Registration Device User Manual

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I. Installation

1. Registration Device Hardware Specifications

Hardware	Spec
POWER	DC12V / 10A
COMM	TCP/IP

2. User Program System Requirement

System	Requirement
OS	WindowsCE 6.0

※ Registration device and user program will be updated automatically.

I.   Registration Device (A)

1. Registration Device Practice

When registration device program is on, following display appears. After network check, when you click on the following display, it proceeds to registration device's main display.

CEYON TELLINVENTORY CO.,LTD.

Reel Register

Checking the status of the network.
Please wait a moment.

CEYON TELLINVENTORY CO.,LTD.

Reel Register

To start the program, touch the screen.

I.　　Registration Device (A)

2.　Main Display

This is a main display when using the original barcodes. When you touch the Manu box you wish to proceed, it moves to the next screen accordingly.
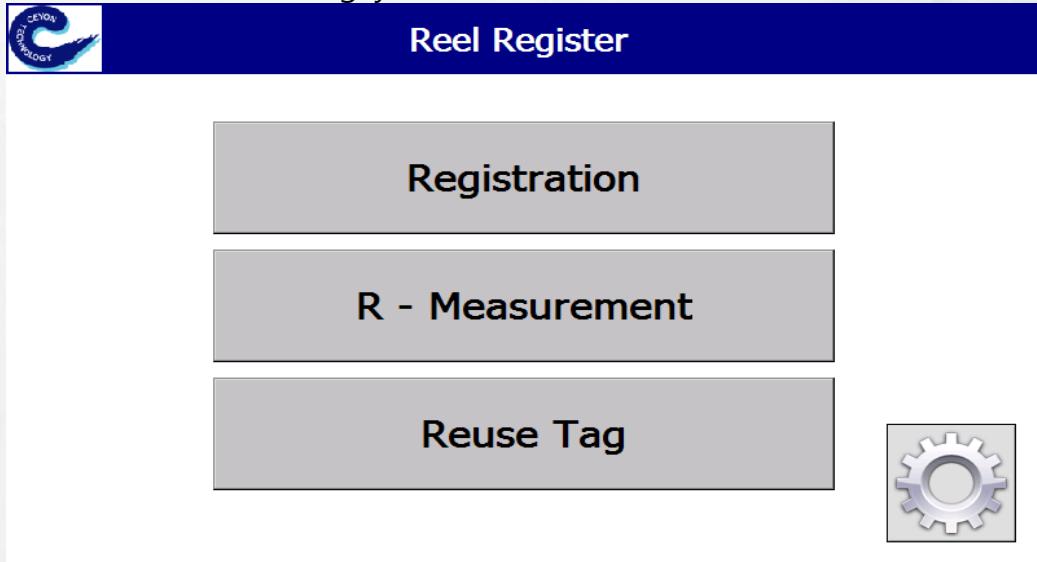
Reel Register

Registration

R - Measurement

Reuse Tag

※ **Configuration precautions - After minimum set up is completed, you may use without further change.**

- Registration : when registering information of stick or reel

- R-Measurement : when measuring reel's remaining amount

- Reuse Tag : when initializing published tags

- Configuration : communication setting of registration device program

I.   Registration Device (A)

3. Register

Click on the reel type of your choice and its material registration screen will appear.
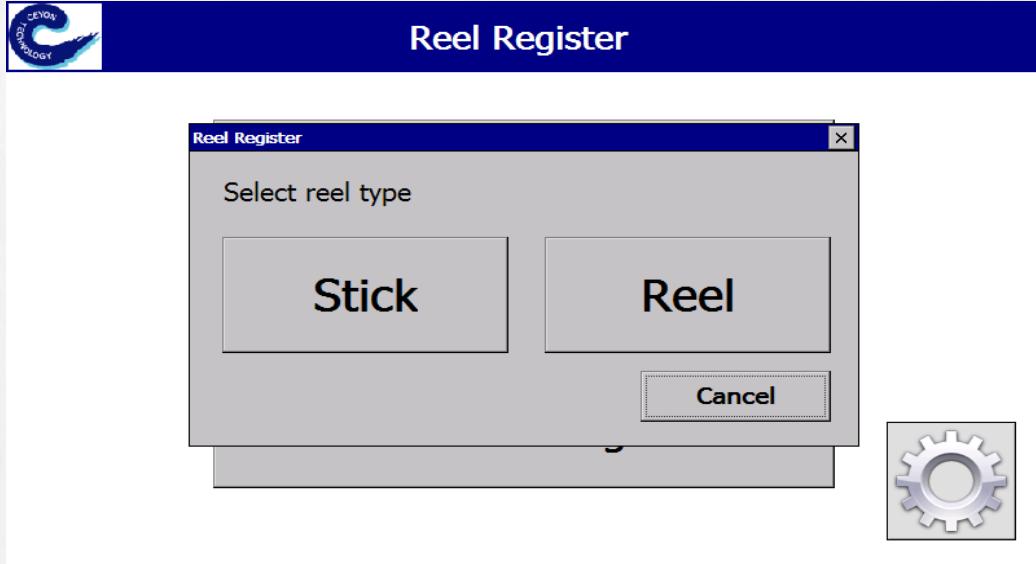
- Stick : when material is in stick shape

- Reel : when material is in reel shape

- Cancel : go to main display

I. Registration Device (A)

3.1 Stick Information Registration

- **How to register stick information**

1) Plug in an initialized tag into a stick, and put in a registration device.
2) After identifying the barcode, its information will be displayed.

   a. When registering a new barcode
       → After clicking on "Confirm", P/N Info display will be vitalized. Put in MOQ and select product it em, and when you click on "Complete", registration is completed.

   b. When a barcode is already registered
       → It will show as "Registered" on status, and remaining amount entering window will appear. After entering remaining amount, click on "OK" button and the registration is completed.

