

Regulatory Information

The following sections provide information on this product's compliance with government regulations for use.

UHF Radio Usage

NOTICE

Using a UHF radio requires a license. Operating a UHF radio without a license may result in fines or other penalties. Be sure you comply with all local laws before operating a UHF radio. Contact your local authorities (such as, the FCC in the United States) for details.

Surveying in RTK mode has made UHF the most popular choice for communications between Base and Rover receivers. Know the strengths and weaknesses of this technology to get the best use out of your receiver. The quality and strength of the UHF signals translates into range for UHF communications.

1. The system's range will greatly depend on the local conditions. Topography, local communications and even meteorological conditions play a major role in the possible range of RTK communications. If needed, use a scanner to find clear channels.
2. The system's range will increase by adjusting the Base station's antenna using the following methods.
 - Ensure the Base radio has a fully charged battery.
 - Use directional antennas and/or repeaters to increase your system's range. Directional antennas concentrate the signal power within a more narrow direction, significantly increasing the range of your system.
 - Check the TPS accessory line for items to raise the Base radio.

FCC 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, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a digital device, pursuant to Part 15 of the FCC rules. These limits and designed to provide reasonable protection against harmful interference in residential installations. 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 interference to radio or television equipment 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.
- Move the equipment away from the receiver.
- Plug the equipment into an outlet on a circuit different from that to which the receiver is powered.
- Consult the dealer or an experienced radio/television technician for additional suggestions.

CAUTION

Any changes or modifications to the equipment not expressly approved by the party responsible for compliance could void your authority to operate such equipment.

FCC RF Radiation Exposure Statement

To comply with FCC/IC RF exposure compliance requirements a separation distance of at least 20 cm must be maintained between the antenna of this device and all persons. This device must not be co-located or operating in conjunction with any other antenna or transmitter.

Federal Communication Commission Declaration of Conformity (DoC) Statement



Model No: GRX1

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| Trade Name | Topcon |
| Responsible Party | Topcon Positioning Systems, Inc. |
| Address | 7400 National Drive, Livermore, CA 94551 |
| Telephone No | +925-245-8300 |

Canadian Emission Labeling Requirements

- 1.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.
- 2.To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p) is not more than that permitted for successful communication.

3. This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte conform a la norme NMB-003 du Canada.

IC RF Radiation Exposure Statement

This installer of this device must ensure that the antenna is located or pointed such that it dose not emit RF field in excess of Health Canada limits for the general population; consult Safety Code 6, obtainable from Health Canada's website at www.hc-sc.gc.ca/rpb.

IC Additional statement with Detachable Antennas

This device has been designed to operate with the antennas listed below, and having a maximum gain of 2.4dB. Antennas not included in this or having a gain greater than 2.4 dB are strictly prohibited for use with this device. The required antenna impedance is 50 ohms.

- GRX1/U 2.4dBi whip antenna Manufacture/Type
410-440MHz ANTENEX/G420BN
440-470MHz CENTURION/EVR450
- GRX1/FH 2.4dBi whip antenna Manufacture/Type
CENTURION/EVR450

Community of Europe Compliance

The product described in this manual is in compliance with the R&TTE and EMC directives from the European Community.

European Community Declaration of Conformity with R&TTE Directive 1999/5/EC








The following standards were applied: (R&TTE Directive 1999/5/EEC)

- EN 301 489-1 V1.8.1 (2008-04)
- EN 301 489-5 V1.3.1 (2002-08)
- EN 301 489-17 V1.3.2 (2008-04)
- EN 300 328 V1.7.1 (2006-10)
- EN 300 113-2 v1.4.1 (2007-07)
- EN 62311:2008
- EN 60950-1:2001 + A11:2004




The following CE mark is affixed to the device:



Declaration of Conformity with Regard to the R&TTE Directive 1999/5/EC

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| <p> Český [Czech]</p> | <p>(<i>Topcon Positioning Systems, Inc.</i>) tímto prohlašuje, že tento (<i>GRX1</i>) je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.</p> |
| <p> Dansk [Danish]</p> | <p>Undertegnede (<i>Topcon Positioning Systems, Inc.</i>) erklærer herved, at følgende udstyr (<i>GRX1</i>) overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.</p> |
| <p> Deutsch [German]</p> | <p>Hiermit erklärt (<i>Topcon Positioning Systems, Inc.</i>) dass sich das Gerät (<i>GRX1</i>) in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet.</p> |
| <p> Eesti [Estonian]</p> | <p>Käesolevaga kinnitab (<i>Topcon Positioning Systems, Inc.</i>) seadme (<i>GRX1</i>) vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.</p> |
| <p> English</p> | <p>Hereby, (<i>Topcon Positioning Systems, Inc.</i>) declares that this (<i>GRX1</i>) is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.</p> |
| <p> Español [Spanish]</p> | <p>Por medio de la presente (<i>Topcon Positioning Systems, Inc.</i>) declara que el (<i>GRX1</i>) cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.</p> |
| <p> Ελληνική [Greek]</p> | <p>ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ (<i>Topcon Positioning Systems, Inc.</i>) ΔΗΛΩΝΕΙ ΟΤΙ (<i>GRX1</i>) ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ.</p> |

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| <p>[fr] Français [French]</p> | <p>Par la présente (<i>Topcon Positioning Systems, Inc.</i>) déclare que l'appareil (<i>GRX1</i>) est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.</p> |
| <p>[it] Italiano [Italian]</p> | <p>Con la presente (<i>Topcon Positioning Systems, Inc.</i>) dichiara che questo (<i>GRX1</i>) è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.</p> |
| <p>Latviski [Latvian]</p> | <p>Ar šo (<i>Topcon Positioning Systems, Inc.</i>) deklarē, ka (<i>GRX1</i>) atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.</p> |
| <p>Lietuvių [Lithuanian]</p> | <p>Šiuo (<i>Topcon Positioning Systems, Inc.</i>) deklaruoja, kad šis (<i>GRX1</i>) atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.</p> |
| <p>[nl] Nederlands [Dutch]</p> | <p>Hierbij verklaart (<i>Topcon Positioning Systems, Inc.</i>) dat het toestel (<i>GRX1</i>) in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.</p> |
| <p>[mt] Malti [Maltese]</p> | <p>Hawnhekk, (<i>Topcon Positioning Systems, Inc.</i>) , jiddikjara li dan (<i>GRX1</i>) jikkonforma mal-ħtiġijiet essenzjali u ma provvedimenti oħrajn relevanti li hemm fid-Dirrettiva 1999/5/EC.</p> |
| <p>[hu] Magyar [Hungarian]</p> | <p>Alulírott, (<i>Topcon Positioning Systems, Inc.</i>) nyilatkozom, hogy a (<i>GRX1</i>) megfelel a vonatkozó alapvető követelményeknek és az 1999/5/EC irányelv egyéb előírásainak.</p> |
| <p>[pl] Polski [Polish]</p> | <p>Niniejszym, (<i>Topcon Positioning Systems, Inc.</i>) , deklaruje, że (<i>GRX1</i>) spełnia wymagania zasadnicze oraz stosowne postanowienia zawarte Dyrektywie 1999/5/EC.</p> |
| <p>[pt] Português [Portuguese]</p> | <p>(<i>Topcon Positioning Systems, Inc.</i>) declara que este (<i>GRX1</i>) está conforme com os requisitos essenciais</p> |

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| | e outras disposições da Directiva 1999/5/CE. |
|  Slovensko [Slovenian] | <i>(Topcon Positioning Systems, Inc.)</i> izjavlja, da je ta (<i>GRX1</i>) v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES. |
| Slovensky [Slovak] | <i>(Topcon Positioning Systems, Inc.)</i> týmto vyhlasuje, že (<i>GRX1</i>) spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES. |
|  Suomi [Finnish] | <i>(Topcon Positioning Systems, Inc.)</i> vakuuttaa täten että (<i>GRX1</i>) tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen. |
|  Svenska [Swedish] | Härmed intygar <i>(Topcon Positioning Systems, Inc.)</i> att denna (<i>GRX1</i>) står i överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG. |

WEEE Directive

Following information is for EU-member states only:

The use of the symbol indicates that this product may not be treated as household waste. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. For more detailed information about the take-back and recycling of this product, please contact your supplier where you purchased the product or consult.

