

Yamato

Dataweigh ϵ PLUS

**Dataweigh Epsilon Plus
Series**

RRU-10 MANUAL

No. GB48108H0144

Rev.0

YAMATO SCALE CO., LTD.

Epsilon Plus Series

RRU-10 MANUAL

Record of Issue

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Please note that a part of this manual may be changed without notice because of component(s) change for improvement in quality or other reasons.

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Preface

RRU-10 can be used as an option in **Dataweigh Epsilon Plus** series. This manual describes the operation and configuration procedures of the items that require to use the card reader.

Improper values entered in the SYSTEM will cause; accuracy loss, erroneous weight reading and/or computer malfunction. Improper Calibration procedure can also have the same effects. Therefore, these procedures should be used by authorized personnel only and a password is required for Level 4.

Safety Information

- This product generates a magnetic field.
Persons using implantable medical devices (such as pacemakers) shall not bring this product close to the chest area.
- Avoid using this product in environments with high temperatures, high humidity, or condensation.
- Do not disassemble or modify this product.

Installation and Environment

- Reading range may decrease if the device is held directly against a metal surface.
- Performance may be reduced when used near equipment that generates strong electromagnetic interference (such as motors or welding machines).
- Use indoors only.

Regulatory Compliance

This product complies with the following standards and directives.

- Radio Equipment Directive (RED) 2014/53/EU
- EN 300 330
- EN 55032
- EN 55035
- EN 301 489-1 / EN 301 489-3
- EN 62368-1
- FCC Part15

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.

RFID Reader Unit / RRU-10

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<FCC 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 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.

<RF Exposure Compliance>

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines. This equipment must be installed and operated keeping the radiator at least 20cm or more away from person's body.

Country Restrictions

The 13.56 MHz band used by this product is available for license-free use in EU member states and the United Kingdom.

There are no prohibitions or restrictions on its use in any specific country.

Disposal

This product contains electronic components.

Please do not dispose of it as general waste; follow local regulations.

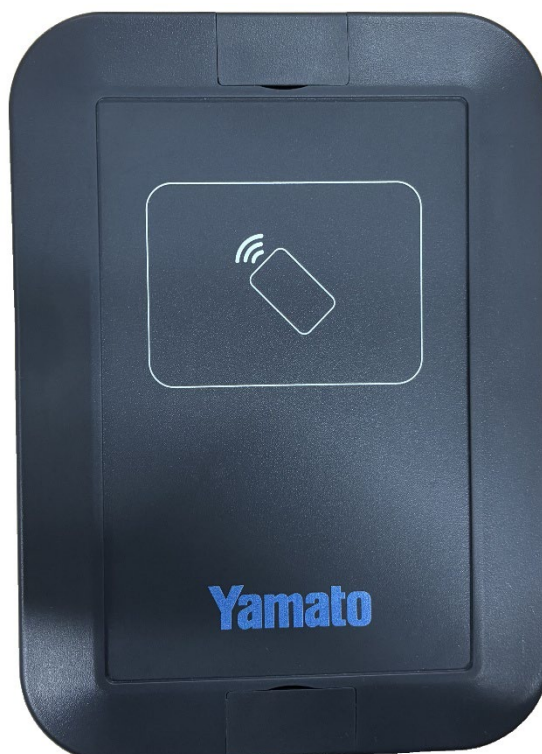
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Chapter 1 – Introduction

1.1. The Card Reader Concept

In card reader function, the access level corresponding to the registered ID can be changed and specific operations can be executed, which are reflected on the RCU screen by holding an ID tagged identification medium over the reader.



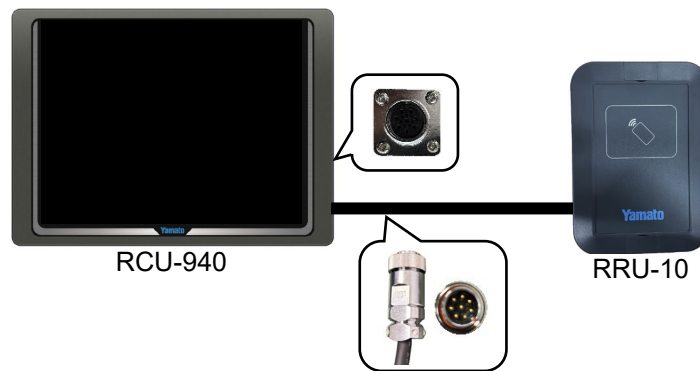
1.2. General Specification

Rating	DC5V
Operating temperature	-10 deg. C to 40 deg. C
Operating humidity	35 % RH to 85 % RH (No condensation)
Size	110 x 171 x 40 (Width x Depth x Height (mm)) (Excluding cable)

