

Ericsson W3x Series

Mobile Broadband Router for WCDMA/HSPA
Mobile Networks

Safety and Regulatory Information




Mobile
Broadband

ERICSSON 

Ericsson W3x Series

Mobile Broadband Router for WCDMA/HSPA Mobile Networks

Safety and Regulatory Information

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1 Safety Information

Note: Read this information before using your Ericsson Mobile Broadband Router (MBR) W30/W35 for safe and efficient use.

1.1 Product Care and Safety

Your Ericsson W30/W35 is a highly sophisticated electronic device. To get the most out of it, be sure to read the following text about product care, safety and efficient use.

Treat your product with care, keep it in a clean and dust free place.

Do not expose your Ericsson W30/W35 to liquid, moisture or humidity.

Do not expose your Ericsson W30/W35 to extreme high or low temperatures; refer to the topic Environmental Conditions documented on page 7 for more detailed information.

Do not expose your Ericsson W30/W35 to open flames or lit tobacco products.

Do not drop, throw or try to bend the product since rough treatment could damage it.

Do not use this product near water, for example, near a bathtub, washbowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool.

Avoid using a telephone (other than cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.

Do not use this product near medical equipment.

Do not use this product in an aircraft because this product can transmit signals that could interfere with various onboard systems and may be dangerous to the operation of the aircraft or disrupt the cellular network. The optional battery within the W35 should be removed.

Do not use this product near life support equipment, or any equipment which may be susceptible to any form of radio interference. In such areas this product must be powered off. This product can transmit signal that could interfere with such equipment.

Do not attempt to disassemble you Ericsson W30/W35. A broken warranty seal will void the warranty. The product does not contain consumer serviceable components. Only Certified Service Centers should perform service.

Do not use any accessories other than those approved by Ericsson or approved for use by your service provider. Use of non-original, or non-approved accessories, may result in loss of performance, damage to the product, fire, electric shock or injury and may violate regulations. The warranty does not cover product failures that have been caused by use of non-original or non-approved accessories.

Only Telephone equipment approved in the country where the W35 is used is to be connected.

1.2 Antenna Care

Use only an antenna that has been specially designed and approved for your Ericsson W30/W35. Use of unauthorized antennas, modifications, or attachments could damage the router and may violate the appropriate regulations, causing loss of performance and radio frequency (RF) energy above the recommended limits.

Do not hold or touch the antenna when the Ericsson W30/W35 is in use. Holding or touching the antenna affects call quality.

Do not use the Ericsson W30/W35 if the antenna or antenna cable is damaged or missing.

Do not place the telephone cord or the power supply cord on, or near, the Ericsson W30/W35 antenna or antenna cable.

Do not cover or place an obstruction on, or around, the antenna.

1.3 Radio Wave Exposure Information

The Ericsson W30/W35 is a low-power radio transmitter and receiver. During use, it emits low levels of radio frequency energy (also known as radio waves or radio frequency fields).

Governments around the world have adopted comprehensive international safety guidelines, developed by scientific organizations, e.g. ICNIRP (International Commission on Non-Ionizing Radiation Protection) and IEEE (The Institute of Electrical and Electronics Engineers Inc.) through periodic and thorough evaluation of scientific studies.

These guidelines establish permitted levels of radio wave exposure for the general population. The levels include a safety margin designed to assure the safety of all persons, regardless of age and health, and to account for any variations in measurements.

Specific Absorption Rate (SAR) is the unit of measurement for the amount of radio frequency energy absorbed by the body. The SAR level for this product was determined at the highest certified level in laboratory conditions using a measurement standard published by the European Committee for Electrotechnical Standardization (CENELEC).

With the antenna solutions recommended by Ericsson, the maximum radio wave exposure is below the limit in the international safety guidelines within a few centimeters from the antenna. Consequently, for recommended placement of the terminal and antenna, the radio wave exposure levels are below the limits.