3) When "Remove" message appears, remove the stick and you may measure by inserting the other stick.
4) You may go back to the main display by clicking on home button.

I. Registration Device (A)

▪ **Stick information registration (example display of a new barcode registration)**
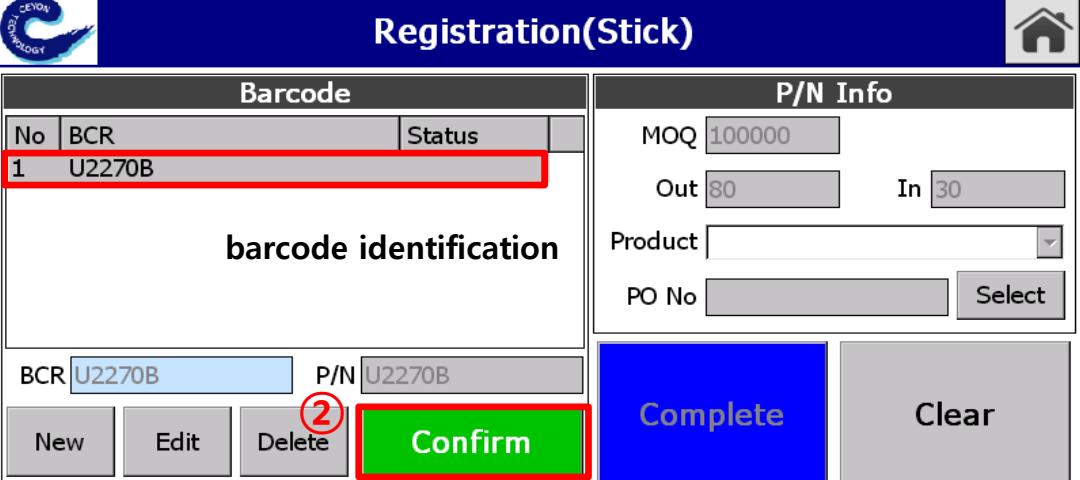
Choose the barcode think that Part No.
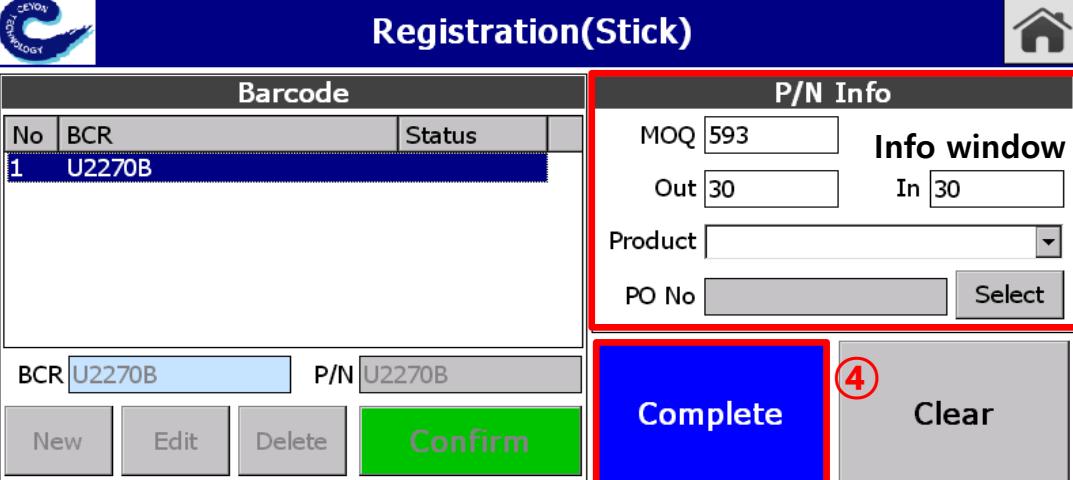
Please input reel information. If you finish input, press the reset button or press the 'complete' button on the screen
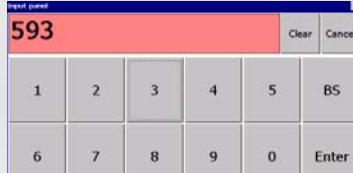
P/N Info input example

I. Registration Device (A)

3.1.1 Stick Information Registration Exceptions

I. **When barcode is damaged and incapable of auto registration**
    When barcode is not attached

Register by manually entering the barcode information. On registration display, touch on "NEW" for manual input and you may also modify or delete the barcode information. (Re-attaching barcode is highly recommended.)
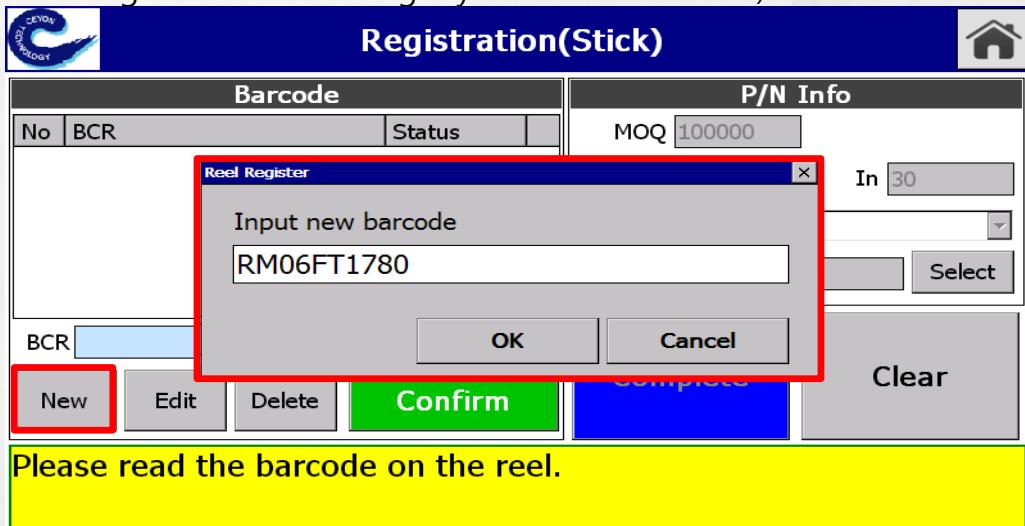
II. **When not all of P/N Info is entered**

