

Pokayoke Wireless Unit

HCP-2402T-MC

Instruction Manual V1.20

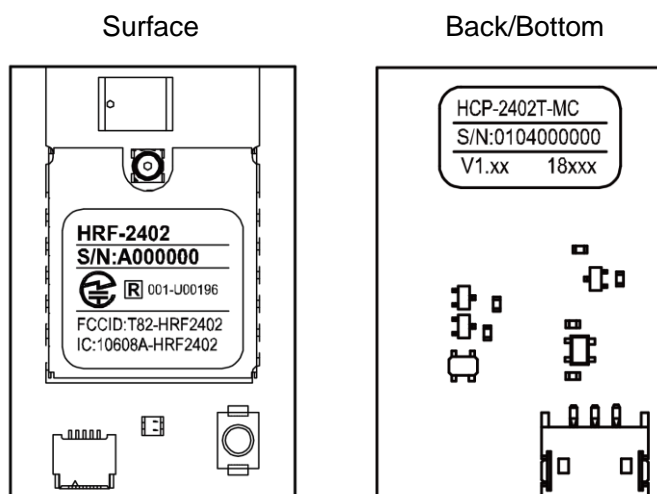
Please use this operation manual correctly on reading well. Please keep it carefully to be able to read immediately, when required.

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1.General outline

HCP-2402T-MC is a wireless unit that can communicate with the TW-800 series Pokayoke receivers.



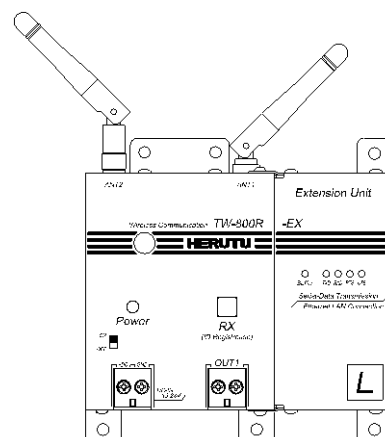
Pokayoke Wireless Unit HCP-2402T-MC

【Features】

- Can communicate with the TW-800 series Pokayoke receivers
- Equipped with a pairing switch, LED display, antenna and input, so it can be used as a built-in unit.
- The communication distance is about 30m(98ft) indoors.
- Built-in proprietary communication protocol can greatly reduce the communication related development cost
- Available countries : Japan / Canada / USA / China / Thailand / Vietnam / Philippines / India



This unit is provided in a form that is easy to incorporate into a tool.

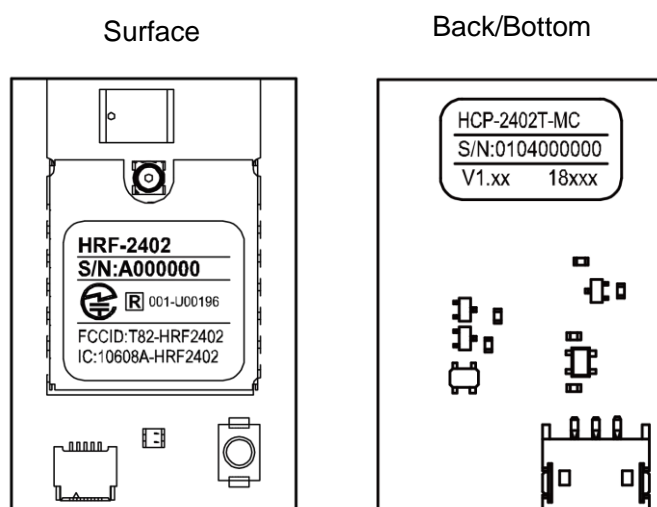


**TW-800 series
Pokayoke receivers**

2. Main part and accessories

Main part

•Pokayoke Wireless Unit HCP-2402T-MC



HCP-2402T-MC x1

Accessories

•Cable with connector ZHR-3-200

It can be used to connect the connection connector of HCP-2402T-MC



ZHR-3-200 (Cable length Approx.20cm)

Cable color	No. of terminal	Name of terminal
Red	1	VB
White	2	OC
Black	3	GND

Please refer to "5. Connector for connections" about details of each terminal.

3.Safety Precautions (Be Sure to Read This)

This section describes the matters to be observed in order to prevent harm to the users and other persons and damages to the property.

- The following marks and displays classify and describe the extent of harm and damage caused by failing to observe the display content and using this product wrongly.



Caution

This display column shows "a failure to do observe it could result in only the personal injury or property damage".

■Handling this product

- This product is the wireless communication equipment made of precision parts. Do not disassemble or modify it. Or the accident or fault may occur.



■Use and storage environment

- DO NOT USE OR STORE the product in the following places to prevent defects, malfunction, deterioration, fire, and electric shock:
 - Do not use and store it in places exposed to direct sunlight,
 - Do not use and store it in places where liquids, foreign substances, corrosive gases or combustible gases can enter the product,
 - Do not use and store it in places with high humidity or where there is abundant oil smoke, dust, sand, etc. ,
 - Do not use it in an unstable place such as a wobbling table or an inclined plane,
 - Do not use it in a place with vibration.



■Specific handling of this product

This product is a radio equipment with certification of construction design.

- It is prohibited by law to disassemble or modify certified devices.



- Do not remove the certification label affixed to the case. It is prohibited to use any product without the label.



- This product is only available in the countries where the certification is acquired.



Warning

This display column shows "a failure to do observe it could result in death or serious personal injury".

■Handling this product

- Do not use this product for application that requires the extremely high reliability affecting the human life.



- Do not use this product in the area which the radio wave reaches or not.



■If a problem occurs during use

Remove the power plug from the outlet because it may cause fire and electric shock. Request the dealer or our company to repair it.

- When smoke comes or there is a strange smell, immediately stop usage and remove the power plug from the outlet because it may cause fire and electric shock. Request the dealer or our company to repair it.



