

MTI RU-888-1 RFID USB Dongle

User Manual Version 5.0

MTI Group Proprietary Information

Content

- 1. User Set Up
- 2. Start Demo SW
- 3. Advanced Reader Setting
- 4. Inventory Run
- 5. Advanced Tag Setting

| 台揚集團智慧財產 任何未經授權還予複製、重製、公開或使用本文之行為,將被視為侵害 台楊集團之智慧財產權,將可因此負擔法律責任。 | MTI Group Proprietary Information Any unauthorized use, duplication, reproduction, or disclosure of this document may be considered as infringement of MTI Group's intellectual property rights, the infringer may be accused and liable applicable legal penalties. |
|---|---|
|---|---|

MTI Group Proprietary Information 台揚集團智慧財產Any unauthorized use, duplication, reproduction, or disclosure of this document may be 任何未經授權還予複製、重製、公開或使用本文之行為,將 被視為侵害 considered as infringement of MTI Group's intellectual property rights, the infringer may 台揚集團之智慧財產權,將可因此負擔法律責任。

Page 4 of 11

1. User Set Up

Once you get this product, you just connect MTI USB Dongle directly to your electrical

products with USB and download the Demo SW from our CD.



台揚集團智慧財產

任何未經授權還予複製、重製、公開或使用本文之行為,將被視為侵害 台揚集團之智慧財產權,將可因此負擔法律責任。

Please must plug two connectors once the output power is up 17dBm.

2. Start Demo DW

2.1 Double click the icon as in Fig.1



Fig.1

2.2 Plug Antenna and USB cable you could see the Demo SW shown Online as in

Fig.2

| Control View Help | | | | | | |
|-------------------------------|----------------------------------|------------------------------------|--------|----|--------|------------|
| AS399y Deader Suite | | | | | | |
| ASSSSX Reader Suite | | | | | | |
| All Readers - MTI 00-00-00-01 | | | | _ | | |
| Reader | Hardware | Software | Action | HB | State | |
| 😑 🚥 MTI 00-00-00-01 | MTI RU-888 RFID Module H/W v0.01 | MTI RU-888 RFID Module F/W v0.1.05 | Idle | | Online | |
| 🗟 🚺 Reader Information | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | Control 1 |
| scan | | | | | | Controll |
| Start Scan for 120 📚 seconds | | | | | 0 s | Clear Tags |
| | | | | | | |

Fig.2

台揚集團智慧財產 任何未經授權還予複製、重製、公開或使用本文之行為,將被視為侵害 台楊集團之智慧財產權,將可因此負擔法律責任。

3. Inventory Run

3. 1 Please press "Start Scan" to start the inventory run as shown in Fig.3 and Fig.4.



Fig.4

| 口物木団日志別圧 | 台揚 | 集團 | 智慧 | 財產 |
|----------|----|----|----|----|
|----------|----|----|----|----|

任何未經授權還予複製、重製、公開或使用本文之行為,將被視為侵害 台揚集團之智慧財產權,將可因此負擔法律責任。

4. Advanced Tag Setting

4.1 Please right-click on the tag that you would like to change the setting as

| Reader | | Hardware | Software | Action | HB State | |
|---|-----------------------|--|--------------------------|-----------------------|----------|--|
| Reader Information Different Tags Read Count Reads per Second | | MTI RU-IBBI RFID Module H, 1 445 15.614 | W ¥0.01 MTT RU-888 RHD M | dule f/W v0.1.05 Idle | A. C. T. | |
| Read Count: Ress: | Advanced Tag Settings | 445 (@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@ | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Fig.5

4.2 You could set EPC, Password, Lock, or Kill the selected tag in this window as



Fig. 6

| I | |
|---|-------------------------------|
| | 台揚集團智慧財產 |
| | 任何未經授權還予複製、重製、公開或使用本文之行為,將被視為 |

任何未經授權還予複製、重製、公開或使用本文之行為,將被視為侵害 台揚集團之智慧財產權,將可因此負擔法律責任。

4.3 Option function : Memory Bank Read/Write Function. You could read

Reserved, EPC, TID, and User Bank at Memory Column. Choose the one you would like to

know the information and press the Read Button as shown in Fig.9.

| Control View Help | | |
|---|---|-----------------|
| MTI Reader Suite | Con2 - Advanced Tag Settings | |
| Reader | | Action HB State |
| Image: Mill 00-00-00-01 Image: Provide the second | Red: DEPERTURPERTURPERTUrPERTURPE | de (CAN) |
| | | |
| scan | OK | Controll |
| Start Scan for 120 📚 seconds | ······ | 120 s |

Fig. 7

a. You could see this kind of picture as in Fig. 8 if MTI module could get complete

information from the tag.

