

TM2000

Regulatory Guide



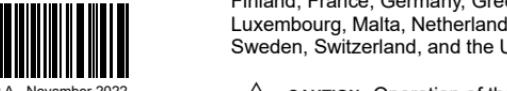
ZEBRA

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Regulatory Information

This device is approved under Zebra Technologies Corporation.

This guide applies to Model Number: TM2000.

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

Local language translations are available at the following website:
www.zebra.com/support.

Any changes or modifications to Zebra equipment not expressly approved by Zebra could void the user's authority to operate the equipment.

CAUTION Declared maximum operating temperature: 50°C.

CAUTION Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Zebra devices are professionally installed — the Radio Frequency Output Power will not exceed the maximum allowable limit for the country of operation.

Antennas: Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could cause damage and may violate regulations.

Wireless Device Country Approvals

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

Please refer to the Declaration of Conformity (DoC) for details of other country markings. This is available at: www.zebra.com/support.

Note: Europe includes Austria, Belgium, Bulgaria, Croatia, Czech Republic, Cyprus, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovak Republic, Slovenia, Spain, Sweden, Switzerland, and the United Kingdom.

CAUTION Operation of the device without regulatory approval is illegal.

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 (2.4 GHz band)

Ad-Hoc operation is limited to Channels 1-11 (2412-2462 MHz).

Frequency of Operation - FCC & ISED

5 GHz Only

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 dispositif 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-EL.

2.4 GHz Only

NOTE Only applicable for Devices where the channels are limited to 1-11 for the USA.

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

WARNING! FCC RF Exposure: This device should be installed and operated with minimum distance 20 cm between the radiator and your body.

WARNING! IC RF Exposure: This device should be installed and operated with minimum distance 20 cm between the radiator and your body.

Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

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 exposure to electromagnetic fields, refer to the Zebra Declaration of Conformity (DoC) at www.zebra.com/doc.

For further information on the safety of RF energy from wireless devices, go to www.zebra.com/corporateresponsibility located under Wireless Communications and Health.

Health and Safety Recommendations

Europe

Remote and Standalone Antenna Configurations

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

Pacemakers

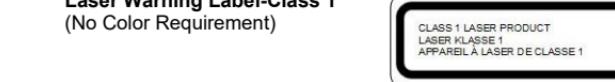
Pacemaker manufacturers recommended that a minimum of 15 cm (6 inches) be maintained between a handheld wireless device and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with independent research and recommendations by Wireless Technology Research.

Persons with Pacemakers:

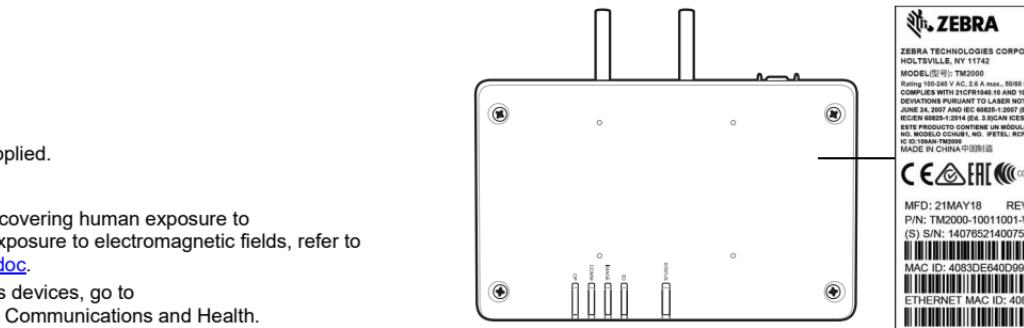
Should ALWAYS keep the device more than 15cm (6 inches) from their pacemaker when turned ON. Should not carry the device in a breast pocket. Should use the ear furthest from the pacemaker to minimize the potential for interference. If you have any reason to suspect that interference is taking place, turn OFF your device.

