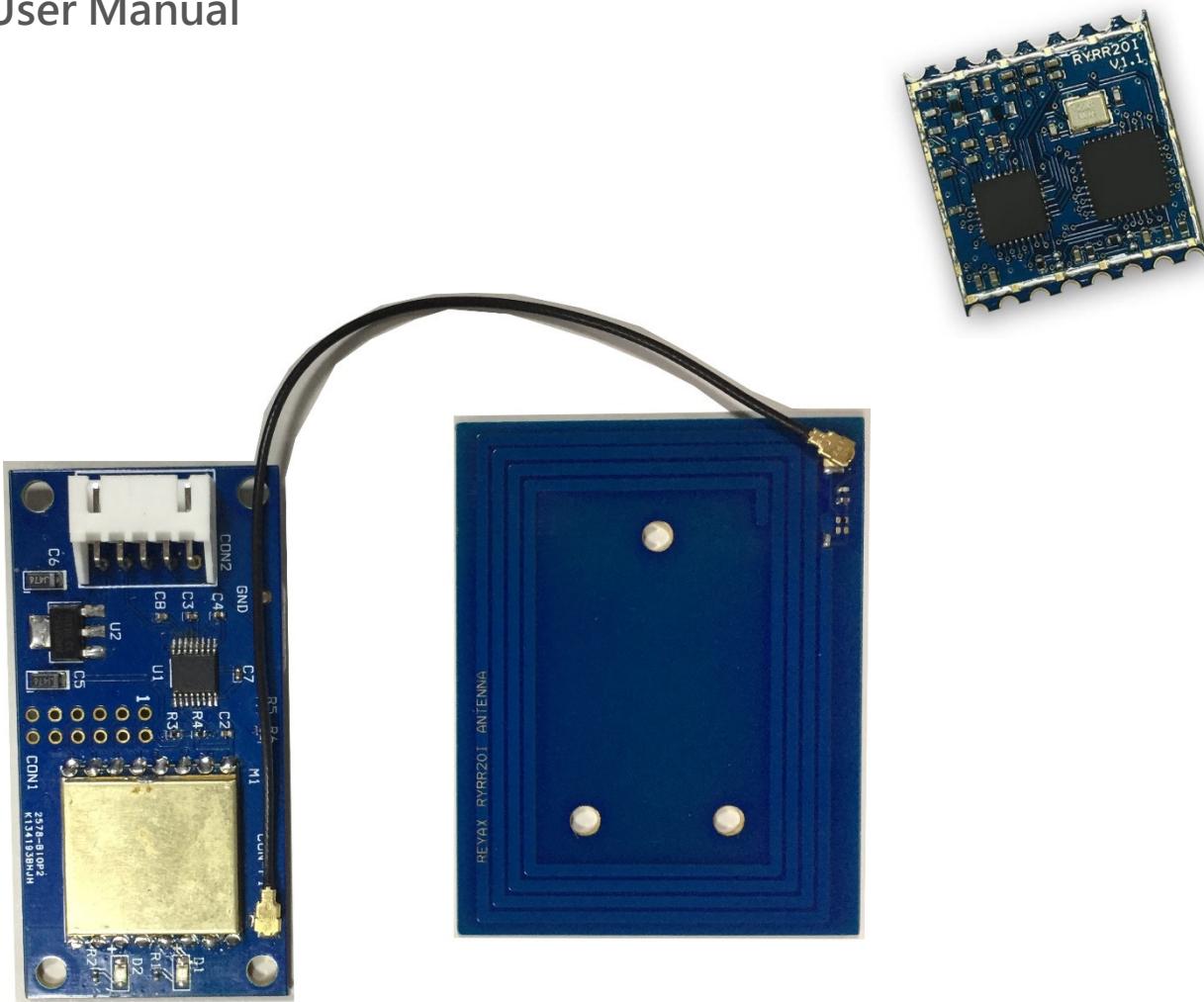


BIOPTICRR20

User Manual



Instruction description

The following are displayed in ASCII string, Baud rate 115200, 8, N, 1 red for the command, green for the reply

1. ISO14443A and ISO15693 General settings

0108000304FF0000 'Entry command mode, need to be released after booting
Command mode
010A0003041001210000 'Parameter setup
Register write request.
010C00030410002101000000 'Parameter setup
Register write request.
0109000304F0000000 'Parameter setup
AGC Toggle
0109000304F1FF0000 'Parameter setup
AM PM Toggle

2. ISO14443A Read / Write TAG memory

0109000304A0000000 'ISO14443A protocol,
14443A REQA.
14443A REQA.
[042E41E3425F1D8080,7F]

010E00030418A207AAAABBBB0000 'write data AAAAAAAA to 01 memory block
Request mode.
[]
010A0003041830070000 'write data BBBBBBBB to 02 memory block
[AAAABBBB8888000000000000000000067C8]

3. ISO15693 Read / Write TAG memory

010B000304140401000000 'ISO15693 protocol,
ISO 15693 Inventory request

[FFC7BA76500104E0,7F]

010F00030418002101AAAAAAA0000 'write data AAAAAAAA to 01 memory block
Request mode.

[00]

010F00030418002102BBBBBBBB0000 'write dataBBBBBBBB to 02 memory block
Request mode.

[00]

010B000304180020010000 'Read 01 memory block

Request mode.

[00AAAAAAAAAA]

010B000304180020020000 'Read 02 memory block

Request mode.

[00BBBBBBBB]

About

COM Port Setting

COM Port: Baudrate: StopBits: Parity:

ByteSize: Flow Control:

Command mode

Register write request.

Register write request.

AGC Toggle

AM PM Toggle

ISO 15693 Inventory request.

[FFC7BA76500104E0,7F]

Request mode.

[00]

Request mode.