■Notes on the Radio Law

○The wireless device used for this product is certified as a specific radio device for a radio equipment of a low power data communication system based on the Radio Law. Therefore, a radio station license is not required to use this product.

○This product can be used only in Japan or countries where required certification is acquired. In the case that it is used in other countries, this product may be damaged or it may damage other equipment. It also may conflict with the laws of that country. Please contact our sales department for the countries that the product is certified other than Japan.

○Do not use this product near any person using cardiac pacemaker. The cardiac pacemaker may be disturbed by electromagnetic wave, which may cause risk of life.

○Do not use this product near any medical equipment. The medical equipment may be disturbed by electromagnetic wave, which may cause risk of life.

○Do not use this product near any microwave oven. Electromagnetic wave from microwave oven may disturb radio communication.

○The wireless device of this product is certified under the Radio Law, so that DO NOT disassemble or remodel this product.

■Notes on radio interference of 2.4 GHz radio

When communicating with 2.4 GHz band wireless products, pay attention to the following points.

In this product's frequency band not only industrial, scientific and medical equipment such as microwave ovens but also local radio stations for mobile objects identification (which require the license), specified low-power radio stations (license not required), and amateur radio stations (license required) can be in operation.

○Before using this product, make sure that there are no local radio stations for mobile objects identification, specified low-power radio stations and amateur radio stations operating nearby.

○In event that harmful interference occurs to any radio station by the radio wave from this product, stop using it immediately and consult with us about avoiding interference.

○Also contact us in case of any trouble such as harmful radio interference to specified low-power radio stations for mobile objects identification or amateur radio stations.

TW-800R-SCL is equipped with the built-in wireless module HRF-2402.

HRF-2402 Certified Countries : Japan, Canada, USA, China, Thailand, Vietnam, Philippines and India.

■FCC/IC Warning

Information about FCC Standard.

FCC CAUTION

Change or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines. This equipment has very low levels of RF energy that is deemed to comply without maximum permissive exposure evaluation (MPE).

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines. This equipment has very low levels of RF energy that is deemed to comply without testing of specific absorption rate(SAR).

I Information about ISED Standard.

This device complies with Industry Canada's applicable license-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;
- 2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment and meets RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment has very low levels of RF energy that is deemed to comply without maximum permissive exposure evaluation (MPE).

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'IC. Cet équipement émet une énergie RF très faible qui est considérée comme conforme sans évaluation de l'exposition maximale autorisée (MPE).

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment and meets RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment has very low levels of RF energy that is deemed to comply without testing of specific absorption rate (SAR).

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'IC. Cet équipement émet une énergie RF très faible qui est considérée comme conforme sans évaluation du débit d'absorption spécifique (DAS).

This radio transmitter (10608A-HRF2402) identify the device by certification number or model number if Category II) has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain indicated. Antenna types not included in this list, having a gain greater

than the maximum gain indicated for that type, are strictly prohibited for use with this device.

Antenna type:1/4λ Dipole antenna (chip antenna) Gain: 3dBi

Antenna type:1/2λ Dipole antenna Gain: 2dBi

Antenna type:1/2λ Dipole antenna Magnet Base Gain: 2dBi

Le présent émetteur radio (10608A-HRF2402) a été approuvé par Industrie Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal. Les types d'antenne non inclus dans cette liste, et dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour l'exploitation de l'émetteur.

Type d'antenne:1/4λ Dipole antenna (chip antenna) Gain: 3dBi

Type d'antenne:1/2λ Dipole antenna Gain: 2dBi

Type d'antenne:1/2λ Dipole antenna Magnet Base Gain: 2dBi

■Thailand standard(SDoC)

This telecommunication equipment is in compliance with NBTC requirements.

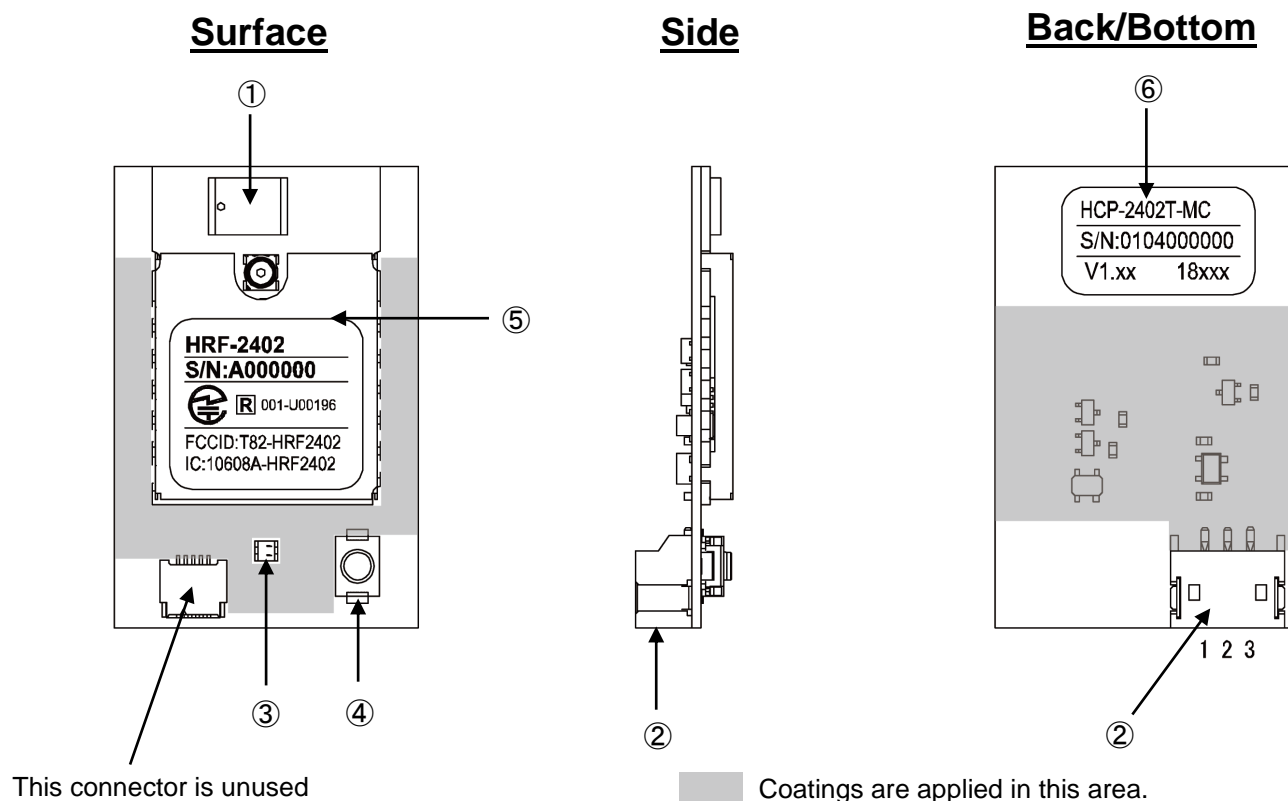
■Information about SDPPI(Indonesia)