More information on radio frequency exposure can be found on:

<http://www.ericsson.com/health>

1.4 Personal Medical Devices

Radio waves may affect the operation of cardiac pacemakers and other implanted equipment. If a minimum distance of 15 cm is kept between the antenna and the pacemaker, the risk of interference is limited. If you have any reason to suspect that interference is taking place, immediately move away from the antenna. Contact your cardiologist for more information.

For other medical devices, please consult the manufacturer of the device.

1.5 Potentially Explosive Atmospheres

Do not use your Ericsson W30/W35 in an area where a potentially explosive atmosphere exists.

1.6 Intended Use

This product is designed and approved for private and public use in an indoor location.

The Ericsson W30/W35 is designed for use within the home or office. Any attached cabling must remain internal to the building.

1.7 Power Supply

Ensure that your AC power outlet is adequately grounded, is situated near the Ericsson W30/W35 and easily accessible.

Connect the power supply cord only to the AC power outlet that meets the specifications marked on the Ericsson W30/W35 supply.

Never alter the AC power cord or plug. If necessary have the correct outlet installed by a qualified electrician or call your service provider for assistance.

To reduce risk of damage to the electric cord, remove it from the outlet by holding onto the AC adapter rather than the cord.

Make sure the cord is positioned so that it will not be stepped on, tripped over or otherwise subjected to damage or stress.

1.8 Installation Practices

In locations prone to lightning, installation practices providing protection should be followed.

1.9 Battery (W35 only)

Caution

Risk of explosion if battery is replaced by an incorrect type.

Dispose of used batteries according to the instructions.

1.10 Mains Power Fails

This equipment will remain inoperable when mains power fails unless the optional battery (W35 only) has been installed and is charged.

1.11 Children

Do not allow children to play with your Ericsson W30/W35 since it contains small parts that could become detached and create a choking hazard.

1.12 Moving or Storing

Turn off the Ericsson W30/W35 by disconnecting the power supply as well as the battery (if one is installed).

If you are transporting the Ericsson W30/W35 on an aircraft, you will be asked to remove the battery from the unit.

For updated information about the transportation and use of wireless communication equipment, contact the appropriate local and national regulatory agency or your service provider.

2 Regulatory Information

This device (Ericsson W30/W35) must be installed and used in strict accordance with the manufacturer's instructions that comes with the product. In some situations or environments, the use of wireless devices may be restricted by the proprietor of the building or responsible representatives of the organization. These situations may for example include:

- Using the Wireless equipment in an environment where the risk of interference to other devices or services is perceived or identified as harmful.

If you are uncertain of the policy that applies on the use of wireless equipment in a specific organization or environment you are encouraged to ask for authorization to use this device prior to turning on the equipment. The manufacturer is not responsible for any interference caused by unauthorized modification of the devices included with this kit, or the substitution or attachment of connecting cables, antennas and equipment other than specified by the manufacturer. The correction of interference caused by such unauthorized modification, substitution or attachment will be the responsibility of the user. The manufacturer and its authorized resellers or distributors are not liable for any damage or violation of government regulations, regulatory approvals and misuse of any kind failing to comply with these guidelines.

The Ericsson W30/W35 has regulatory approvals in the following markets/countries:

EU, US, Canada, Australia, New Zealand, Singapore, South Africa and Malaysia.

2.1 Declaration of Conformity

Hereby, Ericsson AB declares that this product is in conformity with the requirements and other relevant provisions of the following European directives for the CE mark:

- 2006/95/EC: Low Voltage Directive (LVD)
- 1999/5/EC, Radio Equipment and Telecommunications Terminal Directive (R&TTE).

Note: Shielded Ethernet cables must be used in order to comply with the emission standards.

2.2 FCC Statement

This device (Ericsson W30/W35) complies with CFR47 Part 15, Part 22 and Part 24 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.

Responsible party in US is:

Ericsson Inc. with address: 6300 Legacy Drive, Plano, TX 75024, U.S.A. and phone no. 972-583-2000.

2.2.1 FCC Part 15 Statement 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. 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.

Note: Shielded Ethernet cables must be used in order to comply with the emission standards.

