta külastage palun aadressi: http://www.motorola.com/recycling/weee.

Español: Para clientes en la Unión Europea: todos los productos deberán entregarse a Motorola al final de su ciclo de vida para que sean reciclados. Si desea más información sobre cómo devolver un producto, visite: http://www.motorola.com/recycling/weee.

Ελληνικά Για πελάτες στην Ε.Ε.: Όλα τα προίοντα, στο τέλος της διάρκειας ζωής τους, πράτες, να επιστρόφονται στην Μοίοιού για ανακιλοκικής πους. Για περισσότερες πληροφορίες σχετικά με την επιστροφή ενός προίζοντος, επισκέφθειτε τη διεύθυνση hit://www.motorola.com/recycling/wese στο αλαδίκτυο.

Français : Clients de l'Union Européenne : Tous les produits en fin de cycle de vie doivent être retournés à Motorola pour recyclage. Pour de plus amples informations sur le retour de produits, consultez : http://www.motorola.com/recycling/weee.

Italiano: per i clienti dell'UE: tutti i prodotti che sono giunti al termine del rispettivo ciclo di vita devono essere restituiti a Motorola al fine di consentime il riciclaggio. Per informazioni sulle modalità di restituzione, visitare il seguente sito Web: http://www.motorola.com/recycling/weee.

Latviešu: ES klientiem: visi produkti pēc to kalpošanas mūža beigām ir jānogādā atpakaļ Motorola ottreizējai pārstrādei. Lai iegūtu informāciju par produktu nogādāšanu Motorola. Iudzu, skaite: http://www.motorola.com/recycling/weee. Lietuvių: ES vartotojams: visi gaminiai, pasibaigus jų eksploatacijos laikui, turi būti grąžinti utilizuoti į kompaniją "Motorola". Daugiau informacijos, kaip grąžinti gaminį, rasite: http://www.motorola.com/recycling/weee.

Magyar: Az EU-ban vásárlóknak: Minden tönkrement terméket a Motorola vállalathoz kell eljuttalni újrahasznosítás céljából. A termék visszajuttatásának módjával kapcsolatos tudnivalókért látogasson el a http://www.motorola.com/recycling/weee weboldalra.

Malti: Ghal klijenti fl-UE: il-prodotti kollha li jkunu waslu fl-ahhar tal-hajja ta' l-użu taghhom, iridu jigu rritornati ghand Motorola ghar-ričiklago. Ghal aktar taghrif dwar ki' ghandek tirritorna l-prodott, iekk joghgbok zu: http://www.motorola.com/recycling/weee.

Nederlands: Voor klanten in de EU: alle producten dienen aan het einde van hun levensduur naar Motorola te worden teruggezonden voor recycling. Raadpleeg http://www.motorola.com/recycling/weee voor meer informatie over het terugzenden van producten.

Polski: Klienci z obszaru Unii Europejskiej: Produkty wycofane z eksploatacji należy zwrócić do firmy Motorola w oelu ch utyltzacji. Informacje na temat zwrotu produktów znajdują się na stronie internetowej http://www.motorola.com/recycling/weee.

Português: Para clientes da UE: todos os produtos no fim de vida devem ser devolvidos à Motorola para reciclagem. Para obter informações sobre como devolver o produto, visite: http://www.motorola.com/recycling/weee.

Românesc: Pentru clienții din UE: Toate produsele, la sfârșitul duratei lor de funcționare, trebuie returnate la Motorola pentru reciclare. Pentru informații despre returnarea produsului, accesați: http://www.motorola.com/recycling/weee.

Slovenski: Za kupce v EU: vsi izdelki se morajo po poteku življenjske dobe vrniti podjetju Motorola za reciklažo. Za informacije o vračilu izdelka obiščite: http://www.motorola.com/recycling/weee.

Suomi: Asiakkaat Euroopan unionin alueella: Kaikki tuotteet on palautettava kierrätettäväks Motorola-yhtiöön, kun tuotetta ei enää käytetä. Lisätietoja tuotteen palauttamisesta on osoitteessa http://www.motorola.com/recycling/weee.

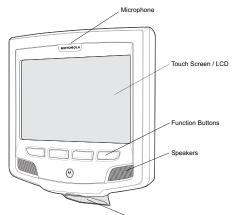
Svenska: För kunder inom EU: Alla produkter som uppnått sin livslängd måste returneras till Motorola för återvinning. Information om hur du returnerar produkten finns på http://www.motorola.com/recycling/weee.

Türkçe: AB Müşterileri için: Kullanım süresi dolan tüm ürünler geri dönüştürme için Motorola'ya iade edilmelidir. Örünlerin nasıl iade edileceği hakkında bilgi için lütferi şu adresi ziyaret edir: http://www.motorola.com/recylingi/weee EEE Yonemeligine Uygundur

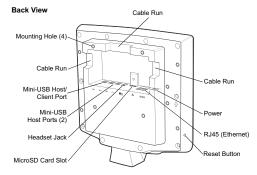
Unpacking

Remove the MK3100/3190 from its packing and inspect it for damage. Keep the packing, it is the approved shipping container and should be used if the device needs to be returned for servicing.

MK3100/3190 Parts



Scanner Window

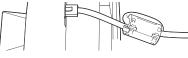


Ferrite Core Placement

You must place a ferrite core (Motorola p/n $34.10 \mbox{P16.001}$) on the Ethernet cable as follows:

1. Open the ferrite core and place it on the cable

2. Route the cable outside the ferrite core once and then close the ferrite core.



Note:

- · Supports standard 10/100Mbps Ethernet network
- · Use Motorola approved Mini-USB cable (optional).

Mounting

Use a standard VESA mount to mount the device:

- Select a VESA mount that conforms to the 100 mm VESA specification.
 The device's mounting inserts are M4 x 8.1 mm. When selecting an appropriate screw type, ensure its length does not penetrate the device's back housing more than 8.1 mm after opion through the mounting plate.
- Align the VESA mounting holes with the mounting holes on the back of the device.
- 4. Insert the screws through each of the four aligned mounting holes.

Service Information

If you have a problem using the equipment, contact your facility's technical or systems support. If there is a problem with the equipment, they will contact the Motorola Solutions Global Customer Support Center at: http://www.motorolasolutions.com/support.

For the latest version of this guide go to: http://www.motorolasolutions.com/support

Warranty

For the complete Motorola hardware product warranty statement, go to: http://www.motorola.com/enterprisemobility/warranty

For Australia Only:

This warranty is given by Motorola Solutions Australia Pty Limited (ABN16 004 742 312) of Tally Ho Business Park, 10 Wesley Court. Burwood East, Victoria. Our goods come with guarantees that cannot be excluded under the Australia Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. Motorola Solutions Australia's limited warranty above is in addition to any rights and remedies you may have under the Australian Consumer Law. If you have any queries, please call Motorola Solutions Australia at 1800 457 439. You may also visit our website:

http://www.motorola.com/Business/XA-EN/Pages/Contact_Us for the most updated warranty terms.