

# User's Manual

Product Name: Bluetooth Radio  
Model Number: 347-3110-000

Please print this document in A4 size.

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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 operate Sensor Interface Controller '347-3110-000' in the first place and provides appropriate procedures for anyone who is engaged in handling/building them in a safe manner.

## 1.3 COMPLIANCE NOTICE

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
1.0	2024/6/27	Y. Abe	Publication of the First Edition

### 3 Specification of Hardware

#### 3.1 Outline Dimensions and Mass

(1) Dimensions of Outline (Dimensions are in millimeters)

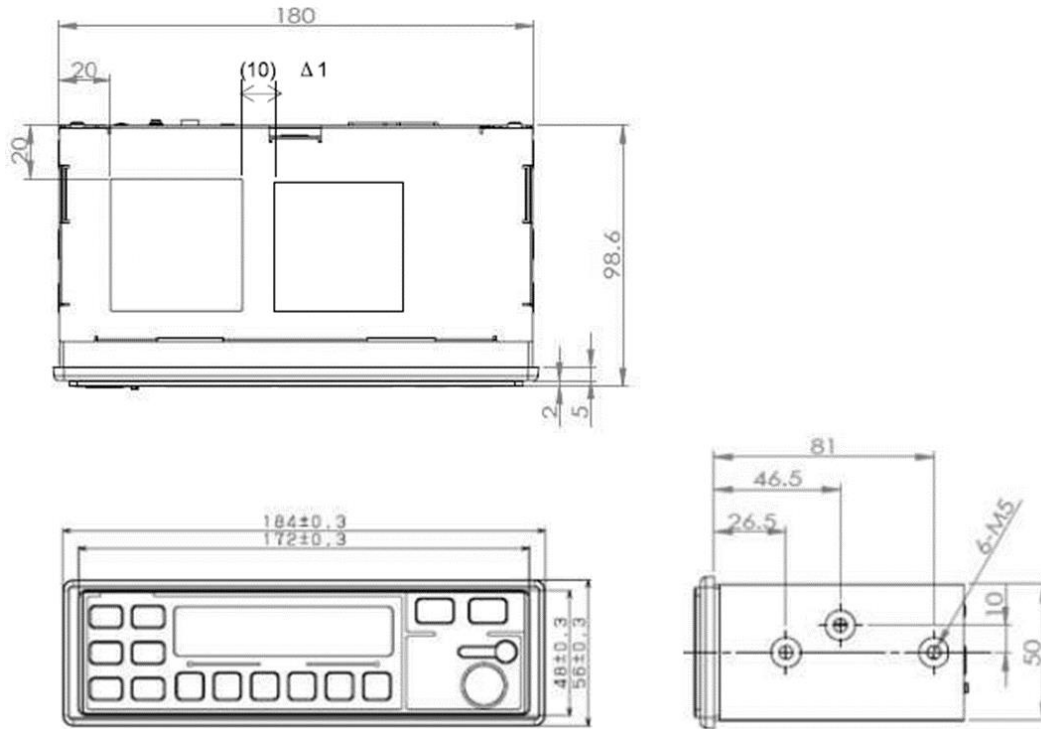


Figure 1 347-3110-000 Bluetooth radio Dimensions

(2) Mass: 0.535 [kilograms]

#### 3.2 Maximum Radio-Frequency Power

Frequency [MHz]	Max Power [dBm]
2402 – 2480	9.9

## 4 Compliance Notice

### 4.1 European Union



#### - Manufacturer/Importer

Hereby, the Manufacturer/Importer:

The Manufacturer	The Importer
Tokai Rika Create Corporation 2-3-10 Aoi, Higashi-ku, Nagoya Aichi 461-0004, Japan  <b>TORICA</b>	KOMATSU EUROPE INT. Mechelsesteenweg 586 B-1800 Vilvoorde, Belgium  <b>KOMATSU</b>

#### - Safety

Please refer to the vehicle manual for information on safety.