HCP-2402T-MC

85851/SDPPI/2022

3441

4. Name and Each Part



① Antenna	Chip antenna is mounted
② Connector for connection	Connect to the connector from tool to be connected. When using connectorized cable of an option, it's connected to this connector.
Terminal No.1 (VB)	Input a voltage (+ side) in the range of 2.2V-3.6V.
Terminal No.2 (OC)	The terminal to input a contact signal for tightening OK and operational completion. Please connect "NPN transistor open collector output". The input for 40 ms or more is transmitted normally.
TerminalNo.3 (GND)	Connect a GND(- side).
③ LED	Display the situation of communication by Green / Red color or lighting and flashing. (※1)
④ Pairing switch	Paring switch at the paring
⑤ Wireless Module	Wireless module "HRF-2402" is used.
⑥ Label	Product type, Serial No. Software version is printed. The 10 digit number starting from 0104 on this label is the transmitter ID number.

(※1) LED lighting and flashing pattern is below

Situation	Display pattern
Communication OK	Green LED 1 time flashing(100ms)
Communication BUSY	Green LED 3 times flashing (Interval 100ms)
Transmitting without pairing:	Red LED 3 times flashing (Interval 100ms)
Unable to answerback communication:	Red LED 10 times flashing (Interval 100ms)
Releasing paring(※2)	Red LED 10 times flashing (Interval 100ms)

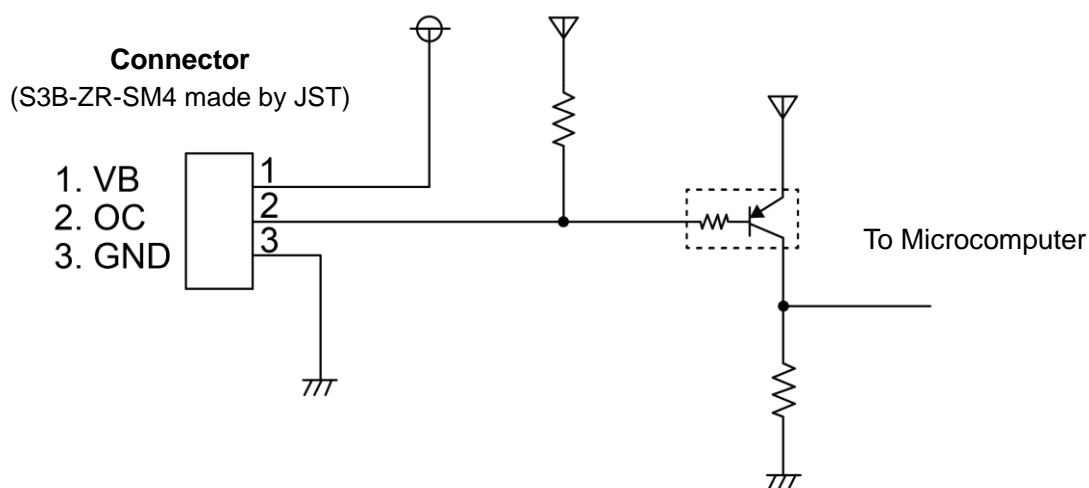
(※2) Paring will be released by pushing a paring switch over 3 seconds

5. Connector

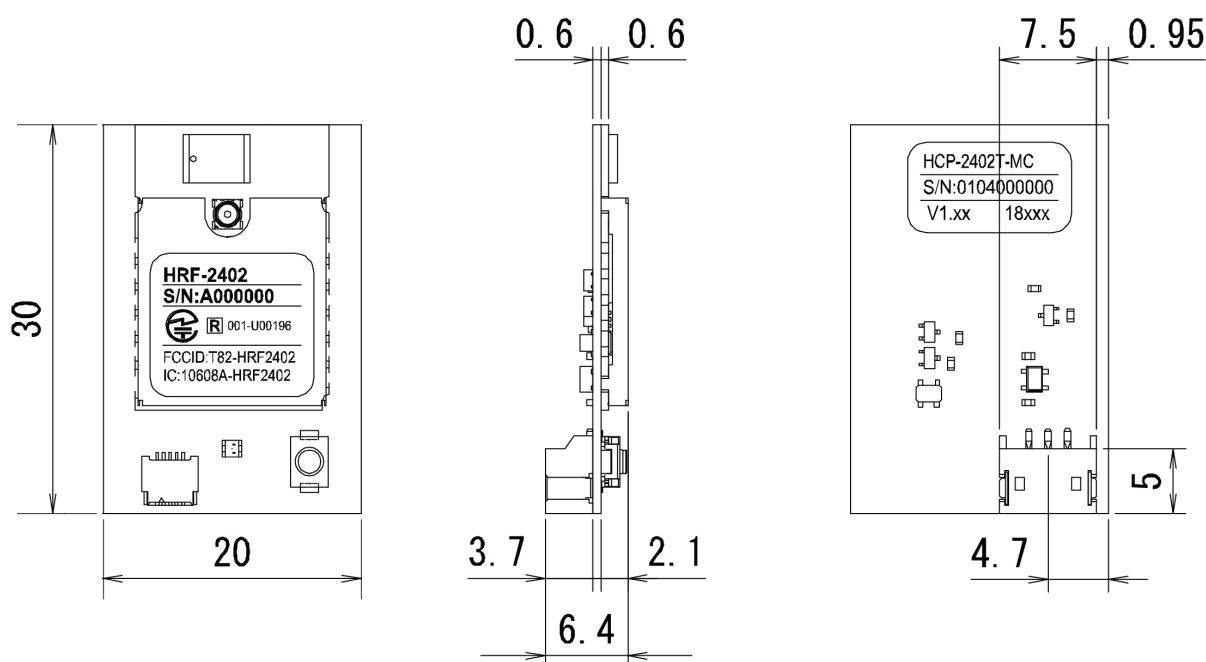
Input way is no voltage contact signal. The input condition is below

