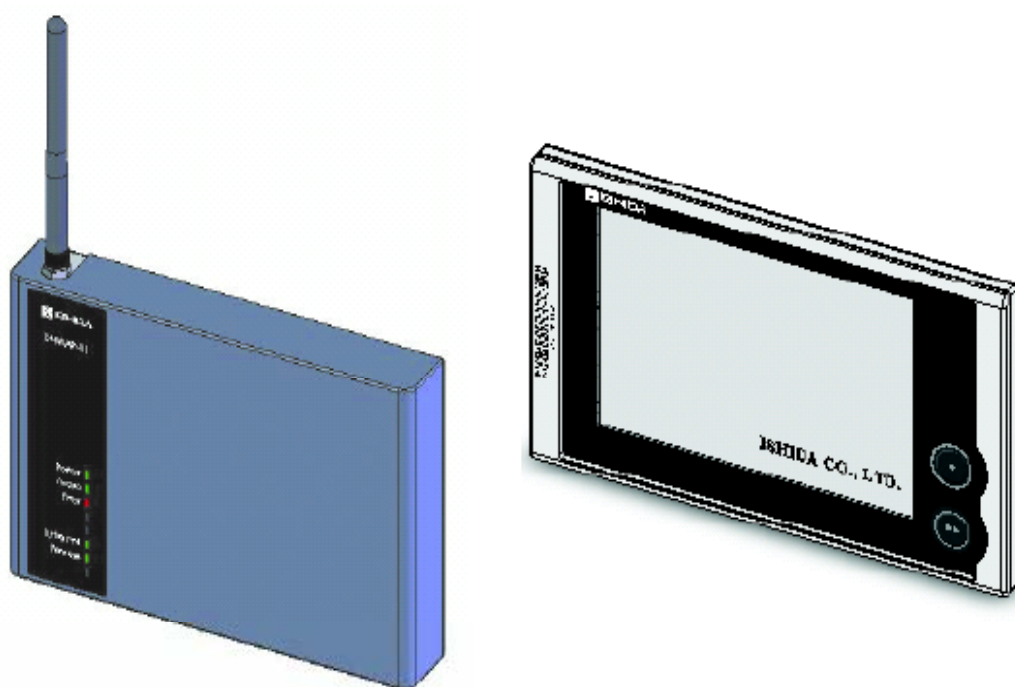


# DMS System

## Operation Manual

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### WARNING

- Do not carry out installation, operation, service, or maintenance until thoroughly understanding the contents of this manual.
- Keep this manual available at all times for installation, operation, service, and maintenance.

# FCC/IC INFORMATION

## NOTICE

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/IC 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 instructions, 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.

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

This device complies with Part 15 of the FCC Rules and RSS-Gen of IC 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.

This equipment complies with FCC/IC radiation exposure limits set forth for uncontrolled equipment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65 and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment has very low levels of RF energy that it is deemed to comply without testing of specific absorption ratio (SAR).

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

# INTRODUCTION

Thank you very much for purchasing "DMS system".

This manual explains the procedures to operate the components of the system and cautions in use.

To make effective use of the system, read this manual thoroughly before use. Keep this manual with care after reading.

## NOTE

- No part of the system or manual may not copied without prior written approval from Ishida Co., Ltd.
- The system and manual can be used under the license agreement of this product.
- Ishida Co., Ltd. assumes no liability for any influence of the result of operation of the system and manual.
- Some part of the manual may differ from the actual product due to future developmentof the system.
- The information contained herein may be changed without prior notice.
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- In case of defective book or paging disorder, please contact your distributor. We will replace them.
- Although we respond the troubles in the equipment and system based on each maintenance agreement, we assume no liability for the secondary troubles such as operation stop due to the troubles in the equipment.