#### - Simplified Declaration of Conformity

[EN] English	Hereby, <b>Tokai Rika Create Corporation</b> declares that the radio equipment type <b>347-3110-000</b> is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <a href="https://www.komatsu.eu/komtrax-radio-equipment-directive">https://www.komatsu.eu/komtrax-radio-equipment-directive</a>
[BG] Bulgarian	С настоящото <b>Tokai Rika Create Corporation</b> декларира, че този тип радиосъоръжение <b>347-3110-000</b> е в съответствие с Директива 2014/53/ЕС. Цялостният текст на ЕС декларацията за съответствие може да се намери на следния интернет адрес: <a href="https://www.komatsu.eu/komtrax-radio-equipment-directive">https://www.komatsu.eu/komtrax-radio-equipment-directive</a>
[CS] Czech	Tímto <b>Tokai Rika Create Corporation</b> prohlašuje, že typ rádiového zařízení <b>347-3110-000</b> je v souladu se směrnicí 2014/53/EU. Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese: <a href="https://www.komatsu.eu/komtrax-radio-equipment-directive">https://www.komatsu.eu/komtrax-radio-equipment-directive</a>
[DA] Danish	Hermed erklærer <b>Tokai Rika Create Corporation</b> , at radioudstyrstypen <b>347-3110-000</b> er overensstemmelse med direktiv 2014/53/EU. EU-overensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse: <a href="https://www.komatsu.eu/komtrax-radio-equipment-directive">https://www.komatsu.eu/komtrax-radio-equipment-directive</a>
[DE] German	Hiermit erkläre <b>Tokai Rika Create Corporation</b> , dass der Funkanlagentyp <b>347-3110-000</b> der Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar: <a href="https://www.komatsu.eu/komtrax-radio-equipment-directive">https://www.komatsu.eu/komtrax-radio-equipment-directive</a>
[ET] Estonian	Käesolevaga deklareerib <b>Tokai Rika Create Corporation</b> , et käesolev raadioseadme tüüp <b>347-3110-000</b> vastab direktiivi 2014/53/EL nõuetele. ELi vastavusdeklaratsiooni täielik tekst on kättesaadav järgmisel internetiaadressil: <a href="https://www.komatsu.eu/komtrax-radio-equipment-directive">https://www.komatsu.eu/komtrax-radio-equipment-directive</a>