Terminal No.	Terminal Name	Input condition
1	VB	Input a voltage (+ side) in the range of 2.2V-3.6V.
2	OC	The terminal to input a contact signal for tightening OK and operational completion. Please connect "NPN transistor open collector output". The input for 40 ms or more is transmitted normally.
3	GND	Connect a GND(- side).

Input circuit diagram



6. Drawing



7. Specification

Items	Specification
Wireless compliance standard	<p><Japan> Radio equipment specified in Article 2 paragraph 1 item(19) of the Radio Law *Specialized radio equipment: Low power data communication system in the 2.4 GHz band Article 49-20 paragraph 1 of the Ordinance Regulating Radio Equipment <USA: FCC / Canada: ISED> FCC Part.15-247 <Thailand: NBTC> SDoC <India: ETA> ETA-848/2017-RLO(SR)</p>
Power source	DC 2.2~6.0V (Supplied from connector) <Connector> JST / Product type: S3B-ZR-SM4
Absolute Maximum Ratings	DC 7V
Current consumption	Transmitting : 17.0mA Receiving : 18.5mA Sleep : 2.0μA / MAX 5.5μA
Input	1 Non-voltage contact input <Connector> JST / Product type: S3B-ZR-SM4
Display	2 LED (Green / Red)
Operating environment	Temperature: 0°C~50°C humidity: 35~85% (without condensation)
External Dimensions	20.0W×30.0H×6.4Dmm
Weight	Approx. 2.5g
Emission designation	F1D
Frequency	2,403MHz~2,478MHz
Chanel number	76ch
Channel step	1MHz
Type of modulation	GFSK
Mode of operation	Half duplex 250kbps
Transmit power	1.5mW / MAX 2.1mW
Receiving sensitivity	Under -94dBm or less
Frequency deviation	±50ppm
Antenna	Chip antenna
Switch	1 Paring switch

8. Troubleshooting

Phenomenon	Cause and remedy
The wireless unit does not transmit LED (red or green) does not light up	A connector of the wireless unit and a connector of tool which the wireless unit installed is not connected right
	→Please confirm connect way is right.
The red LED blinks 3 times after transmitting.	Pairing is not done. (not registered)
	→Perform pairing with the receiver to communicate with the wireless unit.
The red LED blinks 10 times after transmitting.	The power of the receiver is not ON.
	→Make sure the power of the receiver to communicate with the transmitter is ON.
	The communication distance is too far.
	→The distance is beyond the maximum communication distance of the machine. Install the transmitter in a location where it can communicate with a receiver.
	The installation situation of receiver's antenna is not good.
	→Please check that the antenna situation of receiver will be good. Depending on the situation, please consider to use the external antenna.
	Communication cannot be done due to external factors. →Use of a product using the same frequency band (2.4GHz band) as this product may prevent communication. Please contact our Sales Department with your product information.
Flashing GREEN LED 3 times	Receiver is busy situation.
	→Receiver situation is within relay output time or double count protecting time. Please check the setting of receiver. •There is a possibility that a connection with external equipment is cut. Please confirm the connection with external equipment.
Impossible do "Pairing"	Receiver is not "Pairing mode".
	→Please made into "Pairing mode". Please push the pairing switch of a transmitter 3 seconds or more.

9. After service and Warranty

If something is wrong. If you should find anything wrong with the machine when using it under normal conditions, check the warranty and repair regulations and contact the outlet store through which you purchased the product or our Sales Office. The latest warranty and repair regulations can be found on our website.

[Warranty Regulation]

This regulation (hereinafter referred to as the "Regulation") is for post-shipment warranty provided by HERUTU ELECTRONICS CORPORATION (hereinafter referred to as the "Company") so that you can use the Company's product you have purchased with confidence. The Regulation does not apply to special order products (custom products). In addition, purchased products shall be subject to the relevant manufacturer's warranty regulations, and the Regulation shall not apply.

Please note that in the event that the product you purchased comes with an instruction manual that describes the Company's old repair regulation, the latest Regulation will still apply.

1. Warranty period

Unless otherwise specified, the warranty period shall be "up to thirteen months from the date of shipment of the product by the Company". During the warranty period, the Company will replace the product with a new one or repair it free of charge in accordance with the provisions of the Regulation.

In addition, if a failure occurs during the warranty period due to the Company's responsibility and the product with the failure (hereinafter referred to as the "Product") is replaced with a new one or repaired free of charge, the warranty period of the Product will be "thirteen months from the date of initial shipment of the Product, or six months from the date of shipment of the Product that has been replaced or repaired, whichever comes later".

The warranty period for paid repairs shall be in accordance with the provisions of the Company's repair regulation.

