

[Eta-ON] DT-800 Series WPT Solution User Manual

<Contents>

-----	Overview
-----	Component
-----	How to use it
-----	Calibration
-----	Precautions
-----	Specification
-----	Statement
-----	Label

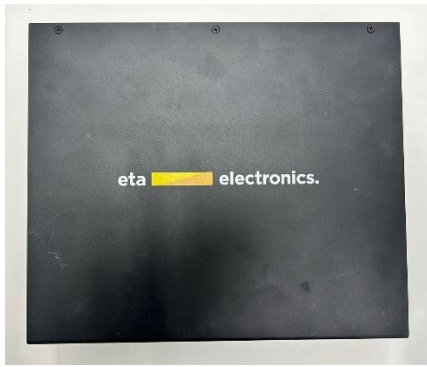
Overview

The products are intermediate power, radio power and transmitting and transmitting and receiving equipment.

- **DR-24-10 : Max 290W DC (24V – 10A)**
- **DR-36-10 : Max 420W DC (36V – 10A)**
- **DR-48-10 : Max 536W DC (42V – 10A)**

As mentioned above, we have configured the capacity to charge from the product, and now we have a robot It is used for general purposes.

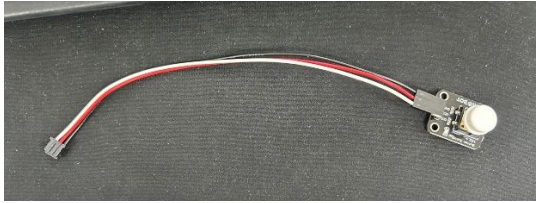
Component

TRANSMISSION PART COIL MODULE	TRANSMISSION PART CONTROL MODULE
	
RECEIVING PART COIL MODULE	RECEIVING PART CONTROL MODULE

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220V POWER , LED CABLE, RESET BUTON (automatic reset push type)	
	
POWER CABLE	LED CABLE
	
RESET BUTTON	

<TX Port>



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- ① RESET : RESET Button Connect Port
- ② LED : Statue checking LED Connect Port

<RX Port>



- ① Coil : The port that connects to the RX coil
- ② BATTERY : Battery and Charged Connection Ports

How to use it

1. Connect the Transmitter Coil Module to the Transmitter Control module.



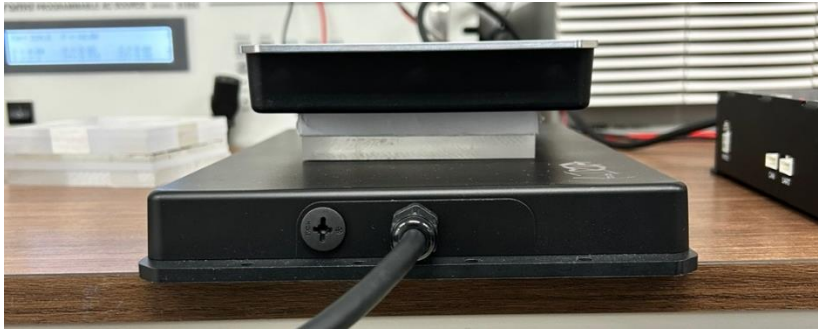
2. Connect the receiver coil module to the receiver control module.



3. After a power cable is connected to the transmitter controller module, 220 VAC power is applied.



4. When the coil modules of the transmitter/receiver come into contact with each other in a fixed position, the state of starting wireless charging is reached.

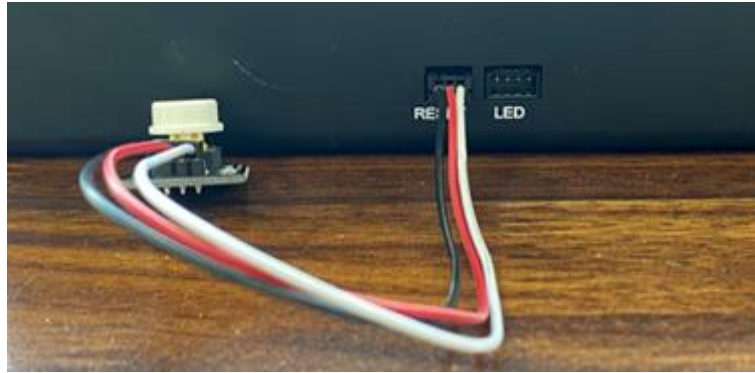


5. Proceed with Calibrations. (See below for details)
6. Wireless connection
 - ① WiFi Setting (See below for details)
 - ② LTE Setting (Provided by setting at the time of initial shipment)
7. Check the operating condition by looking at the LEDs, etc.

RED	YELLOW	Green
		
FOD Error	Waiting	Charging

Calibrations

1. If the charging environment (installation location , etc.) changes, proceed with calibration.
2. A transmission part coil module and a transmission part control mode are connected to each other, and a reception part module proceeds without the connection.
3. Connect the RESET connector of the transmitter control module to the switch.



4. Press and hold the RESET button.
5. All LED indicators are illuminated and enter calibration mode.
6. The system enters the Ready state when calibration is complete.

Precautions

- Whenever an error occurs, press the RESET button to recover.
- Please note that the receiver control module case itself is used as a radiator, and the receiver control module may get hot after charging.

Specification

Size

- TX Coil : 304.5mm X 185mm X 28mm (1,490g)
- TX Controller : 318mm X 269mm X 73mm (4,240g)
- RX Coil : 202.5mm X 135.12mm X 28mm (790g)
- RX Controller : 198mm X 104mm X 55.5mm (840g)

Input voltage

- 220V

Output voltage

- DR-24-10 : 15-29V
- DR-36-10 : 25-42V
- DR-48-10 : 38-53.6V

Frequency used

- 79 kHz ~90 kHz

Operating frequency

- 85kHz

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Usable temperature

- -20°C to 80°C

Charging range

- 20~50mm (z-axis) offset
- Max. ± 70 mm (x-axis) offset
- Max. ± 40 mm (y-axis) offset

RF spec

- WLAN: Wi-Fi 2.4 GHz only(802.11b/g/n20)
- BLE: 1 Mbps

FCC Statement

This equipment has been tested and found to comply with the limits for CLASS B digital device, pursuant to Part 15 FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. 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 correct the interference by one or more of the following measures ;

- 1.1. Reorient or relocate the receiving antenna.
- 1.2. Increase the separation between the equipment and receiver.
- 1.3. Connect the equipment into an outlet on a circuit different from that to which receiver is connected.
- 1.4. Consult the dealer or experienced radio/TV technician for help.

Caution

Changes or modifications not expressly approved by the manufacturer could void the user's

authority to operate the equipment.

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.

Exposure to Radio Frequency Radiation.

To comply with FCC's RF exposure limits for general population / uncontrolled exposure, the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

Industry CANADA Statement

This device complies with ISED's licence-exempt RSSs. 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.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be chosen so that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Le présent appareil est conforme aux CNR d' ISED applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

le dispositif ne doit pas produire de brouillage préjudiciable, et

ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d' un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radio électrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d' une communication satisfaisante

Déclaration d'IC sur l'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux radiations définies par le Canada pour des environnements non contrôlés. Cet équipement doit être installé et utilisé à une distance minimum de 20 cm entre l'antenne et votre corps

Cet émetteur ne doit pas être installé au même endroit ni utilisé avec une autre antenne ou un autre émetteur.

Label



- FCCID: 2BO6O-DT600

- IC: 33929-DT600

- KC: R-R-e-TA-DT600