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# IMPORTANT INFORMATION



**When performing installation, maintenance or inspection of the device, read this manual thoroughly. Be aware of the possible danger of the device and perform operation by following the instructions in this manual.**

1. It is impossible to predict and fully list in an instruction manual all the potential hazard which may arise by using this device. When operating the device or performing operations in any way not specifically described in this manual, please contact the Ishida customer support.  
Safety measures not specifically described in this manual or indicated on the machine itself should be carefully considered and implemented before installing the device or performing any operation, service, or maintenance procedures.
2. Ishida Co., Ltd. holds the copyright of this manual and the copyright law protects all information contained herein. Any disclosure to third parties or unauthorized copying of the information contained herein is not permitted without prior written approval from Ishida Co., Ltd.
3. Although this manual has been carefully edited, if there are any mistakes or if you have any questions, please check the machine type (model) and machine identification and contact your distributor or Ishida customer support.  
The model and machine identification are indicated on the device plate attached to the device.
4. The information contained herein may be changed without prior notice.

# WARRANTY CONDITIONS

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1. Ishida Co., Ltd. only assumes responsibility for repairing or replacing components which are deemed to be defective due to improper materials or manufacturing.

The measures to be taken for defects with uncertain cause shall be decided by mutual consultation between both parties.

For detailed warranty information, refer to the warranty statement included with the product.

2. Ishida assumes no responsibility for direct or indirect damage or lost income caused by unforeseeable operational procedures in any improper way or unauthorized modification to the device.
3. Ishida Co., Ltd. holds the copyright of this product.
4. No part of this product or this manual may not copied without prior written approval from Ishida Co., Ltd.
5. The warranty period shall be half year after delivery.

# DMS SYSTEM

## Overview of DMS System

- DMS system is a system to display information received from the customer's system on the indicator (DMWL-01).
- Communication protocol is ethernet for between DMS server and DMS-AP, and wireless communication for between DMWAP-01 and DMWL-01.
- In the wireless communication area for DMWAP-01, the display on the indicator is rewritable when relocating DMWL-01.
- The information such as communication status and battery status can be checked with DMS server.

## DMS System Organization

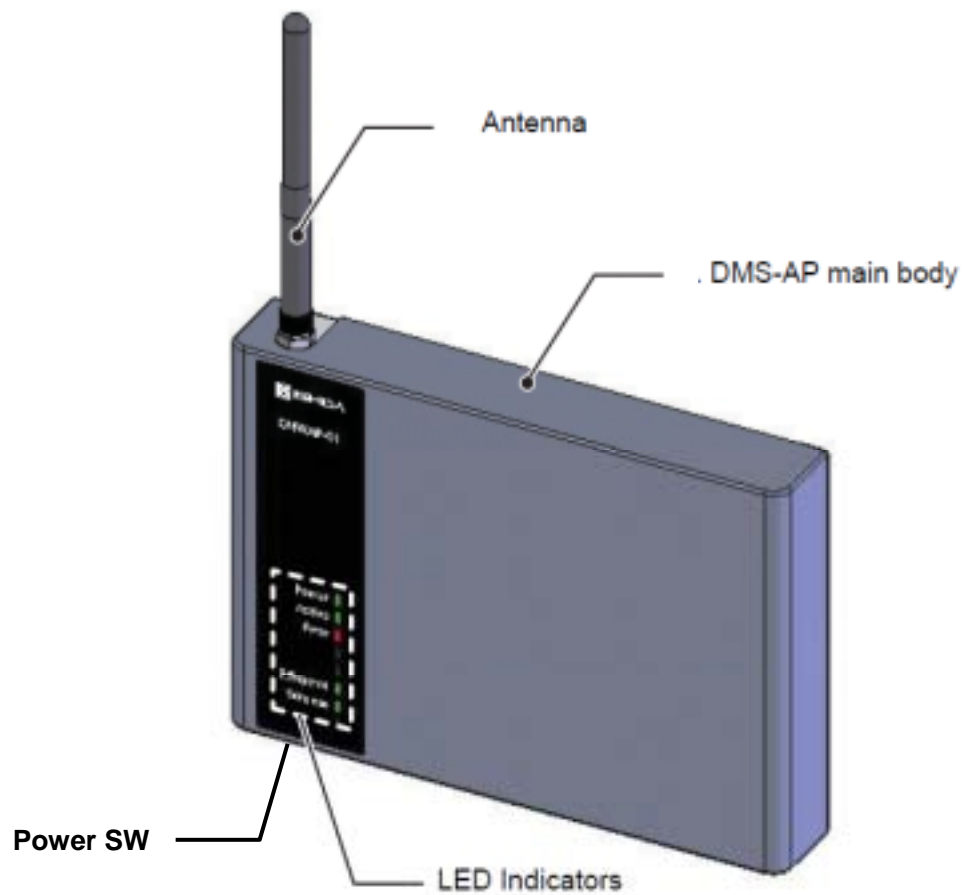
When the display information is sent from the customer's backbone system to the DMS server, DMS server creates the display image data, and then transmit the display image data to DMWL-01 via DMWAP-01. The transmission result is feed backed to the DMS server so that you can confirm the result.