When manually entering P/N Info, please do not miss any information.
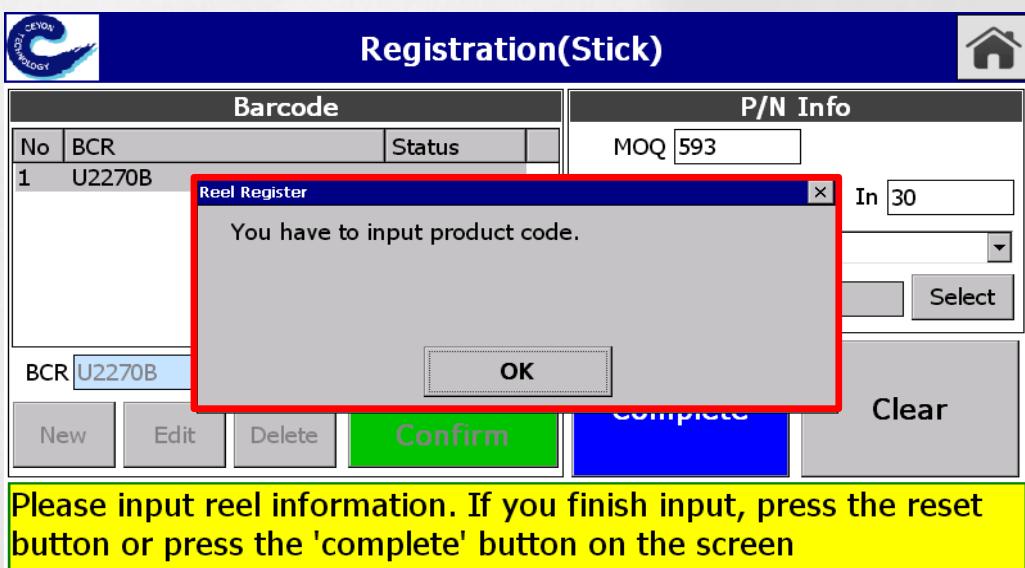
I. Registration Device (A)

3.1.1 Stick Information Registration Exceptions

III. When tag reading is failed

This is a display when it fails to read the tag.
   a. Remove stick from the registration device and plug bac k in.
   b. When the error continues after procedure I, attach a new tag and try again.

IV. When a stick with a registered tag is inserted

When you insert a stick with a tag that is already registered, you can modify its residual quantity. Pleas refer to the next page. (Refer to Manual 3.1.2)
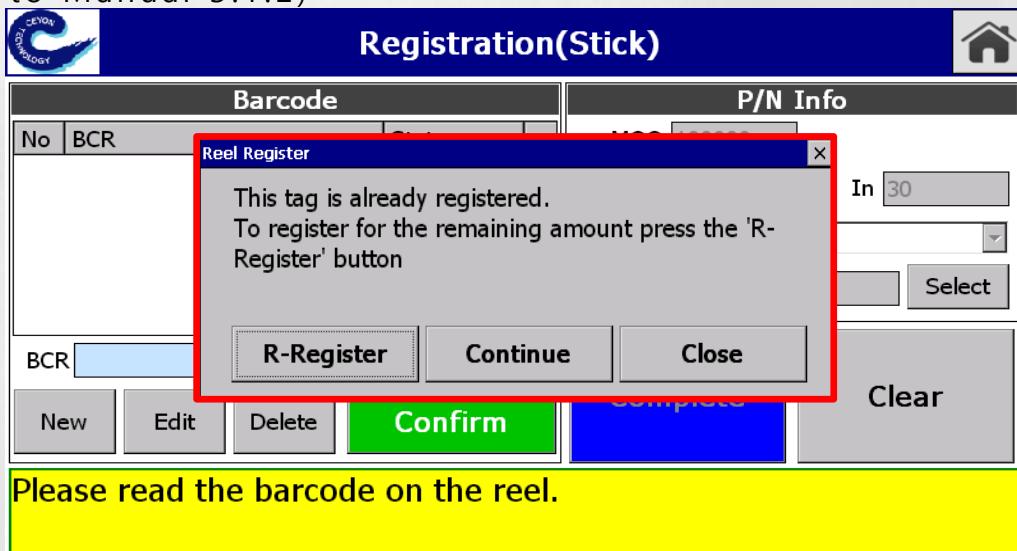
3.1.2 Remaining Amount Modification of Stick

- **How to modify remaining amount of a stick**

  1) Insert a stick with a registered tag into a registration device.
  2) When a pop-up message saying " This tag is already registered" appears, click on "R-Register" button.
  3) After entering the remaining amount, click on "Enter " and "Ok" in order and it will be updated.

3.2 Reel Information Registration

- **How to register reel information**

  1) Plug in an initialized tag into a reel, and put in a registration device.
  2) After identifying the barcode, its information will be displayed.

     a. When registering a new barcode
        →After clicking on "Confirm", P/N Info display will be vitalized. Put in MOQ and select product item, and when you click on "Complete", registration is completed.

     b. When a barcode is already registered
        →It will show as "Registered" on status, and after measuring, the barcode's information will be automatically saved.
  3) When "Remove" message appears, remove the reel and you may measure by inserting the other reel.
  4) You may go back to the main display by clicking on home button.

