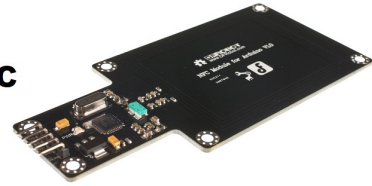


## EVAR E02WR01 NFC Module



# EVAR E02WR01 NFC Module User Manual

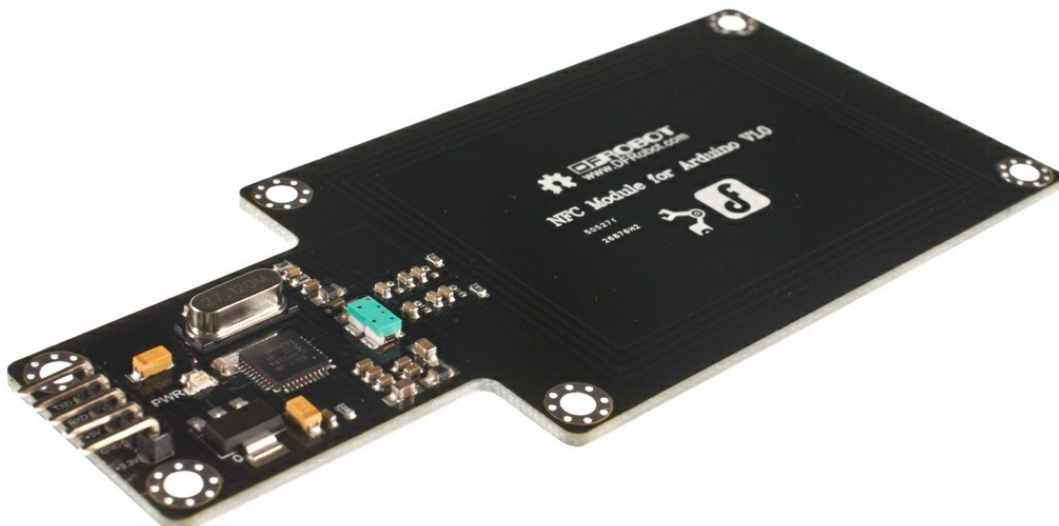
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# EVAR

## EVAR E02WR01 NFC Module



## Specifications

- **Model:** E02WR01
- **Frequency:** 13.5605MHz
- **Manufacturer:** Evar
- **Compliance:** FCC Part 15
- **Antenna:** Internal on-board antenna

## Product Usage Instructions

### 1. Installation Guidelines

Ensure the NFC Module is installed with at least a 20cm distance between the antenna and users. Do not co-locate the transmitter module with any other transmitter or antenna.

### 2. Firmware Upgrade

Use the provided software for firmware upgrades, ensuring that RF parameters remain within FCC-certified limits to prevent compliance issues.

### 3. End Product Labeling

Label the end product with “Contains FCC ID: 2BBSQ-E02WR01” in a visible area to indicate authorization for use.

## FAQ

### • Q: Can external antennas be used with the NFC Module?

A: No, external antennas are not supported. The module should only be used with the internal on-board antenna.

### • Q: What compliance testing is required for OEM integrators?

A: OEM integrators must ensure compliance with FCC regulations and may need to conduct additional testing for end-product certification.

### • Q: How can I contact technical support for the NFC Module?

A: For product inquiries and technical support, contact via email at [MCS.SALES@EVAR.CO.KR](mailto:MCS.SALES@EVAR.CO.KR) or visit the homepage at [WWW.EVAR.CO.KR](http://WWW.EVAR.CO.KR).

## VERSION HISTORY

VER.	DATE	DESCRIPTION	AUTHOR
1.0	24.04.11	DRAFT	ANNA HEO
1.1	24.04.19	Change the specifications (13.56 -> 13.5605MHz )	ANNA HEO

## Thank you for purchasing the NFC Module.

Please read this manual carefully before operating the product and make sure to understand its capabilities and limitations.

## WARNING & CAUTION

- This manual contains important instructions for installing, operating, and maintaining EVA's NFC Module (model name: E02WR01). Therefore, we ask you to keep this manual.
- Before installing or using the product, please read this manual and install it according to the instructions.

- Use the appropriate power cord recommended within the manual.
- Before use, check whether the power line and communication line are connected correctly.
- When connecting the power line, make sure that the ground within the product is properly connected.
- Avoid use in humid or fire-risk locations.
- Avoid direct sunlight, sudden temperature changes, dust, magnetic substances, etc.
- Be sure to check the product rating and precautions before use.

### **Product inquiries and technical support**

For any problems encountered when using this product, please contact the contact information below.

- **Homepage:** [WWW.EVAR.CO.KR](http://WWW.EVAR.CO.KR)
- **E-MAIL:** [MCS.SALES@EVAR.CO.KR](mailto:MCS.SALES@EVAR.CO.KR)

## **FCC STATEMENT**

### **FCC MODULAR APPROVAL INFORMATION EXAMPLES for Manual**

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.
2. This device must accept any interference received, including interference that may cause undesired operation.

### **CAUTION:**

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

### **NOTE:**

This equipment has been tested and found to comply with the limits for a Class B digital device, under Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used by 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 to correct the interference by one or more of the following measures:

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

### **FCC Radiation Exposure Statement:**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body.

### **OEM INTEGRATION INSTRUCTIONS:**

This device is intended only for OEM integrators under the following conditions:

The module must be installed in the host equipment such that 20 cm is maintained between the antenna and users, and the transmitter module may not be co-located with any other transmitter or antenna. The module shall be only used with the internal on-board antenna that has been originally tested and certified with this module. External antennas are not supported. As long as these 3 conditions above are met, further transmitter tests will not be required. However, the OEM integrator is still responsible for testing their end-product for any additional compliance requirements required with this module installed (for example, digital device emissions, PC peripheral requirements, etc.). The end product may need Verification testing, Declaration of Conformity testing, a Permissive Class II Change, or new Certification. Please involve an FCC certification specialist to determine what will be exactly applicable to the end product.