Table 1 : System Organization

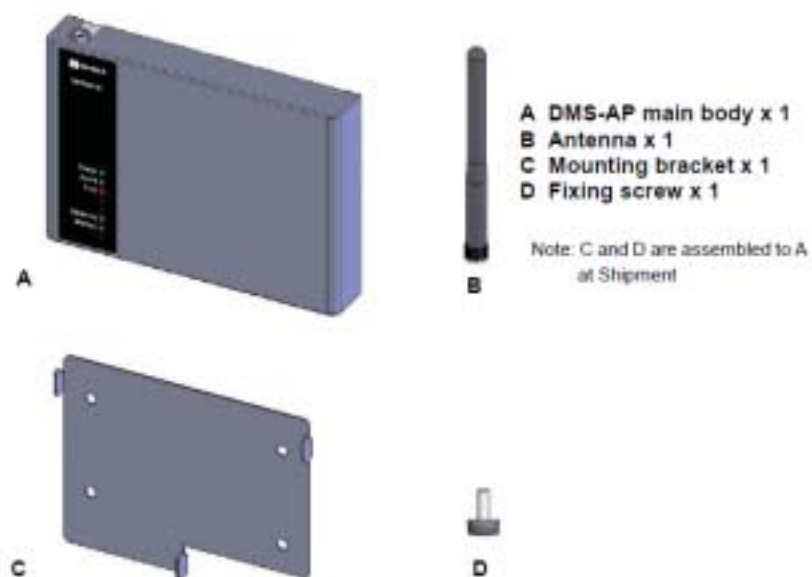
Components	Functions
DMS System	Generic name of the system consisting of the following Components.
DMS Server	<ul style="list-style-type: none"><li>• Receives the information from customer's backbone system and direct DMS to update the display.</li><li>• Controls the DMS-AP of the DMS.</li></ul>
DMWAP-01	Transmission equipment for data communication between DMS server and DMS.
DMWL-01	Display terminal.

# DMWAP-01

## Appearance



## Bundled items



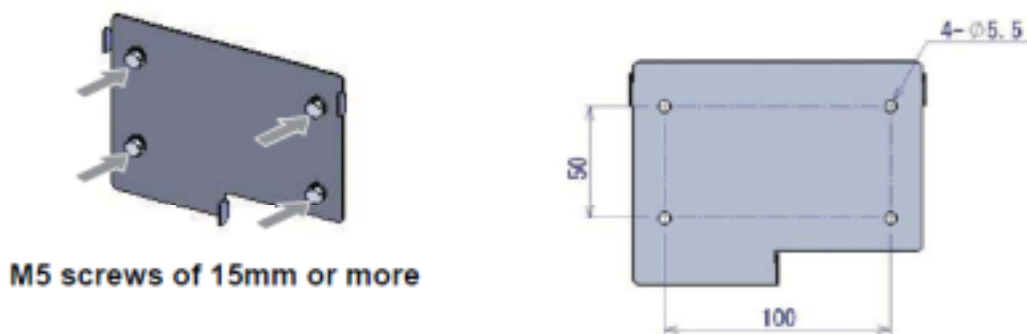
# Installation

## •Cautions in Installing This Product

- Use the attached mounting bracket when setting the product.
- Do not install the product upside down.
- Use the LAN cable that supports PoE. (Power supply via LAN cable)

## •Fix the mounting bracket (C)

Fix C (mounting bracket) so that this product is mounted 2-3 meters above the floor. Fix C with four M5 screws of 15mm or more in length with the tightening torque value 5.6 [N•m].