I. Registration Device (A)

- **Reel information registration(example display of a new barcode registration)**

Registration(Reel)

No	BCR	Status	
① 1	3206187K0LRM06FT1780		

Barcode identification

P/N Info
MOQ 100000
Out 75   In 30
Product
PO No   Select

③ **Info window vitalization**

BCR 3206187K0LRM06F   P/N 3206187K0LRM06F

New   Edit   Delete   ② **Confirm**   **Complete**   ④   **Clear**

Please input reel information. If you finish input, press the reset button or press the 'complete' button on the screen

593
1 2 3 4 5 BS
6 7 8 9 0 Enter
Clear Cancel

P/N Info input example

- **Reel information registration (example display of a registered barcode)**

Registration(Reel)

No	BCR	Status	
① 1	RM06FT1780	Registered	

Barcode identification

P/N Info
MOQ 5000
Out 80   In 30
Product Resistor
PO No   Select

BCR RM06FT1780   P/N RM06FT1780

New   Edit   Delete   Confirm   Complete   Clear

② Registration is complete. Remove the reel.

Registration complete. You may remove the reel.

3.2.1 Reel Information Registration Exceptions

I.   **When barcode is damaged and incapable of auto Registeration**

When barcode is not attached

Register by manually entering the barcode information. On registration display, touch on "NEW" for manual input and you may also modify or delete the barcode information. (Re-attaching barcode is highly recommended.)

II. **When a reel with a registered tag is on**

A message saying "This tag is already registered" will appear. (**Refer to Manual 5.7** for tag reuse (initialization))
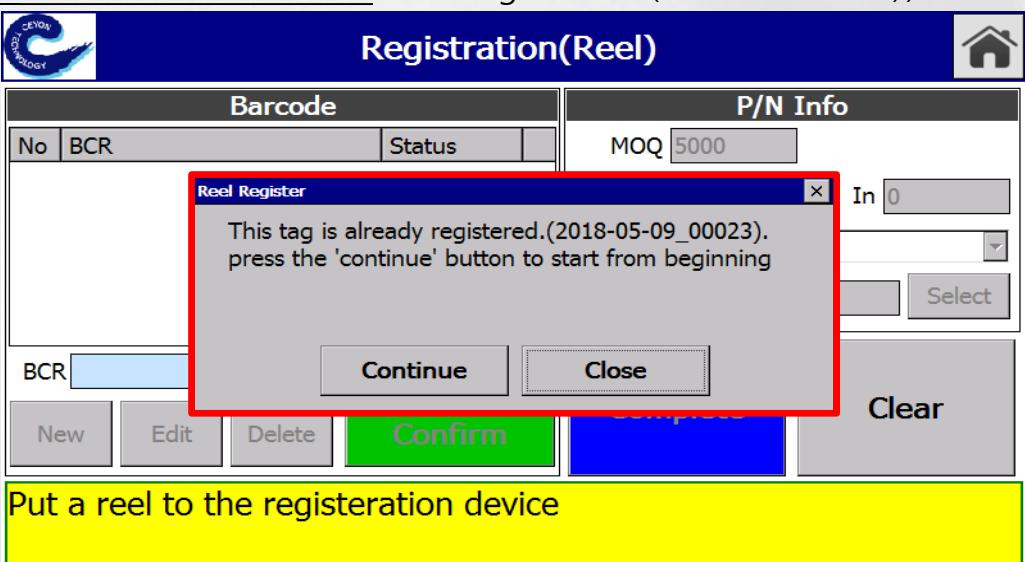
I. Registration Device (A)

3.2.1 Reel Information Registration Exceptions

III. When tag reading is failed

This is a display when it fails to read the tag.

a. Remove reel from the registration device and plug back in.
b. When the error continues after procedure I, attach a new tag and try again.

I. Registration Device (A)

3.2.2 When registering reel, select manufacturer P/N barcode

I. When there is only one barcode information registered,
➡️ It is set as a main P/N barcode.

II. When there is multiple barcodes information registered,
➡️ After **selecting manufacturer P/N barcode,**
Click on "Confirm" and P/N Info window will be vitalized.

After insert MOQ and selecting product, click on "Complete" and barcode information registration is completed.

I.   Registration Device (A)

3.2.3 When registering reel, P/N's initial information insertion and saving

➢ **Tools when registering new manufacturer P/N**

(Registered manufacturer P/N will appear as "Registered" on status, but new manufacturer's P/N barcode will appear as blank o n status.)

Registration(Reel)

Barcode		
No	BCR	Status
1	+GRM1885C1H00004000	

BCR +GRM1885C1H000   P/N +GRM1885C1H000

New   Edit   Delete   Confirm

P/N Info
MOQ 4000
Out 80   In 30
Product
PO No   Select

Complete   Clear

Please input reel information. If you finish input, press the reset button or press the 'complete' button on the screen

▪ **How to insert and save P/N Info**

1) Plug in an initialized tag into a reel, and put in a registration device.
2) After identifying the barcode, its information will be displayed.
3) New P/N will appear as black on Status, and after checking the barcode number, click on "Confirm."
4) P/N Info will be vitalized. Insert MOQ and select product.
5) Click on "Complete" and product registration is completed.

I.   Registration Device (A)

4. Remaining Amount Measurement

This is a display to measure reel's remaining amount.

R – Measurement

Tag Info	P/N Info
TID 2018-05-09_00023	MOQ 5000
P/N _NewC1007	Product
	PO No
Remaining amount	
5000	**Measure**

Press the 'Measure' button to start the measurement.