2. Warranty scope

If a failure occurs during the warranty period due to the Company's responsibility, the Company will replace the product with a new one or repair it free of charge.

Even within the warranty period, the warranty does not apply in the following cases:

- A) In the event of failure or damage caused by improper handling by the customer, such as dropping or impact during transportation or movement by the customer
- B) In case of failure due to disassembly or modification of the main unit by the customer
- C) In case of natural disasters such as fires, earthquakes, floods, and in case of failure or damage due to abnormal voltage
- D) In case of failure caused by failure of equipment other than the Company's designated equipment connected to the Product
- E) In case of failure of the Product's accessories (AC adapter, antenna, connection cable, etc.)
- F) If damage is caused by the failure of consumables or limited-life parts included in the Product:
 - 1. Consumables: Batteries (rechargeable, batteries, dry batteries, button batteries, etc.), recording media (SD cards, etc.)
 - 2. Limited-life parts: Various switches (limit switches, push button switches, etc.) and various sensors

3. Other items that are worn out or have a service life due to use

If consumables or limited-life parts fail, we will replace or repair the parts for a fee.

- G) In case of failure caused by handling contrary to the usage and precautions described in the instruction manual of the Product
- H) If repaired, adjusted, or improved by elsewhere other than the Company
- I) If the Company is unable to reproduce the failure

3. About repair of the Product

Please note that repairing the Product requires equipment such as measuring instruments and tools, so the Company will handle it as a pick-up repair service at the Company.

4. About the shipping cost for replacement or repair of the Product

Shipping charges for sending the Product to the Company or a distributor, as well as shipping charges for sending the Product that has been replaced or repaired by the Company or the distributor to the customer, will be borne by the Company or the distributor.

5. Disclaimer

The Company is not responsible for any direct or indirect damages or monetary loss caused by failure of the Product or its use.

6. Additional notes

Please note in advance that the information of the Product described on the Company's website and in the catalogs, instruction manuals, technical materials, and other materials provided by the Company are subject to change without notice to customers.

[Repair Regulation]

This regulation (hereinafter referred to as the "Regulation") shall be applied to paid repair service (hereinafter referred to as the "Service") provided by HERUTU ELECTRONICS CORPORATION (hereinafter referred to as the "Company"). The Regulation does not apply to special order products (custom products). In addition, purchased products shall be subject to relevant manufacturer's repair regulations, and the Regulation shall not apply.

Please note that in the event that the product you purchased comes with an instruction manual that describes the Company's old repair regulation, the latest Regulation will still apply.

1. Subject of the Regulation

The Service is provided for the Company's products that are "beyond the scope of the warranty specified in the warranty regulation" and "from the sales start date to the end date of the repair period (seven years from the production end date)". However, please note that the end date of the repair implementation period may be earlier depending on the availability and procurement status of repair parts.

2. Establishment of contract

The contract shall be established when the customer approves the quotation presented by the Company and

issues an order form before the end of the repair implementation period.

3. Purpose of the Service

The Company will provide the Service for the purpose of repairing the function and performance of the Company's product used by the customer if it fails beyond the scope of the warranty specified in the warranty regulation. Please note that the Service requires equipment such as measuring instruments and tools, so the Company will handle it as a pick-up repair service at the Company.

4. Usage fee for the Service

The usage fee for the Service shall be the total of the following fees:

A) Repair service fee

The repair service fee is the total amount of technical fees, parts costs, other expenses incurred, and applicable taxes associated with repairing the Company's product (hereinafter referred to as the "Product for repair") that the customer wishes to repair.

B) Shipping fee (including the cost of packaging boxes)

The Company kindly asks that customers bear the shipping costs for sending the Product for repair to the Company and for returning it from the Company. However, in the event that the Product for repair is sent by payment on delivery by the customer, the shipping cost will be included in the Service charge.

5. Warranty period and scope of the Product for repair

The warranty period for the Product for repair is "up to six months from the date of repair completion". However, please note that failures other than the repaired parts (repaired places or replaced parts) are not covered by the warranty of the Product for repair. In addition, if a failure occurs due to the Company's responsibility within the warranty period, the Company will again repair the product free of charge.

6. Handling of repair parts

A) In order to provide the Service stably for a long time and to promote environmental protection, etc., the Company may use recycled parts or alternative parts at the time of repair at its discretion.

B) The Company may, at its own discretion, collect the removed parts for the purpose of recycling or analysis at the time of parts replacement through the regulation of the Service. Please note that the collected parts are the property of the Company and will be recycled, used or discarded at its discretion.

7. Estimate for the Service

The estimate for the Service is basically free of charge. However, if the Company is unable to reproduce the failure, it will not be able to carry out repairs and will not provide an estimate. If a technical investigation is required to reproduce the failure, the Company will estimate the cost of reproducing the failure.

8. Return of unrepairs product

If the Company does not estimate the cost of the Service due to reasons such as being unable to reproduce the failure, it will return the Product for repair to the customer.

In addition, if the customer does not place an order within three months from the date of creation of the quotation, or if the customer does not accept the quotation and the customer expresses an intention not to carry

out the repair, the Company will assume that the customer has canceled the request for the Service, and the Company will return the Product for repair to the customer without carrying out the repair.

In addition, if a shipping fee is incurred for returning the product, it will be borne by the customer.

9. Handling of personal information

The Company will properly handle personal information such as names and addresses being provided in accordance with the privacy policy posted on the Company's website.

10. Compensation for damages

- A) The responsibility of the Company for providing the Service shall be limited to the matters and contents specified in the repair regulation, and shall not include any damages incurred by the customer due to special circumstances (including loss of profits of the customer and damages based on claims for compensation made by third parties against the customer) and damages caused by the customer being unable to use the product due to a failure or defect of the Product for repair. However, this does not apply if the damage was caused by the Company's willful misconduct or gross negligence.
- B) Even if the Company is liable to the customer for damages in connection with the regulation of the Service, the Company's liability shall not exceed the amount equivalent to the value of the Product for repair, except in cases of willful misconduct or gross negligence on the part of the Company. The value of the Product for repair shall be calculated based on the residual value after depreciation or the price of products with equivalent performance sold in the market at the time of damage.