[EL] Greek	Με την παρούσα ο/η <a href="#">Tokai Rika Create Corporation</a> , δηλώνει ότι ο ραδιοεξοπλισμός <a href="#">347-3110-000</a> πληροί την οδηγία 2014/53/ΕΕ. Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο: <a href="https://www.komatsu.eu/komtrax-radio-equipment-directive">https://www.komatsu.eu/komtrax-radio-equipment-directive</a>
[ES] Spanish	Por la presente, <a href="#">Tokai Rika Create Corporation</a> declara que el tipo de equipo radioeléctrico <a href="#">347-3110-000</a> es conforme con la Directiva 2014/53/UE. El texto completo de la declaración UE de conformidad está disponible en la dirección Internet siguiente: <a href="https://www.komatsu.eu/komtrax-radio-equipment-directive">https://www.komatsu.eu/komtrax-radio-equipment-directive</a>
[FR] French	Le soussigné, <a href="#">Tokai Rika Create Corporation</a> , déclare que l'équipement radioélectrique du type <a href="#">347-3110-000</a> est conforme à la directive 2014/53/UE. Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante: <a href="https://www.komatsu.eu/komtrax-radio-equipment-directive">https://www.komatsu.eu/komtrax-radio-equipment-directive</a>
[IT] Italian	Il fabbricante, <a href="#">Tokai Rika Create Corporation</a> , dichiara che il tipo di apparecchiatura radio <a href="#">347-3110-000</a> è conforme alla direttiva 2014/53/UE. Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet: <a href="https://www.komatsu.eu/komtrax-radio-equipment-directive">https://www.komatsu.eu/komtrax-radio-equipment-directive</a>
[LV] Latvian	Ar šo <a href="#">Tokai Rika Create Corporation</a> deklarē, ka radioiekārta <a href="#">347-3110-000</a> atbilst Direktīvai 2014/53/ES. Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē: <a href="https://www.komatsu.eu/komtrax-radio-equipment-directive">https://www.komatsu.eu/komtrax-radio-equipment-directive</a>
[LT] Lithuanian	Aš, <a href="#">Tokai Rika Create Corporation</a> , patvirtinu, kad radijo įrenginių tipas <a href="#">347-3110-000</a> atitinka Direktyvą 2014/53/ES. Visas ES atitikties deklaracijos tekstas prieinamas šiuo interneto adresu: <a href="https://www.komatsu.eu/komtrax-radio-equipment-directive">https://www.komatsu.eu/komtrax-radio-equipment-directive</a>
[HR] Croatian	<a href="#">Tokai Rika Create Corporation</a> ovime izjavljuje da je radijska oprema tipa <a href="#">347-3110-000</a> u skladu s Direktivom 2014/53/EU. Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedećoj internetskoj adresi: <a href="https://www.komatsu.eu/komtrax-radio-equipment-directive">https://www.komatsu.eu/komtrax-radio-equipment-directive</a>
[HU] Hungarian	<a href="#">Tokai Rika Create Corporation</a> igazolja, hogy a <a href="#">347-3110-000</a> típusú rádióberendezés megfelel a 2014/53/EU irányelvnek. Az EU-megfelelőségi nyilatkozat teljes szövege elérhető a következő internetes címen: <a href="https://www.komatsu.eu/komtrax-radio-equipment-directive">https://www.komatsu.eu/komtrax-radio-equipment-directive</a>
[MT] Maltese	B'dan, <a href="#">Tokai Rika Create Corporation</a> , niddikjara li dan it-tip ta' tagħmir tar-radju <a href="#">347-3110-000</a> 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: <a href="https://www.komatsu.eu/komtrax-radio-equipment-directive">https://www.komatsu.eu/komtrax-radio-equipment-directive</a>
[NL] Dutch	Hierbij verklaar ik, <a href="#">Tokai Rika Create Corporation</a> , dat het type radioapparatuur <a href="#">347-3110-000</a> conform is met Richtlijn 2014/53/EU. De volledige tekst van de EU-conformiteitsverklaring kan worden geraadpleegd op het volgende internetadres: <a href="https://www.komatsu.eu/komtrax-radio-equipment-directive">https://www.komatsu.eu/komtrax-radio-equipment-directive</a>
[PL] Polish	<a href="#">Tokai Rika Create Corporation</a> niniejszym oświadcza, że typ urządzenia radiowego <a href="#">347-3110-000</a> jest zgodny z dyrektywą 2014/53/UE. Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym: <a href="https://www.komatsu.eu/komtrax-radio-equipment-directive">https://www.komatsu.eu/komtrax-radio-equipment-directive</a>

[PT] Portuguese	O(a) abaixo assinado(a) <a href="#">Tokai Rika Create Corporation</a> declara que o presente tipo de equipamento de rádio 347-3110-000 está em conformidade com a Diretiva 2014/53/UE. O texto integral da declaração de conformidade está disponível no seguinte endereço de Internet: <a href="https://www.komatsu.eu/komtrax-radio-equipment-directive">https://www.komatsu.eu/komtrax-radio-equipment-directive</a>
[RO] Romanian	Prin prezenta, <a href="#">Tokai Rika Create Corporation</a> declară că tipul de echipamente radio 347-3110-000 este în conformitate cu Directiva 2014/53/UE. Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet: <a href="https://www.komatsu.eu/komtrax-radio-equipment-directive">https://www.komatsu.eu/komtrax-radio-equipment-directive</a>
[SK] Slovak	<a href="#">Tokai Rika Create Corporation</a> týmto vyhlasuje, že rádiové zariadenie typu 347-3110-000 je v súlade so smernicou 2014/53/EÚ. Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto internetovej adrese: <a href="https://www.komatsu.eu/komtrax-radio-equipment-directive">https://www.komatsu.eu/komtrax-radio-equipment-directive</a>
[SL] Slovenian	<a href="#">Tokai Rika Create Corporation</a> potrjuje, da je tip radijske opreme 347-3110-000 skladen z Direktivo 2014/53/EU. Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem spletnem naslovu: <a href="https://www.komatsu.eu/komtrax-radio-equipment-directive">https://www.komatsu.eu/komtrax-radio-equipment-directive</a>
[FI] Finnish	<a href="#">Tokai Rika Create Corporation</a> vakuuttaa, että radiolaitetyyppi 347-3110-000 on direktiivin 2014/53/EU mukainen. EU-vaatimustenmukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraavassa internetosoitteessa: <a href="https://www.komatsu.eu/komtrax-radio-equipment-directive">https://www.komatsu.eu/komtrax-radio-equipment-directive</a>
[SV] Swedish	Härmed försäkrar <a href="#">Tokai Rika Create Corporation</a> att denna typ av radioutrustning 347-3110-000 överensstämmer med direktiv 2014/53/EU. Den fullständiga texten till EU-försäkran om överensstämmelse finns på följande webbadress: <a href="https://www.komatsu.eu/komtrax-radio-equipment-directive">https://www.komatsu.eu/komtrax-radio-equipment-directive</a>