[00AAAAAAA]

Request mode.

[00BBBBBBB]

Operation

DTR RTS View File Show Time

HEX String Show In HEX Send With Enter

Save Log

Command List

| <input type="checkbox"/> Choose All Commands | <input type="checkbox"/> HEX | <input type="checkbox"/> Enter | <input type="checkbox"/> Delay(mS) |
|---|------------------------------|--------------------------------|------------------------------------|
| <input type="checkbox"/> 1: 0108000304FF0000 | <input type="checkbox"/> | <input type="checkbox"/> | 1 50 |
| <input type="checkbox"/> 2: 010A0003041001210000 | <input type="checkbox"/> | <input type="checkbox"/> | 2 50 |
| <input type="checkbox"/> 3: 010C00030410002101000000 | <input type="checkbox"/> | <input type="checkbox"/> | 3 50 |
| <input type="checkbox"/> 4: 0109000304F0000000 | <input type="checkbox"/> | <input type="checkbox"/> | 4 50 |
| <input type="checkbox"/> 5: 0109000304F1FF0000 | <input type="checkbox"/> | <input type="checkbox"/> | 5 50 |
| <input type="checkbox"/> 6: 讀取ISO14443A Mifare Ultralight卡片號碼 | <input type="checkbox"/> | <input type="checkbox"/> | 6 50 |
| <input type="checkbox"/> 7: 0109000304A0000000 | <input type="checkbox"/> | <input type="checkbox"/> | 7 50 |
| <input type="checkbox"/> 8: 寫入AAAAABBBB到Block 07的記憶體, 其 | <input type="checkbox"/> | <input type="checkbox"/> | 8 50 |
| <input type="checkbox"/> 9: 010E00030418A207AAAABBBBB0000 | <input type="checkbox"/> | <input type="checkbox"/> | 9 500 |
| <input type="checkbox"/> 10: 連續讀取4個Block記憶體, 從Block 7開始 | <input type="checkbox"/> | <input type="checkbox"/> | 10 500 |
| <input type="checkbox"/> 11: 010A0003041830070000 | <input type="checkbox"/> | <input type="checkbox"/> | 11 |
| <input type="checkbox"/> 12: 讀取ISO15693卡片號碼 | <input type="checkbox"/> | <input type="checkbox"/> | 12 50 |
| <input type="checkbox"/> 13: 010B000304140401000000 | <input type="checkbox"/> | <input type="checkbox"/> | 13 50 |
| <input type="checkbox"/> 14: 寫入AAAAAAA到Block 01的記憶體, 其 | <input type="checkbox"/> | <input type="checkbox"/> | 14 |
| <input type="checkbox"/> 15: 010F00030418002101AAAAAAA0000 | <input type="checkbox"/> | <input type="checkbox"/> | 15 |
| <input type="checkbox"/> 16: 寫入BBBBBBBB到Block 02的記憶體, 其 | <input type="checkbox"/> | <input type="checkbox"/> | 16 |
| <input type="checkbox"/> 17: 010F00030418002102BBBBBBB0000 | <input type="checkbox"/> | <input type="checkbox"/> | 17 |
| <input type="checkbox"/> 18: 讀取Block 01的記憶體, 其中字串01代表 | <input type="checkbox"/> | <input type="checkbox"/> | 18 |
| <input type="checkbox"/> 19: 010B000304180020010000 | <input type="checkbox"/> | <input type="checkbox"/> | 19 |
| <input type="checkbox"/> 20: 讀取Block 02的記憶體, 其中字串02代表 | <input type="checkbox"/> | <input type="checkbox"/> | 20 |
| <input type="checkbox"/> 21: 010B000304180020020000 | <input type="checkbox"/> | <input type="checkbox"/> | 21 |
| <input type="checkbox"/> 22: | <input type="checkbox"/> | <input type="checkbox"/> | 22 |
| <input type="checkbox"/> 23: | <input type="checkbox"/> | <input type="checkbox"/> | 23 |
| <input type="checkbox"/> 24: | <input type="checkbox"/> | <input type="checkbox"/> | 24 |
| <input type="checkbox"/> 25: | <input type="checkbox"/> | <input type="checkbox"/> | 25 |
| <input type="checkbox"/> 26: | <input type="checkbox"/> | <input type="checkbox"/> | 26 |
| <input type="checkbox"/> 27: | <input type="checkbox"/> | <input type="checkbox"/> | 27 |
| <input type="checkbox"/> 28: | <input type="checkbox"/> | <input type="checkbox"/> | 28 |
| <input type="checkbox"/> 29: 0000 | <input type="checkbox"/> | <input type="checkbox"/> | 29 |

Load Test Script

Delay Time(mS): 2000

FCC 警語

15.19

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.

15.105

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to 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 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 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 receiver.
- Connect the equipment into 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.

15.21

Any changes or modifications not expressly approved by the party responsible for compliance could void the authority to operate equipment.

This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

For product available in the USA/Canada market, only channel 1~11 can be operated. Selection of other channels is not possible

Modular Approval

OEM INTEGRATION INSTRUCTIONS:

This device is intended only for OEM integrators under the following conditions: 1) The module must be installed in the host equipment 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. As long as 2) conditions above are met, further transmitter test 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.).

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

IMPORTANT NOTE:

In the event that these conditions can not 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.

USERS MANUAL OF THE END PRODUCT:

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 which integrates this module. The end user manual shall include all required regulatory information/warning as shown in this manual.

LABEL OF THE END PRODUCT:

The final end product must be labeled in a visible area with the following " Contains TX FCC ID: **2AUQB-STMB003-B** ". The following FCC part 15.19 statement has to also be available on the label: This device complies with Part 15 of 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.



info@bioptic.com.tw

<https://www.bioptic.com.tw>