11. Additional notes

- A) The Company cannot restore stickers, LCD protective sheets, and coloring applied to the outer casing parts that you have attached yourself. In addition, if advertisement stickers were affixed at the time of sale, they cannot be newly prepared as repair parts when replacing the outer casing parts. After replacing the outer casing parts, the advertisement stickers will be returned without being affixed.
- B) Please note in advance that the information of the Product on the Company's website and in the catalogs, instruction manuals, technical materials, and other materials provided by the Company are subject to change without notice to customers.

10. Installation method of each tool and paring

10-1. Makita Corporation Impact driver / Impact wrench

10-1-1. Impact driver / Impact wrench Product type

The product models of the impact driver / impact wrench that are compatible with this product are as follows. For details on the impact driver / impact wrench, refer to the catalog of the corresponding product.

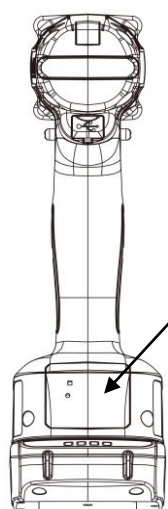
Caution

The product model varies depending on the destination.

Destination	Product type	Product model			
Japan	Impact driver	TDA040D	TDA070D	TDA100D	TDA140D
	Impact wrench	TWA070D	TWA100D	TWA140D	TWA190D
Except for Japan	Impact driver	DTDA040	DTDA070	DTDA100	DTDA140
	Impact wrench	DTWA070	DTWA100	DTWA140	DTWA190

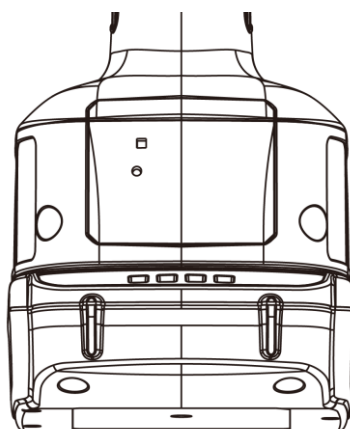
The specifications of the housing differ depending on the destination.

Some of the covers are transparent so that you can see the wireless compliance standards (FCC / ISED) listed on the wireless unit, while others are not.

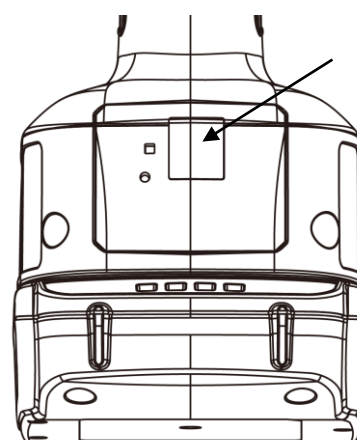


Cover

Specifications that are not transparent



Specifications that are transparent



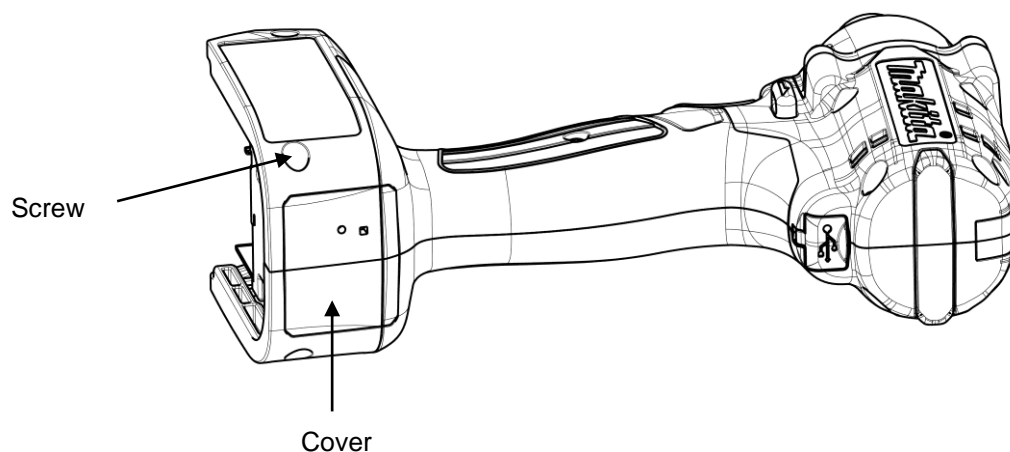
This part is transparent

10-1-2. Installation method of wireless unit

Caution

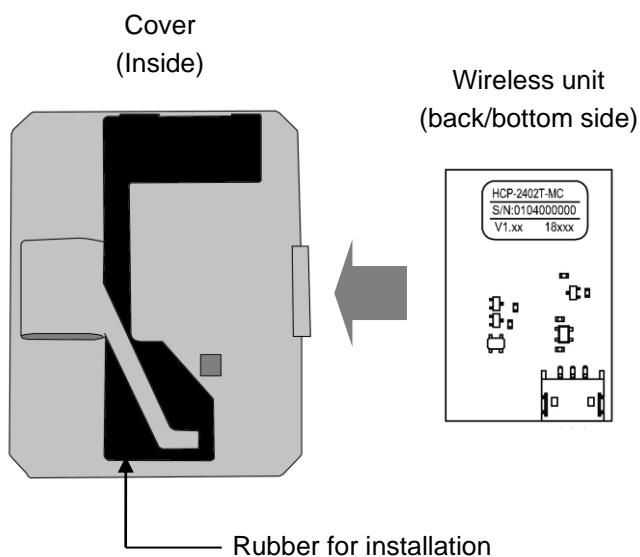
Please work in the state which removed a battery from an impact screwdriver/an impact wrench.