## 4.2 Great Britain



### - Manufacturer/Importer

Hereby, the Manufacturer/Importer:

The Manufacturer	The Importer
Tokai Rika Create Corporation 2-3-10 Aoi, Higashi-ku, Nagoya Aichi 461-0004, Japan <b>TORICA</b>	KOMATSU UK Ltd. Durham Road, Birtley, Chester-le-Street, Co. Durham DH3 2QX, UK  <b>KOMATSU</b>

### - Safety

Please refer to the vehicle manual for information on safety.

### - Simplified Declaration of Conformity

Hereby, [Tokai Rika Create Corporation](#) declares that the radio equipment type [347-3110-000](#) is in compliance with the relevant statutory requirements.

STATUTORY INSTRUMENTS 2017 No. 1206 TELECOMMUNICATIONS (The 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>



### 4.3 Canada (ISED)

Contains IC : 23872-FSCBT806

#### - English

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment and meets RSS-102 of the ISED radio frequency (RF) Exposure rules. This equipment should be installed and operated keeping the radiator at least 20cm or more away from person's body.

#### - French

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique 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
2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Cet équipement est conforme aux limites d'exposition aux rayonnements énoncées pour un environnement non contrôlé et respecte les règles d'exposition aux fréquences radioélectriques (RF) CNR-102 de l'ISDE. Cet équipement doit être installé et utilisé en gardant une distance de 20 cm ou plus entre le radiateur et le corps humain.

### 4.4 Argentina



#### 4.5 Brazil

Modelo: 347-3110-000

ANATEL: 17161-22-03559

Este equipamento não tem direito à proteção contra interferência prejudicial e não pode causar interferência em sistemas devidamente autorizados.

Este produto está homologado pela Anatel, de acordo com os procedimentos regulamentados pela Resolução nº 715/2019 e atende aos requisitos técnicos aplicados.

Site da ANATEL: <https://www.gov.br/anatel/pt-br>

#### 4.6 Mauritania

AGREE PAR L'ARE MAURITANIE  
 Numéro d'agrément :1435/ARE/2024  
 Date d'agrément :27/03/2024

#### 4.7 Thailand



เครื่องวิทยุคมนาคมและอุปกรณ์นี้ มีความสอดคล้องตามมาตรฐานหรือข้อกำหนดทางเทคนิคของ กสทช.

#### 4.8 Taiwan (R.O.C)

取得審驗證明之低功率射頻器材，非經核准，公司、商號或使用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。低功率射頻器材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。前述合法通信，指依電信管理法規定作業之無線電通信。低功率射頻器材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。

本器材須經專業工程人員安裝及設定，始得設置使用，且不得直接販售給一般消費者

最高工作溫度：遵循配备本无线设备的建筑机械。



•  
I hereby ensure that "the presence conditions of the restricted substance" provided above have been proved by testing or appropriate quality control measures, and make sure the relevant documents provided are correct and ready. Also, I agree to cooperate with BSMI, as the Article 49 of the Commodity Inspection Act stipulates, to provide the relevant documents, if needed, for verification within 28 working days when BSMI carries out the market surveillance activities.

此致 to

經濟部標準檢驗局 The Bureau of Standards, Metrology and Inspection

申請人: Tokai Rika Create Corporation

Applicant

負責人: Shohei Yamamoto (簽章) *Shohei Yamamoto*  
Person in charge (Signature)

中 華 民 國 2022 年 11 月 30 日

DATE

(year)

(month)

(day)