台揚集團智慧財產

任何未經授權逐予複製、重製、公開或使用本文之行為,將被視為優害 台楊集團之智慧財產權,將可因此負擔法律責任。

| TI Paadar Suita | El Cen2 - A | Ivanced Tag | Settings | | | | | 2 🛛 | 1 | | | |
|---|-------------|---|---|--|---|---|---|-----------------------------------|----------------|----|------|--|
| All Readers - MTI 00-00-001 | | A | dva | nce | d Tá | ıg S | Set | tings | | | | |
| alir Reader Information 00-00-00-00-00-00-00-00-00-00-00 Reader Information Reader Information Reade | | EPC: Readedd Informa Maanfr Model Uawr M Francho Sat Mannor Read fi Sat Mannor Read fi 1 a 3 11 3 11 6 11 | 500 seture: Number: emory Size- BPC KB | 22-22-2 Alim 0x00 - Tobi 5 C 02 03 as as 11 11 11 11 11 11 Access Parence 5 - OK | 22-22-22 MTI 00-0 Fethoology 412 Bank Time at : 9172(mt) K 0 0 0 0 0 0 0 11 1 | 22-22-22 0-00-01 3 5 64 5 64 11 11 11 11 11 11 11 11 11 1 | 2 22 22 22 22 22 22 22 22 22 22 22 22 2 | Refeath Refeath REF Command | Action (die | HB | Zhie | |



b. You could see this kind of picture as in Fig. 9 if MTI module couldn't get complete

| information from the | e tao | |
|--|--|---------|
| Control View Help | | <u></u> |
| MTI Reader Suite | Advanced Tag Settings Advanced Tag Settings | |
| Reader | EPC: 22-22-22-22-22-22-22-22-22-22-22-22-22- | |
| 🖻 🚥 MTI 00-00-001 | Readerid: MTI 00-00-001 | |
| Reader Information Point Reader Information Read Count: Resolution Resolution Reader Count: Resolution Resolution Reader Count: Resolution Resolution | Manufacture: Alien Technology Manufacture: Dx000412 User Memory Size: - Functions Stead Memory Bank Time KIII Nemory NKII NEmory CK 12 Bytes 00 01 02 03 04 05 05 07 Read aa 2 11 11 11 11 11 11 11 11 11 11 11 11 11 11 | |
| Start Soon for 120 amondo | | Tom |
| SELL SCALL TOL 120 - SECONDS | | Taff2 |

Fig. 9

4.4 Please read user bank if you would like to write any information into user bank.

Write the information into the byte you would like to modify and press Set button as shown in

| MTT Deader Cuite | 📓 Gen2 - Advan | and Tag Sr | Itings | | | | | | | 2 | 3 | | | |
|--|----------------|---|--|---|--|---|--|---|--------------------|-------------|-----------------|---|----|-------|
| MTI Reader Suite All Readers MTI 00-00-00-01 Reader MTI 00-00-00-01 Reader Preader Information Reader Information Preader occut: Reader Information Preader occut: | | A C EFC: [Information Menufactu Model Nuu Uuer Menu Functions | IV nc aber ny San | 22-22 [A [0] | ed -22-22 M an Techo 000412 | Ta 22-22-2 11 00-00 | 9 9 22-22-2 0-00-01 | Se 12 - 22 - 2 1 | tti 2-22 | ngs | Action I die | | HB | Zinis |
| | | Set EP Memory Read from 00 1 99 2 99 3 11 4 11 5 11 6 11 Read | Back [01 99 11 11 11 11 11 11 11 11 | et Passwor 02 999 9 11 1 11 1 11 1 11 1 11 1 14 1 15 ccem Fa | M 03 0 999 111 111 111 111 111 111 | enery Sie 1005 111 111 111 111 111 111 11 | e: 64 06 99 11 11 11 11 11 00-00 | E Bytes 07 99 11 11 11 11 | | Read Zet | |] | | |
| 2mm | | | | | | | | | | OK | _ | | | 120.4 |

Fig. 10 GUI would shown pass message as shown in

| MTI Reader Suite | 😹 Gen2 - Advanced Tag Settings 🔹 🔹 🔀 |
|--|---|
| All Readers - MTI 00-00-00-01 | Advanced Tag Settings |
| Reader Reader MI100-00-00-01 | EC: 22-22-22-22-22-22-22-22-22 Artion HB Date Reeledt M11 00-00-00-01 fdite Marce Marce |
| ■ 00-00-00-00-00-00-00-00-00-00-00-00-00- | Laternamedia Measurement Allen Technology Refamily Model Number: 0x000412 User Memory Size: Effective Functional State State State State Kill WKP Commonal Meaning Other State Other State Kill WKP Commonal Meaning Other State Other State Read Meaning Other State Other State Event Meaning Other State Other State Other State Meaning Other State Other State Other State |



MTI Group Proprietary Information 合揚集團智慧閉產 Any unauthorized use, duplication, reproduction, or disclosuler of this down and the discrete the set of t

FCC Warning statement

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.

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

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

FCC RF Radiation Exposure Statement:

- 1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
- 2. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.

FCC RF Radiation Exposure Statement:

- 1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
- 2. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This device was tested for operations with the device contacted directly to the human body to the back side of the Phantom. To maintain compliance with FCC RF exposure compliance requirements, avoid direct contact to the transmitting antenna during transmitting.