R – Measurement

Tag Info	P/N Info
TID 2018-05-09_00023	MOQ 5000
P/N _NewC1007	Product
	PO No
Remaining amount	
4500	**Measure**

Remaining amount measurement completed.
Remove the reel.

- **How to measure remaining amount of the reel**

1) When you put a reel on a registration device, its information will be displayed on screen.
2) By pressing on "Measure"(or green button), you can measure reel's remaining amount.
3) After remaining measurement is completed, when "Re move" message pops up, you may removed the reel.
4) You may go back to the main display by clicking on home button.

I. Registration Device (A)

4.1 Remaining Amount Measurement Exceptions

This is a display when it cannot read a tag while measuring reel's remaining amount.

1) After checking tag's location, click on "Measure" again.
2) When the measurement works successfully, "Tag Info" will be displayed.
3) You may go back to the main display by clicking on home button

5. Tag Reuse

This is a display of initializing a registered tag. (Capable up to maximum 8 simultaneously)

1) When you put on a tag you wish to reuse, the reader will read the tag.

  I. When it's a new or initialized tag
      It appears as "Initialized" on "State."

  II. When it's a registered tag
      When it appears as "Read" on "State",
      Click on "Initialize RFID Tag." When initialization
      is completed, it will change to "Initialized."

2) When it shows "Completed" message on bottom of the page, remove tag.
3) You may go back to main display by clicking on home button
   .
   • Initialized : when it's initialized
   • Read : when the tag is read
   • Fail : when it failed to initialized the tag

I.   Registration Device (A)

5.1 Tag Reuse Exceptions

This is a display when tag initialization was not successful.
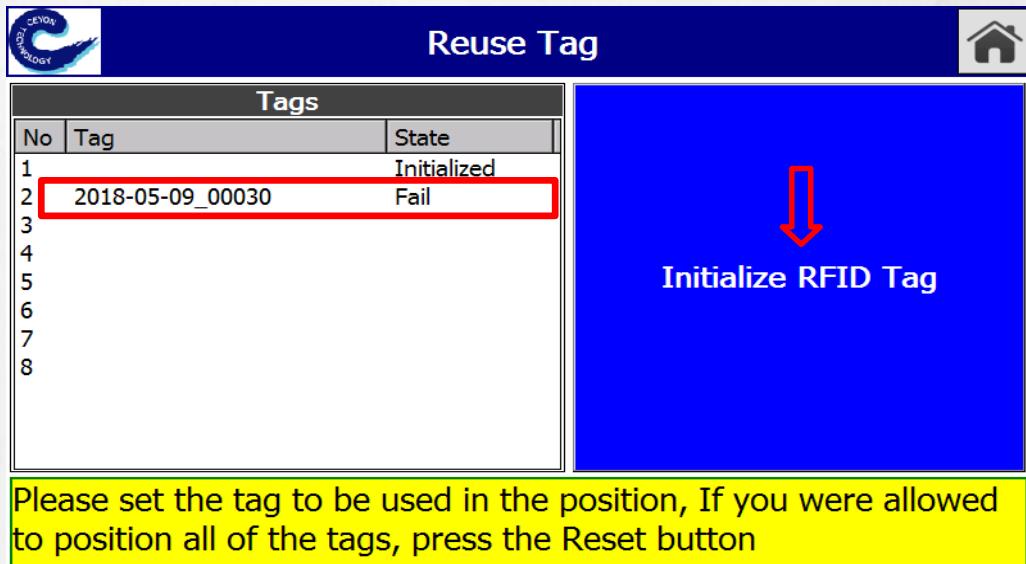
1) After checking tag's location, click on "Initialize RFID Tag" again.
2) When re-initialization is successful, it will appear as "Initialized" on State" and tag initialization will be successfully completed.
3) You may go back to main display by clicking on the home button.

- Initialized : when it's initialized
- Read : when the tag is read
- Fail : when it failed to initialized the tag

B. When managing its own P/N codes

I.   Registration Device (B)

1. Registration Device Practice

When registration device program is on, following display appears.
After network check, when you click on the following display,
it proceeds to registration device's main display.

CEYON TELLINVENTORY CO.,LTD.

Reel Register

Checking the status of the network.
Please wait a moment.

CEYON TELLINVENTORY CO.,LTD.

Reel Register

To start the program, touch the screen.

I. Registration Device (B)

2. Main Display

This is a registration device's main display when managing its P/N code.
When you touch the Manu box you wish to proceed, it moves to the next screen accordingly.
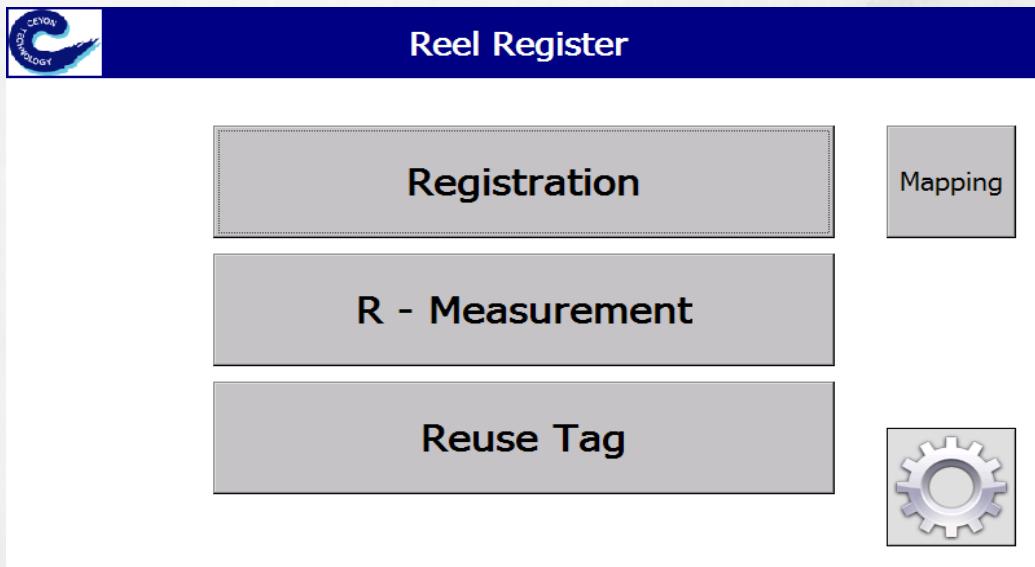
※ **Configuration precautions - After minimum set up is completed, you may use without further change.**

