

GNSS Antenna

User's Manual

Model Name TG-D3X

Model Number 1039509-02

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1 PREFACE

1.1 DISCLAIMER

Komatsu Ltd. reserves the right to make modifications, additions, and deletions to this document due to typographical errors, inaccurate information, or improvements to programs and/or equipment at any time and without notice. Such changes will, nevertheless, be incorporated into new editions of this document.

1.2 INTENDED USAGE

This manual is intended for anyone who attempts to use GNSS Antenna 'TG-D3X' in the first place and provides appropriate procedures for those engaged in safe handling.

For details on how to operate, please refer to the user manual of the machine.

1.3 COMPLIANCE INFORMATION

Please read the section "Compliance Notice" for locale-specific information regarding labelling, safety related statements.

2 Document Information

Revision History

Revision	Date	Author(s)	Description/comment
Revision_v1	2023/5/11	E. Masutani	Initial Draft

3 Product Overview

3.1 FEATURE

TG-D3X is a Topcon full-wave antenna that provides reliable solutions by tracking GPS, GLONASS, BeiDou, Galileo, QZSS, SBAS and L-Band satellites.

This high precision antenna with integrated ground plane provides excellent tracking sensitivity and multipath rejection for all surveying and construction applications.

The TG-D3X antenna supports a wide range of GNSS constellations. Paired with any Topcon modular or handheld GNSS receiver provides a high performance RTK system.

The TG-D3X antenna system offers IP6X dust and IP7X water resistance under IEC60529 as well as superior level of vibration and shock tolerance (MIL-STD-810H).

With its compact and ultra-rugged design, the TG-D3X antenna is one of the most versatile field antennas.



TG-D3X Antenna

Figure 1 Outer Appearance

4 Compliance Notice

4.1 European Union



MANUFACTURER/IMPORTER

Hereby, the Manufacturer/Importer:

The Manufacturer	The Authorized Representative
Topcon Positioning Systems, Inc. 7400 National Drive, Livermore, CA 94550 USA	KOMATSU EUROPE INT. Mechelsesteenweg 586 B-1800 Vilvoorde Belgium

SIMPLIFIED DECLARATION OF CONFORMITY

[EN] English	<p>Hereby, Topcon Positioning Systems, Inc. declares that the radio equipment type TG-D3X is in compliance with Directive 2014/53/EU.</p> <p>The full text of the EU declaration of conformity is available at the following internet address: https://www.komatsu.eu/komtrax-radio-equipment-directive</p>
[BG] Bulgarian	<p>С настоящото Topcon Positioning Systems, Inc. декларира, че този тип радиосъоръжение TG-D3X е в съответствие с Директива 2014/53/ЕС.</p> <p>Цялостният текст на ЕС декларацията за съответствие може да се намери на следния интернет адрес: https://www.komatsu.eu/komtrax-radio-equipment-directive</p>
[CS] Czech	<p>Tímto Topcon Positioning Systems, Inc. prohlašuje, že typ rádiového zařízení TG-D3X je v souladu se směrnicí 2014/53/EU.</p> <p>Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese: https://www.komatsu.eu/komtrax-radio-equipment-directive</p>
[DA] Danish	<p>Hermed erklærer Topcon Positioning Systems, Inc., at radioudstyretypen TG-D3X er i overensstemmelse med direktiv 2014/53/EU.</p> <p>EU-overensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse: https://www.komatsu.eu/komtrax-radio-equipment-directive</p>
[DE] German	<p>Hiermit erkläre Topcon Positioning Systems, Inc., dass der Funkanlagentyp TG-D3X der Richtlinie 2014/53/EU entspricht.</p> <p>Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar: https://www.komatsu.eu/komtrax-radio-equipment-directive</p>
[ET] Estonian	<p>Käesolevaga deklareerib Topcon Positioning Systems, Inc., et käesolev raadioseadme tüüp TG-D3X vastab direktiivi 2014/53/EL nõuetele.</p> <p>ELi vastavusdeklaratsiooni täielik tekst on kättesaadav järgmisel internetiaadressil: https://www.komatsu.eu/komtrax-radio-equipment-directive</p>
[EL] Greek	<p>Με την παρούσα ο/η Topcon Positioning Systems, Inc., δηλώνει ότι ο ραδιοεξοπλισμός TG-D3X πληροί την οδηγία 2014/53/ΕΕ.</p> <p>Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο: https://www.komatsu.eu/komtrax-radio-equipment-directive</p>
[ES] Spanish	<p>Por la presente, Topcon Positioning Systems, Inc. declara que el tipo de equipo radioeléctrico TG-D3X es conforme con la Directiva 2014/53/UE.</p> <p>El texto completo de la declaración UE de conformidad está disponible en la dirección Internet siguiente: https://www.komatsu.eu/komtrax-radio-equipment-directive</p>
[FR] French	<p>Le soussigné, Topcon Positioning Systems, Inc., déclare que l'équipement radioélectrique du type TG-D3X est conforme à la directive 2014/53/UE.</p> <p>Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante: https://www.komatsu.eu/komtrax-radio-equipment-directive</p>
[IT] Italian	<p>Il fabbricante, Topcon Positioning Systems, Inc., dichiara che il tipo di apparecchiatura radio TG-D3X è conforme alla direttiva 2014/53/UE.</p> <p>Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet: https://www.komatsu.eu/komtrax-radio-equipment-directive</p>