1.3. Radio Specification

Operating frequency	13.56MHz $\pm$ 50ppm
Maximum radio frequency power	24.54dBm
Wireless method	Proximity guidance method (HF RFID)
Applicable Standards	EN 300 330
Maximum Magnetic Field Strength	Compliant with regulatory requirements
Operating Environment	Indoor use only

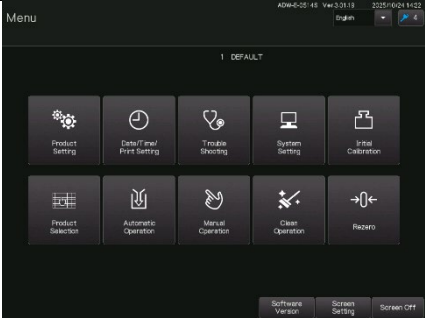
1.4. Connection With RCU-940



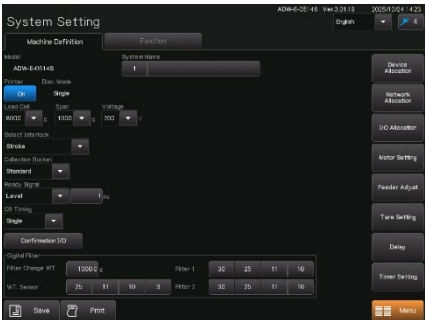
Chapter 2 – System

IMPORTANT :
*To use CARD READER, a special password is required from your supplier.
This chapter is not required when the counting option is already enabled.*

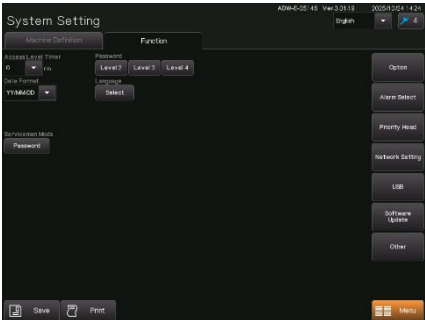
2.1. Enable Card Reader Function



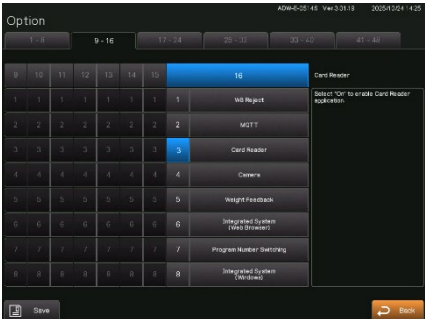
The access level needs to be Level 4.
Touch the “**System Setting**” pad in the Menu screen.



Touch the “**Option**” pad in “Function” of the **System Setting** Screen.



Touch the “**Option**” pad. The **OPTION SELECTION** screen will be displayed.
Left side number is number of pages.
Touch the option number pad, highlighted to “**ON**”.



A special password is required. Input the password to enable the **Card Reader** option.
OPTION 16-3 will be set with the correct password.
Touch “**Save**” pad to save the parameters.



Chapter 3 – Setup

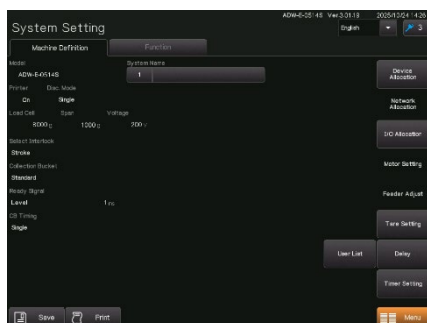
3.1. Overview

In this chapter we will describe how to set the items required for card reader function. These settings are performed in the access level 3 or more of the SETUP screen.