- Mapping : when the user manages its own userP/N

- Registration : when registering information of stick or reel

- R-Measurement : when measuring reel's residual quantity

- Reuse Tag : when initializing published tags

- Configuration : communication setting of registration device program

I.   Registration Device (B)

2. Main Display

After touching "Registration", select the reel type of your choice and its material registration screen will appear. (Proceed mapping first.)
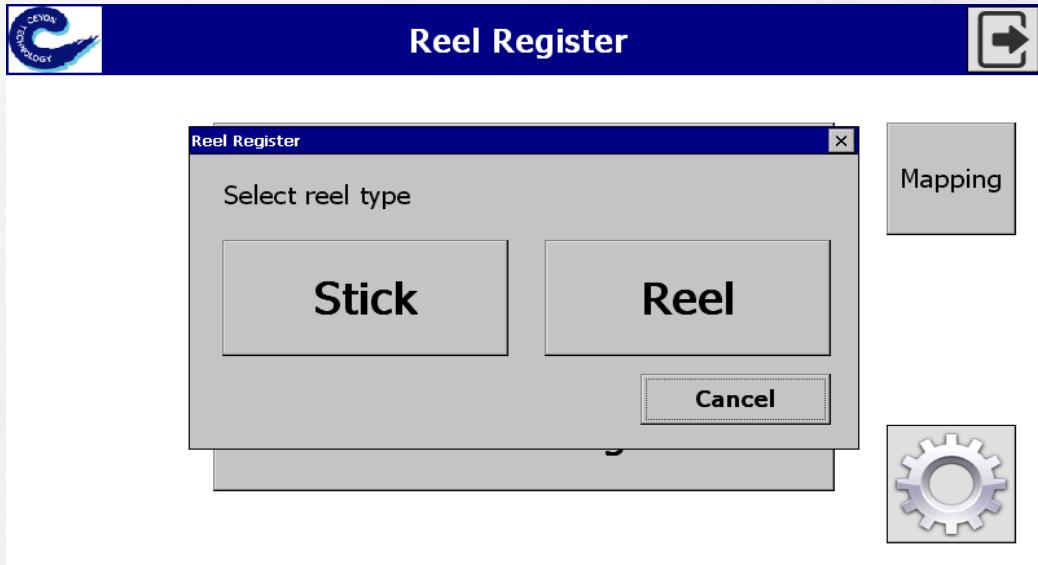
- Stick : material is in stick shape

- Reel : material is in reel shape

- Cancel : Go to main display

Registration Device (B)

3. Mapping

When the user manages its own userP/N, it applies as options.
According to the following, user **1)manually registers**, **2)registered on Microsoft Excel in a lump**.(Refer to Manual 4 10.1)

Multiple parts can be registered under one USERPN(1:N)

① ② ③

	P/N Mapping	
Barcode		**P/N Info**

USERPN A-0059

No	BCR	Status
1	+GRM1885C1H00004000	Registered

MOQ 4000

Out 95   In 30

Product

BCR +GRM1885C1H000   P/N +GRM1885C1H000

New   Edit   Delete   Confirm   Clear

Mapping is complete. To start from the beginning, press the reset button or press the 'clear' button on the screen.

▪ **How to map**
Plug in an initialized tag into a stick or a reel, and lay on a registration device.

1) After identifying USERPN barcode, identify original P /N barcode.
   I. **For initial mapping**
There is a blank under "Status", and when you press on "Confirm", a message appears saying that mapping is complete.

   II. **When mapping is already complete**
It appears as "Registered" under "Status, and shows a message saying "Already mapped."

3) You can start a new mapping by clicking on "Clear." You may go back to main display by clicking on home button.

I. Registration Device (B)

4.1 Stick Information Registration

Registration(Stick)

Barcode		P/N Info	
① USERPN A-0114	② MCR01MZPEJ330O ▼	MOQ 100000	
	MCR01MZPEJ330O	Out 80	In 30
No BCR	U2270B	Product ▼	
		PO No	Select
BCR	P/N	**Complete**	**Clear**
New Edit Delete	**Confirm**		

Please read the barcode on the reel.

1) Plug in an initialized tag into a stick, and insert in a registration device.
2) After identifying USERPN barcode, P/N barcode list mapped on its USERPN will appear on the side.

Registration(Stick)

Barcode		P/N Info	
USERPN A-0114	U2270B ▼	MOQ 593	
No BCR	Status	Out 30	In 30
③ 1 U2270B	Registered	Product ▼	
		PO No	Select
BCR U2270B	P/N U2270B	**Complete**	**Clear**
New Edit Delete	**Confirm**		

The registration of the Part No.

3) After selecting a P/N barcode, when you identify the original barcode, a window to insert the remaining amount will appear.

I. Registration Device (B)

4.1 Stick Information Registration

Registration(Stick)

Barcode	P/N Info

USERPN A-0114   U2270B   MOQ 593

No	BCR
1	U2270B

Reel Register ×

Input remaining amount

0

OK   Cancel

④ In 30

Select

Clear

BCR U2270B

New   Edit   Delete   Confirm   Complete

During the remaining amount measurement.