[LV] Latvian	Ar šo Topcon Positioning Systems, Inc. deklarē, ka radioiekārta TG-D3X atbilst Direktīvai 2014/53/ES. Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē: https://www.komatsu.eu/komtrax-radio-equipment-directive
[LT] Lithuanian	Aš, Topcon Positioning Systems, Inc. , patvirtinu, kad radijo įrenginių tipas TG-D3X atitinka Direktyvą 2014/53/ES. Visas ES atitikties deklaracijos tekstas prieinamas šiuo interneto adresu: https://www.komatsu.eu/komtrax-radio-equipment-directive
[HR] Croatian	Topcon Positioning Systems, Inc. ovime izjavljuje da je radijska oprema tipa TG-D3X u skladu s Direktivom 2014/53/EU. Cjeloviti tekst EU izjave o skladnosti dostupan je na sljedećoj internetskoj adresi: https://www.komatsu.eu/komtrax-radio-equipment-directive
[HU] Hungarian	Topcon Positioning Systems, Inc. igazolja, hogy a TG-D3X típusú rádióberendezés megfelel a 2014/53/EU irányelvnek. Az EU-megfelelőségi nyilatkozat teljes szövege elérhető a következő internetes címen: https://www.komatsu.eu/komtrax-radio-equipment-directive
[MT] Maltese	B'dan, Topcon Positioning Systems, Inc. , niddikjara li dan it-tip ta' tagħmir tar-radju TG-D3X huwa konformi mad-Direttiva 2014/53/UE. It-test kollu tad-dikjarazzjoni ta' konformità tal-UE huwa disponibbli f'dan l-indirizz tal-Internet li ġej: https://www.komatsu.eu/komtrax-radio-equipment-directive
[NL] Dutch	Hierbij verklaar ik, Topcon Positioning Systems, Inc. , dat het type radioapparatuur TG-D3X conform is met Richtlijn 2014/53/EU. De volledige tekst van de EU-conformiteitsverklaring kan worden geraadpleegd op het volgende internetadres: https://www.komatsu.eu/komtrax-radio-equipment-directive
[PL] Polish	Topcon Positioning Systems, Inc. niniejszym oświadczam, że typ urządzenia radiowego TG-D3X jest zgodny z dyrektywą 2014/53/UE. Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym: https://www.komatsu.eu/komtrax-radio-equipment-directive
[PT] Portuguese	O(a) abaixo assinado(a) Topcon Positioning Systems, Inc. declara que o presente tipo de equipamento de rádio TG-D3X está em conformidade com a Diretiva 2014/53/UE. O texto integral da declaração de conformidade está disponível no seguinte endereço de Internet: https://www.komatsu.eu/komtrax-radio-equipment-directive
[RO] Romanian	Prin prezenta, Topcon Positioning Systems, Inc. declară că tipul de echipamente radio TG-D3X este în conformitate cu Directiva 2014/53/UE. Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet: https://www.komatsu.eu/komtrax-radio-equipment-directive
[SK] Slovak	Topcon Positioning Systems, Inc. týmto vyhlasuje, že rádiové zariadenie typu TG-D3X je v súlade so smernicou 2014/53/EÚ. Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto internetovej adrese: https://www.komatsu.eu/komtrax-radio-equipment-directive
[SL] Slovenian	Topcon Positioning Systems, Inc. potrjuje, da je tip radijske opreme TG-D3X skladen z Direktivo 2014/53/EU. Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem spletnem naslovu: https://www.komatsu.eu/komtrax-radio-equipment-directive
[FI] Finnish	Topcon Positioning Systems, Inc. vakuuttaa, että radiolaitetyypin TG-D3X on direktiivin 2014/53/EU mukainen. EU-vaatimustenmukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraavassa internetosoitteessa: https://www.komatsu.eu/komtrax-radio-equipment-directive
[SV] Swedish	Härmed försäkras Topcon Positioning Systems, Inc. att denna typ av radioutrustning TG-D3X överensstämmer med direktiv 2014/53/EU. Den fullständiga texten till EU-försäkran om överensstämmelse finns på följande webbadress: https://www.komatsu.eu/komtrax-radio-equipment-directive

4.2 Great Britain

Manufacturer/Importer

The Manufacturer	The Authorized Representative
Topcon Positioning Systems, Inc. 7400 National Drive, Livermore, CA 94550 USA	KOMATSU UK Ltd. Durham Road, Birtley, Chester-le-Street, Co. Durham DH3 2QX, UK

SIMPLIFIED DECLARATION OF CONFORMITY

Hereby, **Topcon Positioning Systems, Inc.**, declares that the radio equipment type **TG-D3X** is in compliance with Radio Equipment Regulations 2017.

The full text of the declaration of conformity is also available at the following internet address:

<https://www.komatsu.eu/komtrax-radio-equipment-directive>