1. Remove the screws shown below and remove the cover.

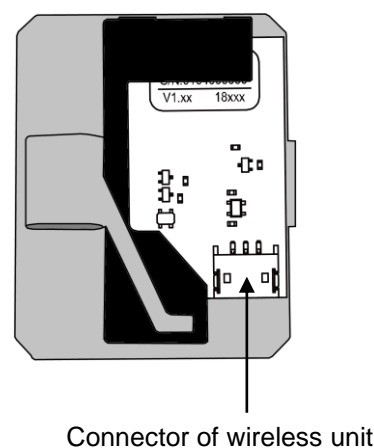


When installing the wireless unit, recommend to make sure that the impact screwdriver/impact wrench won't collapse at placing.

2. The wireless unit is loaded inside the cover. Please insert the wireless unit in rubber for installation inside the cover. Insert the wireless unit with the back side up.



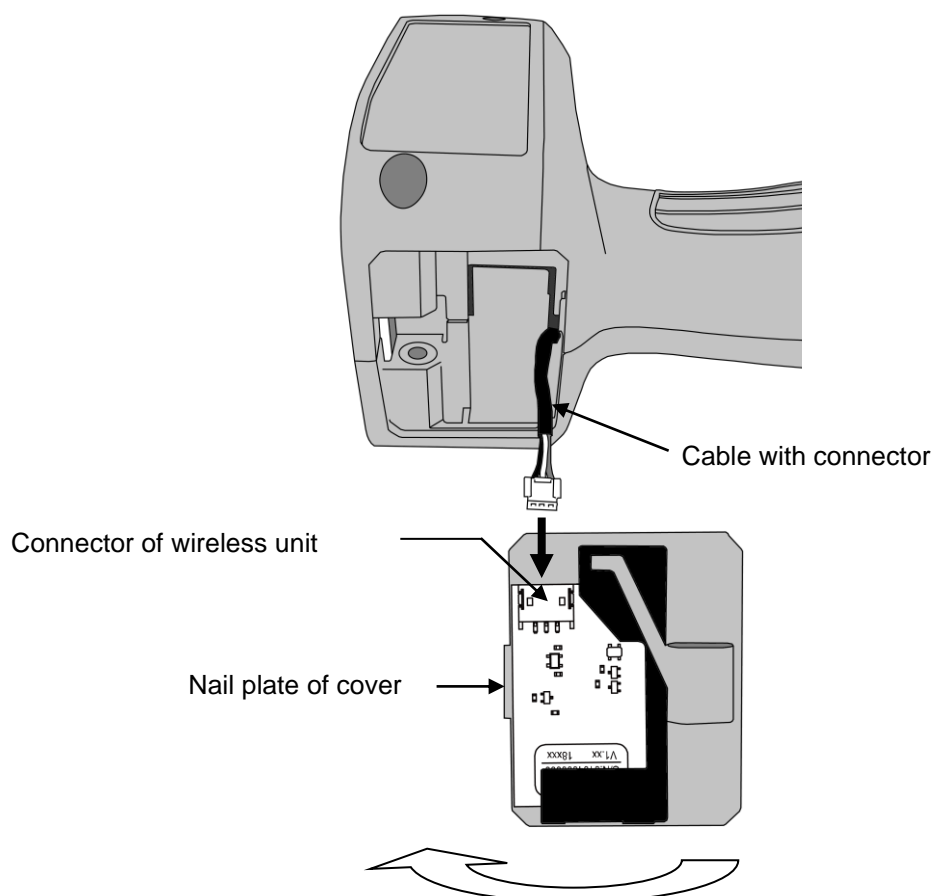
After installation



3. Connect the connector from the impact screwdriver/impact wrench to the connector of the wireless unit.

Caution

If connectorized cable is pulled too much, cable may get break.

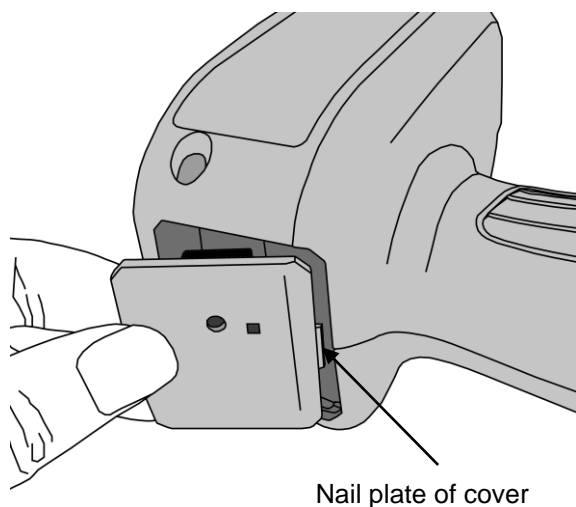


After connecting a connector, please change the direction to the way of the arrow.

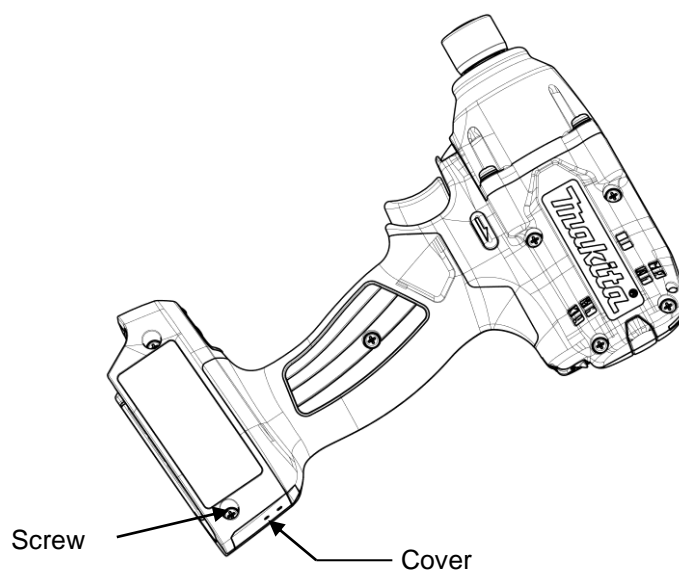
4. Install a cover in the impact screwdriver/impact wrench body and tighten a screw.