2.2.2 Caution

To comply with FCC RF exposure compliance requirements when using the roof antenna, a separation distance of at least 20 cm (8 inches) between the equipment and the body must be maintained.

Changes or modification to this product not authorized by the manufacturer could void your authority to operate the equipment and invalidate approvals.

2.3 Canada Statement

This product meets the applicable Industry Canada technical specification.

2.3.1 Canadian ICES-003 Statement

This Class B digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe B est conforme à la norme NMB003 du Canada.

Note: Shielded Ethernet cables must be used in order to comply with the emission standards.

2.4 Wireless Guidance

Wireless devices are closely regulated and some countries have different restrictions. If you are uncertain contact the local Radio approval authorities to check if there are any restrictions of use before you use the equipment.

The wireless device are only qualified for use in the countries identified by the approval marks but notice that you also must follow additional limitations, cautions, concerns if any. Care should be taken to minimize human contact during normal operation. Some circumstances and environment require restrictions on wireless devices.

The table on the next page delineates the IEEE 802.11 channels and their corresponding center frequencies. The information is deemed to be accurate; however local regulatory authorities should be consulted before using such equipment.

Table 1 IEEE 802.11g Channels

Channel Number	Channel Frequency	Geographic Indoor Usage
1	2412 MHz	US, CA, ETSI, SI, AU, NZ, SA, MA
2	2417 MHz	US, CA, ETSI, SI, AU, NZ, SA, MA
3	2422 MHz	US, CA, ETSI, SI, AU, NZ, SA, MA
4	2427 MHz	US, CA, ETSI, SI, AU, NZ, SA, MA
5	2432 MHz	US, CA, ETSI, SI, AU, NZ, SA, MA
6	2437 MHz	US, CA, ETSI, SI, AU, NZ, SA, MA
7	2442 MHz	US, CA, ETSI, SI, AU, NZ, SA, MA
8	2447 MHz	US, CA, ETSI, SI, AU, NZ, SA, MA
9	2452 MHz	US, CA, ETSI, SI, AU, NZ, SA, MA
10	2457 MHz	US, CA, ETSI, SI, AU, NZ, SA, MA
11	2462 MHz	US, CA, ETSI, SI, AU, NZ, SA, MA
12	2467 MHz	ETSI, SI, AU, NZ, SA, MA
13	2472 MHz	ETSI, SI, AU, NZ, SA, MA

US = United States

AU = Australia

CA = Canada

NZ = New Zealand

ETSI = ETSI countries

SA = South Africa

SI = Singapore

MA = Malaysia

Only use the provided approved antennas and correct settings (channels, output power etc.). The transmitter shall not be co-located with other transmitters or antennas.

2.5 Power Supply

AC Input: 100 - 240 VAC; 50-60 Hz 3 pole AC inlet connector (IEC 320 power inlet).

Available plugs: EU, UK, USA and AU.

Note: For use only with approved supplied power adapter. In the event of equipment malfunction, replace only with an AC/DC Adapter specified by Ericsson.

2.6 Environmental Conditions

Maximum environmental values during use:

- Temperature: 0°C to +45°C
- Humidity: 5% to 95% RH, non-condensing.

2.7 WiFi Compliance

The Ericsson W30/W35 has been tested for interoperability with the WiFi standard (the global industry-standard for local wireless networking) and supports all Wi-Fi certified client devices.

2.8 RoHS Compliance

The Ericsson W30/W35 meets the requirements in the European RoHS directive (2002/95EC).

2.9 USB Compliance

The Ericsson W30/W35 meets the requirements in the USB-IF Compliance Program for systems.

2.10 WEEE Directive

Requirements according to WEEE-directive (2002/96/EC)



**Disposal of Old Electrical and Electronic Equipment
(Applicable in the European countries with separate
collection systems).**

This symbol on the product indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment.

By ensuring this product is disposed of correctly, you will prevent potential negative consequences for the environment and human health, which could

otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources.

Ericsson offers take-back and recycling services for products in many locations around the world. The customers are advised to contact the local Ericsson representative for further information.