MOQ input example

593   Clear Cancel

| 1 | 2 | 3 | 4 | 5 | BS |
| 6 | 7 | 8 | 9 | 0 | Enter |

Registration(Stick)

Barcode	P/N Info

USERPN A-0114   U2270B

No	BCR	Status
1	U2270B	Registered

MOQ 593
Out 30   In 30
Product
PO No   Select

BCR U2270B   P/N U2270B

New   Edit   Delete   Confirm

Complete   **Clear**

Registration is complete. Remove the reel.

4) After remaining amount input, if you click on "Enter" and "OK" in order, registration will be completed. When "Complete" message shows up, you may remove the stick.

I.   Registration Device (B)

4.1.1 Stick Information Registration

I.   When barcode is not attached

Register by manually entering the barcode information. On registration display, touch on "NEW" for manual input and you may also modify or delete the barcode information. (Re-attaching barcode is highly recommended.)

II.   When tag reading is failed

This is a display when it fails to read the tag.
a. Remove reel from the registration device and plug back in.
b. When the error continues after procedure I, attach a new tag and try again.
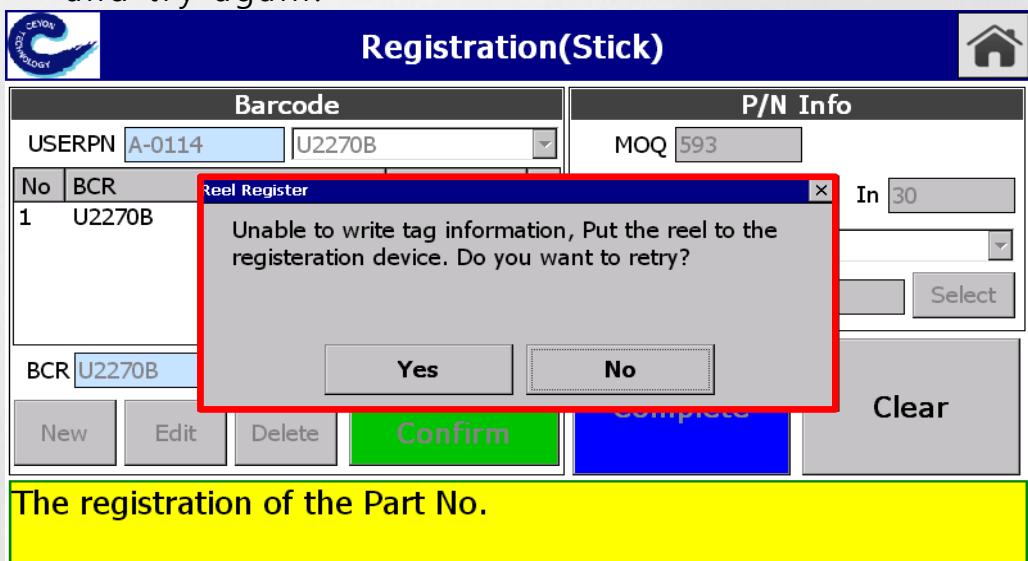
I. Registration Device (B)

4.1.1 Stick Information Registration Exceptions

III. When a reel with a registered tag is on

A message saying "This tag is already registered" will appear.
(**Refer to Manual 5.7** for tag reuse (initialization))
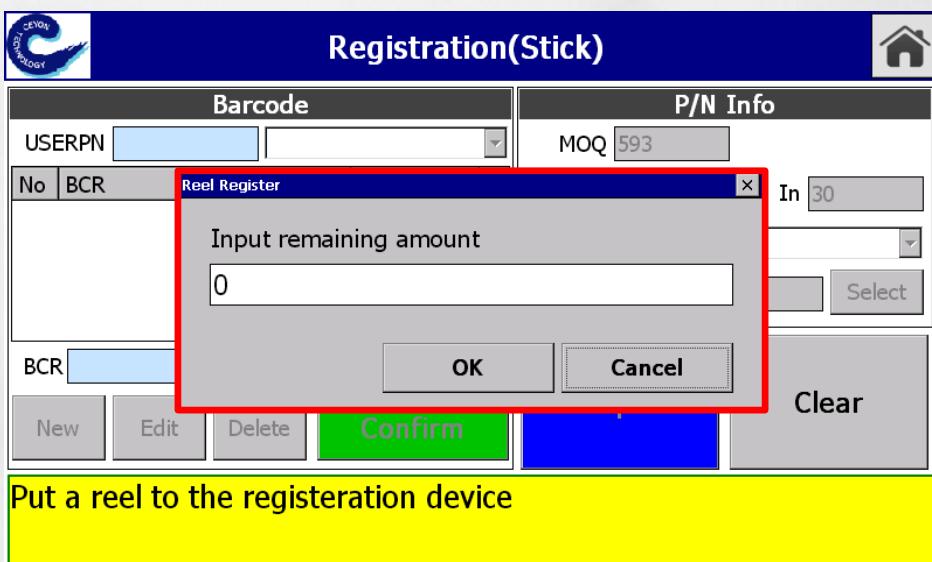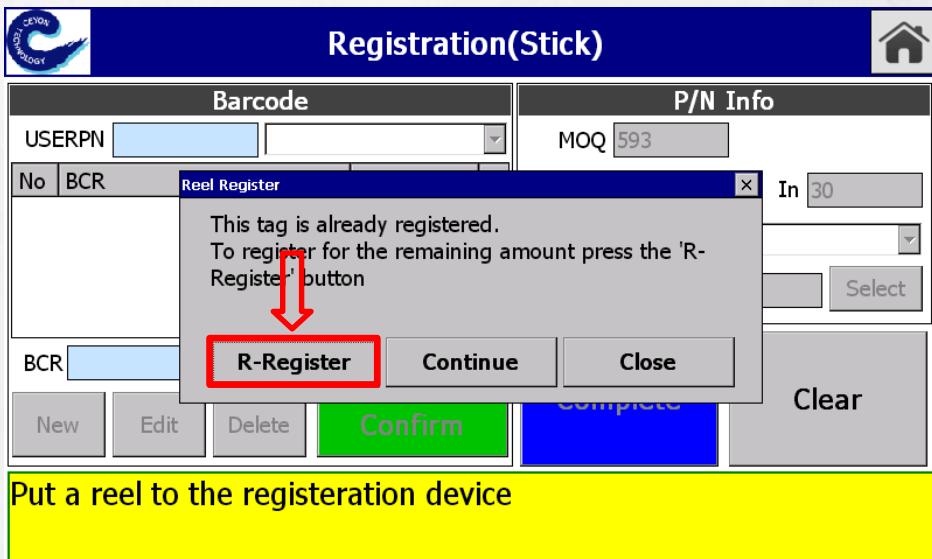
➢ When you click on "R-Register", a pop that allows **manual input of remaining amount** will appear and it will also up date entered remaining amount.