Caution

When installing a cover, please don't pick up a cable with a connector between the cover and the body. As cable may get break.



A cover is installed after a nail plate of a cover is put in.



10-1-3. Paring with receiver(Registration)

The wireless unit can communicate with receiver of TW-800 series. The wireless unit and the receiver need to be paired before use. By pairing them, they recognize an identification signal from each other and communicate with each other. For Paring, the receiver needs to enter the pairing mode.

Please refer to an instruction manual of the used receiver about the way to make the receiver a pairing mode.

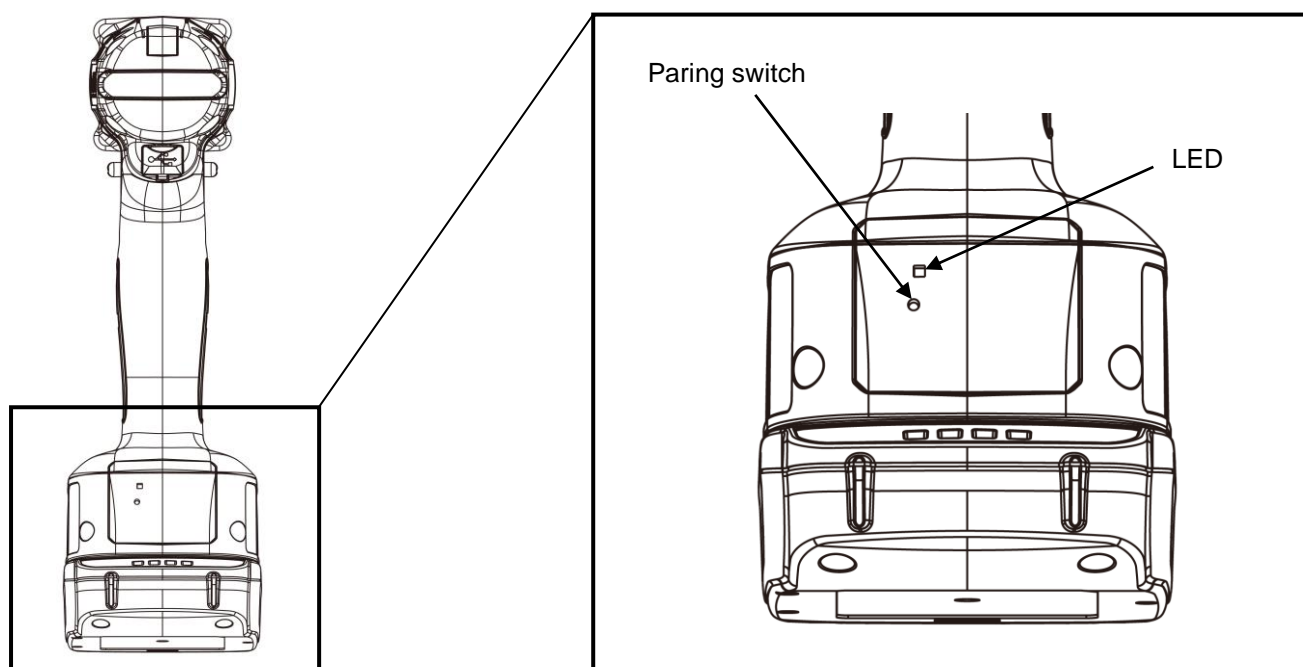
Caution

Before doing a pairing, please set a battery on an impact screwdriver/an impact wrench.

1. The receiver is made a pairing mode

2. Long press the pairing switch of Impact driver/Impact wrench for 3 seconds or more while receiver is in pairing mode.

If the communication is done normally, Green LED of transmitter turns on 1 time.



3. Once receiver is turned off, and turned on again, wireless unit can communicate with the receiver.

◆ Delete the pairing

If the pairing switch of the wireless unit is pressed for more than 3 seconds while the receiver is not in the pairing mode, the wireless unit delete the memory pairing information (receiver ID information).

The red LED flashes 10 times at 100ms intervals to indicate that pairing has been released.

*Notes

A long press on the pairing switch of transmitter (3 seconds or more) when the receiver is not in the pairing mode resets the pairing with the receiver and prevents communication with the registered receiver. When pairing is reset by mistake, perform the pairing procedure again.

10-1-4. How to use

Turn on the receiver and start working. When the fastening is completed, a signal is sent from the wireless unit. When the receiver receives the signal from the wireless unit, it returns an answer back to the wireless unit. When the wireless unit receives the answer back, it turns on the green LED (100 ms) to indicate that communication has been completed.

If an error occurs during communication, it will be notified by the LED lighting pattern.

- If the receiver is unable to process the received data in some other process, the green LED flashes three times at 100ms intervals to indicate that the receiver is busy.
- If the answer back is not received from the receiver for a certain period of time after transmitting the fastening OK signal, the red LED flashes 10 times at 100 ms intervals to notify that communication has failed.
- If the receiver has not been paired, the red LED flashes three times at 100ms intervals when the connection is completed. Perform pairing before starting work.

◆Test transmitting

Press the pairing switch of the impact driver / impact wrench once to send the test transmission.

For test transmission, the receiver only receives the signal and does not output it. Other processes and LED lighting patterns are the same as when the fastening completion signal is sent.

* Please note that the pairing will be canceled if you hold down the pairing switch for more than 3 seconds.



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