Laser Devices

Class 1 Laser devices are not considered to be hazardous when used for their intended purpose.
Laser Warning Label-Class 1
(No Color Requirement)



Scanner Labeling



Label reads: Complies with 21 CFR1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007 and IEC 60825-1:2007 (Ed. 2.0) and/or IEC/EN 60825-1:2014 (Ed. 3.0) CAN ICES-3 (A) /NMB-3 (A).

Radio Frequency Interference Requirements - FCC

 **NOTE** This equipment has been tested and found to comply with the limits for a Class A digital device pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Radio Transmitters (Part 15)

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.

Radio Frequency Interference Requirements - Canada

Innovation, Science and Economic Development Canada ICES-003 Compliance Label: CAN ICES-3 (A)/NMB-3(A).

Radio Transmitters

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.

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, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radio électrique subi même si le brouillage est susceptible d'en compromettre le fonctionnement.

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

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

Etiquette de marquage: Le terme "IC" avant la certification radio signifie que le produit est compatible avec le spécification Industrie Canada.

CE Marking and European Economic Area (EEA)

 **WARNING!** This equipment is compliant with Class A of EN55032. In a residential environment this equipment may cause radio interference.

Statement of Compliance

Zebra hereby declares that this device is in compliance with all applicable Directives 2014/53/EU and 2011/65/EU. The full text of the EU Declaration of Conformity is available at the following internet address: www.zebra.com/doc.

RLAN operating frequency range: 2400MHz-2483.5MHz, Max. RF power 16.5dBm.

5.15 - 5.35 GHz is restricted to indoor use only.

Other Countries

Brazil

Declarações Regulamentares para TM2000 - Brasil

Nota: A marca de certificação se aplica ao Transceptor, mod TM2000. Este equipamento não tem direito à proteção contra interferência prejudicial e não pode causar interferência em Sistemas devidamente autorizados.

Para maiores informações sobre ANATEL consulte o site: www.anatel.gov.br.

Regulatory declarations for TM2000 - BRAZIL

Note: The certification mark applied to the TM2000 is for Restrict Radiation Equipment. This equipment has no right to protection against harmful interference and cannot cause interference in duly authorized systems.

For more information, consult the website www.anatel.gov.br.

Eurasian Customs Union

Евразийский Таможенный Союз

Данный продукт соответствует требованиям знака EAC.



Mexico

La operación de este equipo está sujeta a las siguientes dos condiciones: (1) es posible que este equipo o dispositivo no cause interferencia perjudicial y (2) este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada.

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

Czechia: Pro zákazníky z EU: Všechny produkty je nutné po skončení jejich životnosti vrátit společnosti Zebra k recyklaci.

Informace o způsobu vrácení produktu najdete na webové stránce: www.zebra.com/weee.

Dansk: Til kunder i EU: Alle produkter skal returneres til Zebra til recirkulering, når de er udvjet. Læs oplysningerne om returnering af produkter på: www.zebra.com/weee.

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

Taiwan (Taiwan)

Latviešu

ES klientiem: visi produkti pēc to kalpošanas mūža beigām ir jānogādā atpakaļ Zebra otreižējai pārstrādei. Lai iegūtu informāciju par produktu nogādāšanu Zebra, lūdzu, skatiet: www.zebra.com/weee.

Lietuviai: ES vartotojams: visi gaminiai, pasibaigus jų eksploatacijos laikui, turi būti grąžinti utilizuoti į kompaniją „Zebra“.

Daugiau informacijos, kaip grąžinti gaminį, rasite: www.zebra.com/weee.

Magyar: Az EU-ban vásárolóknak: minden tökrement termékkel a Zebra vállalathoz kell eljuttatni újrahasznosítás céljából. A termék visszajuttatásának módjával kapcsolatos tudnivalókért látogasson el a www.zebra.com/weee weboldalra.