**Validity of using the module certification:**

If these conditions cannot be met (for example certain laptop configurations or co-location with another transmitter), then the FCC authorization for this module in combination with the host equipment is no longer considered valid and the FCC ID of the module cannot be used on the final product. In these circumstances, the OEM integrator will be responsible for re-evaluating the end product (including the transmitter) and obtaining a separate FCC authorization. In such cases, please involve an FCC certification specialist to determine if a Permissive Class II Change or new Certification is required.

**Upgrade Firmware:**

The software provided for firmware upgrade will not be capable of affecting any RF parameters as certified by the FCC for this module, to prevent compliance issues.

**End product labeling:**

This transmitter module is authorized only for use in devices where the antenna may be installed such that 20 cm may be maintained between the antenna and users. The end product must be labeled in a visible area with the following:

"Contains FCC ID: "2BBSQ-E02WR01".

**Information that must be placed in the end user manual:**

The OEM integrator has to be aware not to provide information to the end user regarding how to install or remove this RF module in the user's manual of the end product that integrates this module. The end user manual shall include all required regulatory information/warnings as shown in this manual.

**WARNING**

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

**CAUTION:**

Exposure to Radio Frequency Radiation.

The antenna shall be mounted in such a manner as to minimize the potential for human contact during normal operation. The antenna should not be contacted during operation to avoid the possibility of exceeding the FCC radio frequency exposure limit.

**Information for OEM Integrator**

This device is intended only for OEM integrators under the following conditions:

1. The antenna must be installed such that 20 cm is maintained between the antenna and users, and
2. The transmitter module may not be co-located with any other transmitter or antenna.


**End product labeling**

The label for the end product must include Contains FCC ID:2BBSQ E02WR01, Contains IC: 31227 E02WR01".

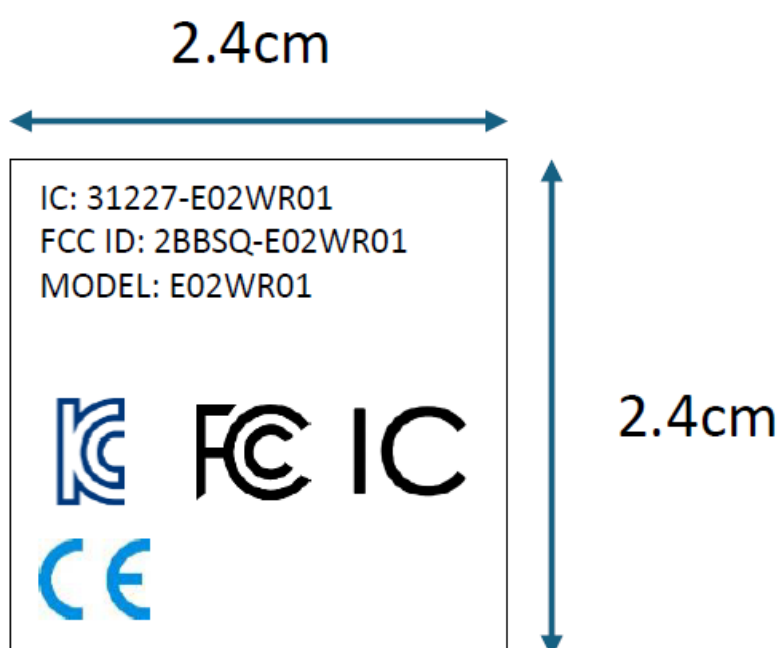
**CAUTION:**

Exposure to Radio Frequency Radiation. This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body. This transmitter module is authorized only for use in devices where the antenna may be installed such that 20 cm may be maintained between the antenna and users.

**SPECIFICATION**

MODEL NAME	E02WR01
MANUFACTURE	EVAR
INPUT RATE	5V, 30mA, 13.5605Mhz
OUTPUT RATE	3.3V, 30mA, 13.5605Mhz
OPERATING TEMPERATURE	-30°C~50°C
STORAGE TEMPERATURE	-40°C~65°C
	

## LABEL



## Guarantee

Evar Co., Ltd. provides a 2-year warranty from the date of manufacture against product failure due to defects in the materials, manufacturing, or technology of the NFC Module, assuming normal use. Any product failure that occurs within the two-year warranty period will be replaced free of charge. However, the details of the failure must be reported to Evar Co., Ltd. Customer Center by phone or email within one month of the occurrence or discovery of the product failure. We will replace products free of charge for products that have been verified and found to be defective. In case of product failure due to the user's negligence, we will repair the product at the actual cost. In this case, please notify Evar Co., Ltd.'s customer center by phone or email of the details of the failure within one month of the occurrence or discovery of the product failure, and then send it to Evar Co., Ltd.'s headquarters at the sender's expense.

## Documents / Resources

<div>NFC (MODEL NAME: E02WR01) USER MANUAL</div> <div>VERSION 1.1 2024.04.30 EVAR</div>	<div><a href="#">EVAR E02WR01 NFC Module</a> [pdf] User Manual</div> <div>2BBSQ-E02WR01, 2BBSQE02WR01, E02WR01 NFC Module, E02WR01, NFC Module, Modul e</div>
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References

-  [EVAR | EV Chargers | Korea](#) |     |     |   
-  [EVAR | EV Chargers | Korea](#) |     |     |   
- [User Manual](#)

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