➢ Even after touching on "Continue", unless a new tag is plugged in or/and R-Registered, an error pop will keep appearing.

I. Registration Device (B)

4.2.1 Reel Information Registration Exceptions

III. When tag reading is failed

This is a display when it fails to read the tag.
a. Remove reel from the registration device and plug back in.
b. When the error continues after procedure I, attach a new tag and try again.

IV. When a barcode is not mapped

New P/N is required to do mapping first. (Refer to manual 3)

5. Remaining Amount Measurement

This is a display to measure reel's remaining amount.

R - Measurement

Tag Info

TID 2018-05-09_00023
P/N _NewC1007

Remaining amount
5000

P/N Info

MOQ 5000
Product
PO No

Measure

Press the 'Measure' button to start the measurement.

R - Measurement

Tag Info

TID 2018-05-09_00023
P/N _NewC1007

Remaining amount
4500

P/N Info

MOQ 5000
Product
PO No

Measure

Remaining amount measurement completed.
Remove the reel.

▪   **How to measure remaining amount of the reel**

1) When you put a reel on a registration device, its information will be displayed on screen.
2) By pressing on "Measure"(or green button), you can measure reel's remaining amount.
3) After remaining measurement is completed, when "Re move" message pops up, you may removed the reel.
4) You may go back to the main display by clicking on home button.

I.   Registration Device (B)

5.1 Remaining Amount Measurement Exceptions

This is a display when it cannot read a tag while measuring reel's remaining amount.
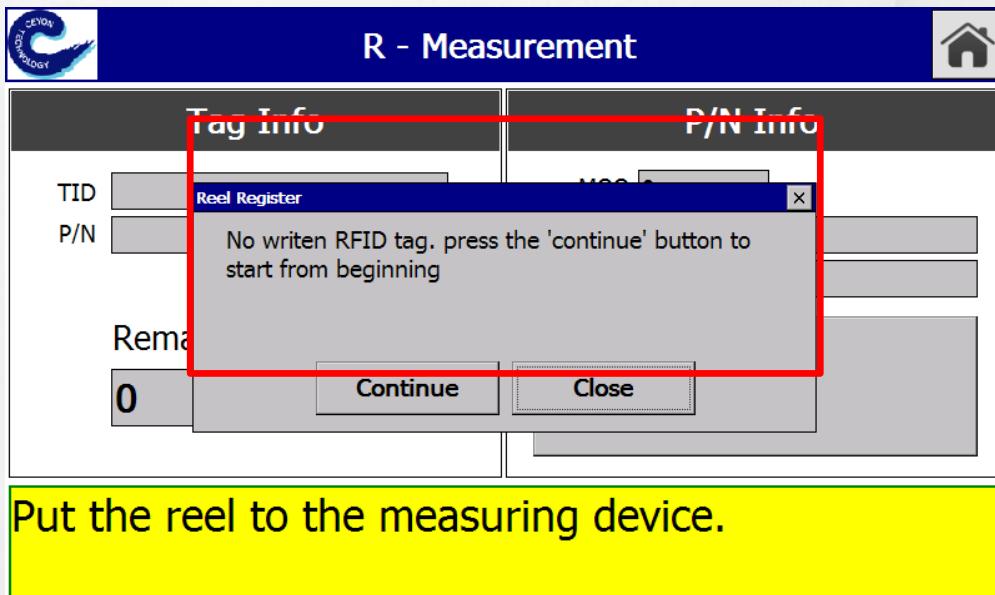
1)   After checking tag's location, click on "Measure" again.
2)   When the measurement works successfully, "Tag Info" will be displayed.
3)   You may go back to the main display by clicking on home button.

I.   Registration Device (B)

6. Tag Reuse

This is a display of initializing a registered tag. (Capable up to maximum 8 simultaneously)

1) When you put on a tag you wish to reuse, the reader will read the tag.

>   I.   When it's a new or initialized tag
>   It appears as "Initialized" on "State."

>   II. When it's a registered tag

>   When it appears as "Read" on "State", Click on "Initialize RFID Tag." When initialization is completed, it will change to "Initialized."

2) When it shows "Completed" message on bottom of the page, remove tag.
3) You may go back to main display by clicking on home button.
   • Initialized : when it's initialized
   • Read : when the tag is read
   • Fail : when it failed to initialized the tag

FCC Instructions

FCC Compliance Statement(Part 15.19 (3))
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 devi   must accept any interference received, including interference that may cause undesired operation.
FCC Interference Statement(Part 15.105)

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the 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 instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

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