Malta: Ghali klijenti fl-UE: il-prodotti kollha li jkunu waslu fl-ahhar tal-hajja ta' l-uzu tagħhom, iridu jiġu riżornati għand Zebra għar-riċċiak. Ghali aktar tagħrif dwar kif jogħibok sur: www.zebra.com/weee.

Nedēland: Voor klanten in de EU: alle producten dienen aan het einde van hun levensduur naar Zebra te worden teruggestuend voor recycling. Raadpleeg www.zebra.com/weee voor meer informatie over het teruggzendende van producten.

Polski: Klienci z obszaru Unii Europejskiej: Produkty wyciągnięte z eksploatacji należy wrócić do firmy Zebra w celu ich utylizacji.

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

Turkish WEEE Statement of Compliance

Romanesc: Pentru clientii din UE: Toate produsele, la sfârșitul duratei lor de funcționare, trebuie returnate la Zebra pentru reciclare. Pentru informații despre returnarea produsului, accesați: www.zebra.com/weee.

Slovenčina: Pre zákazníkov z krajín EU: Všetky výrobky musia byť po uplynutí doby ich životnosti vrátené spoločnosti Zebrá na recykláciu. Blížsie informácie o vrátení výrobkov nájdete na: www.zebra.com/weee.

Slovenská: Za kupcev v EU: vši izdelki se morajo po poteku življenjske dobe vrniti podjetju Zebra za reciklažo. Za informacie o vrátili izdelka obiščite: www.zebra.com/weee.

Suomi: Asiakkaita Euroopan unionin alueella: Kaikki tuotteet on palautettava kierrätettäväksi Zebra-yhtiöön, kun tuotetta ei enää käytetä. Lisätietoja tuotteen palauttamisesta on osoitteessa www.zebra.com/weee.

Svenska: För kunder inom EU: Alla produkter som uppnått sin livslängd måste returneras till Zebra för återvinning.

Information om hur du returnerar produkten finns på www.zebra.com/weee.

Türkçe: AB Müşterileri için: Kullanım süresi dolan tüm ürünler geri dönüştürme için Zebra'ya iade edilmelidir. Ürünlerin nasıl iade edileceğini hakkında bilgi için lütfen şu adresi ziyaret edin: www.zebra.com/weee.

Ελληνικά: Για πελάτες στην Ε.Ε.: Όλα τα προϊόντα, στο τέλος της διάρκειας ζωής τους, πρέπει να επιστρέφονται στην Ζέβρα για ανακύκλωση. Για περισσότερες πληροφορίες σχετικά με την επιστροφή ενός προϊόντος, επισκεφθείτε τη διεύθυνση www.zebra.com/weee στο Διαδίκτυο.

Български: За клиенти от ЕС: След края на полезния им живот всички продукти трябва да се връщат на Зебра за рециклиране. За информация относно връщането на продукти, моля отидете на адрес: www.zebra.com/weee.

Patent Information

To view Zebra patents, go to ip.zebra.com.

China RoHS



部件名称 (Parts)	有害物质				
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)
金属部件 (Metal Parts)	X	O	O	O	O
电路模块 (Circuit Modules)	X	O	O	O	O
电缆及电缆组件 (Cables and Cable Assemblies)	O	O	O	O	O
塑料和聚合物部件 (Plastic and Polymeric Parts)	O	O	O	O	O
光学和光学组件 (Optics and Optical Components)	X	O	O	O	O
电池 (Batteries)	O	O	O	O	O

本表格依据SJ/T 11364 的规定编制。

O: 表示该有害物质在该部件所有均质材料中的含量均在 SJ/T 11364--2014 规定的限量要求以下。

X: 表示该有害物质至少在该部件的某一均质材料中的含量超出 SJ/T 11364--2014 规定的限量要求。(企业可在此处, 根据实际情况对上表中打“x”的技术原因进行进一步说明。)

This table was created to comply with China RoHS requirements.



HHHH-AA-FFFF



Waste Electrical and Electronic Equipment (WEEE)

EE