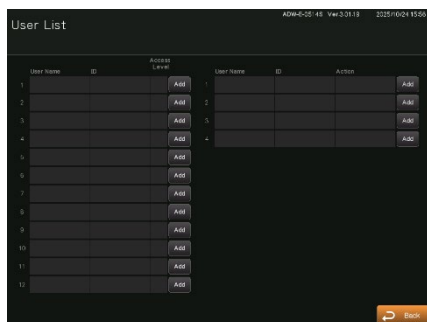
3.2. Access Level Settings

The access level needs Level 3 or Level 4.

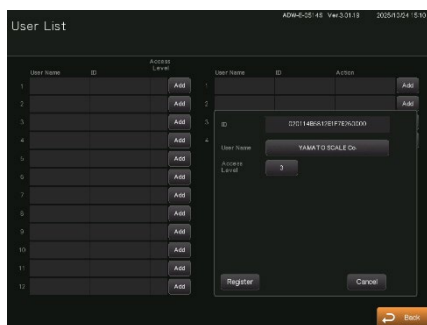
Touch the "**System Setting**" pad in the MENU screen.



Touch the "User List" pad .



Touch one of the "Add" pads 1 to 12 on the left side of the screen.



Hold the ID tag over the reader. The ID is displayed in the ID display field on the screen.

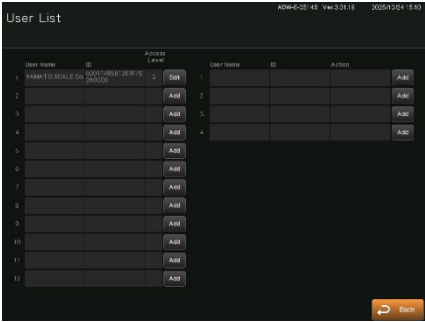
If the ID has already been registered, the message "This ID has already been registered" is displayed in the ID display field.

Touch the "Access Level" pad to allow setting levels up to the current access level.

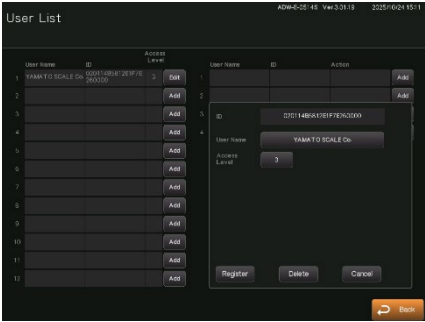
When the ID is displayed and the access level is set, the "Register" pad appears.

Touch the "User Name" pad to set a name.

The "Register" pad appear even if no user name is set.



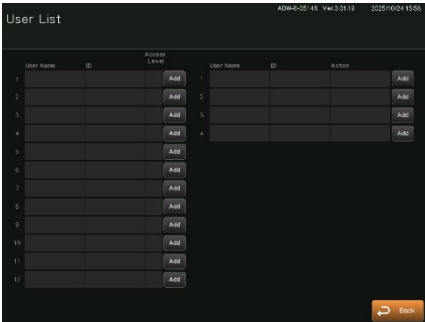
Touch the "Register" pad to close the window and switch the "Add" pad to the "Edit".



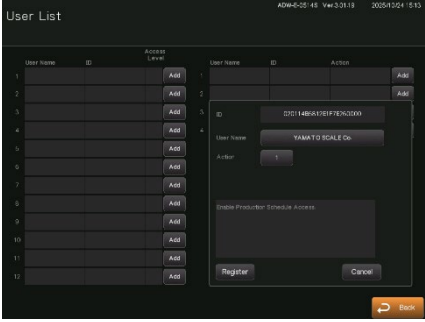
Touch the "Edit" pad to change the user name and access level. After making changes, touch the "Register" pad again to complete the update.

Touch the "Delete" pad to close the windows and delete all information for the registered user number.

3.3. Specific Operation Settings



Touch one of the "Add" pads 1 to 4 on the right side of the screen. Numbers that already have a user registered will be displayed as "Edit".



As with the access level setting, the ID is displayed, and the "Register" pad appears. once specific operation details are set.

Touch the "Register" pad to close the window and switch the "Add" pad to the "Edit".



Chapter 4 – Operation Procedure

4.1. Operation Instructions

Set up the card reader (Option 16-3), hold the ID tag registered in the user list over the reader, and the access level switches to the assigned level, with the registered user name displayed in the upper-left corner of the screen.

For specific operations, touch the ID tag registered in the user list over the reader to execute the registered operation regardless of the access level.