## •Fix the main body (A)

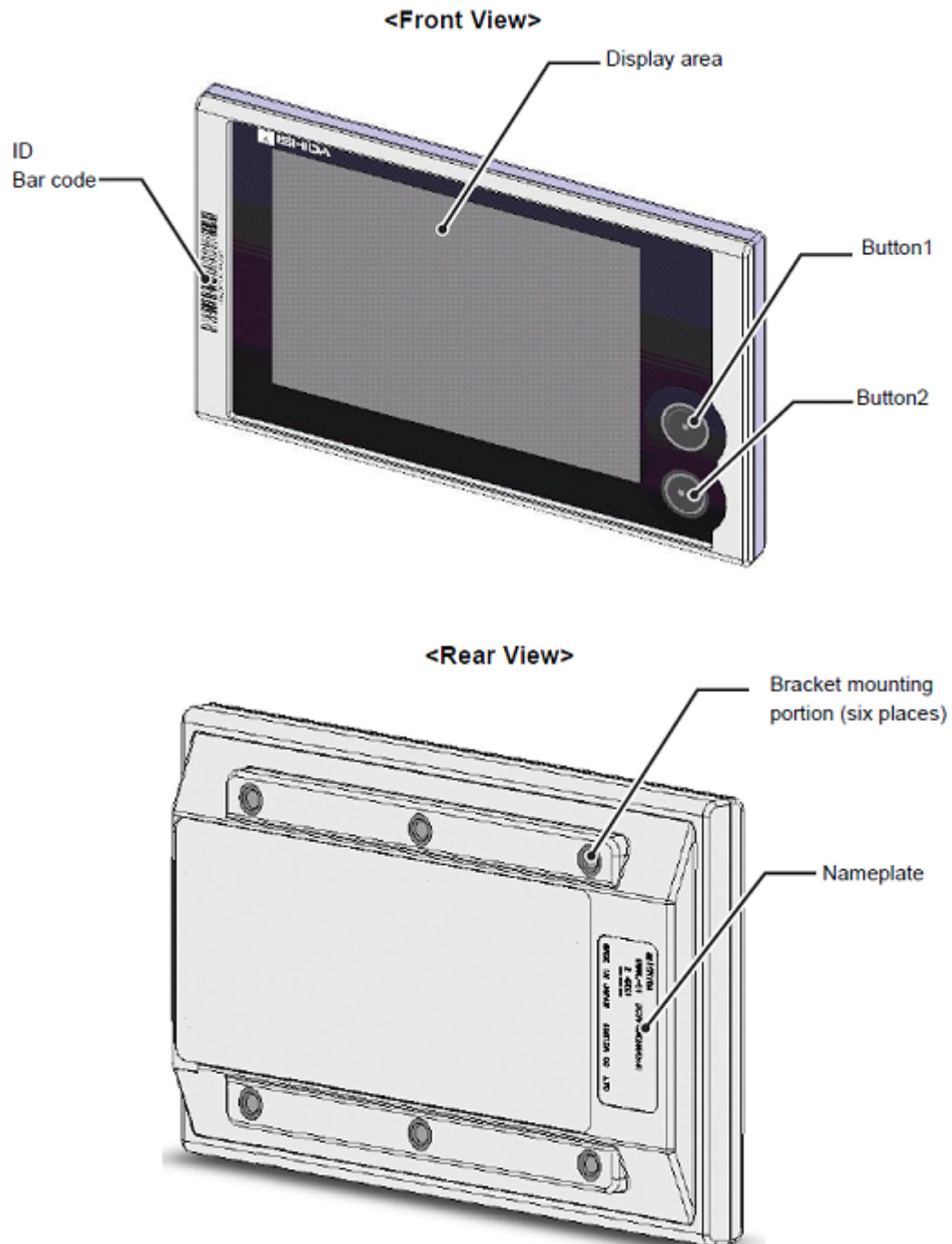
Mount the main body (A) to the mounting bracket (B) and fix the main body with fixing screw (D).





# DMWL-01

## Appearance



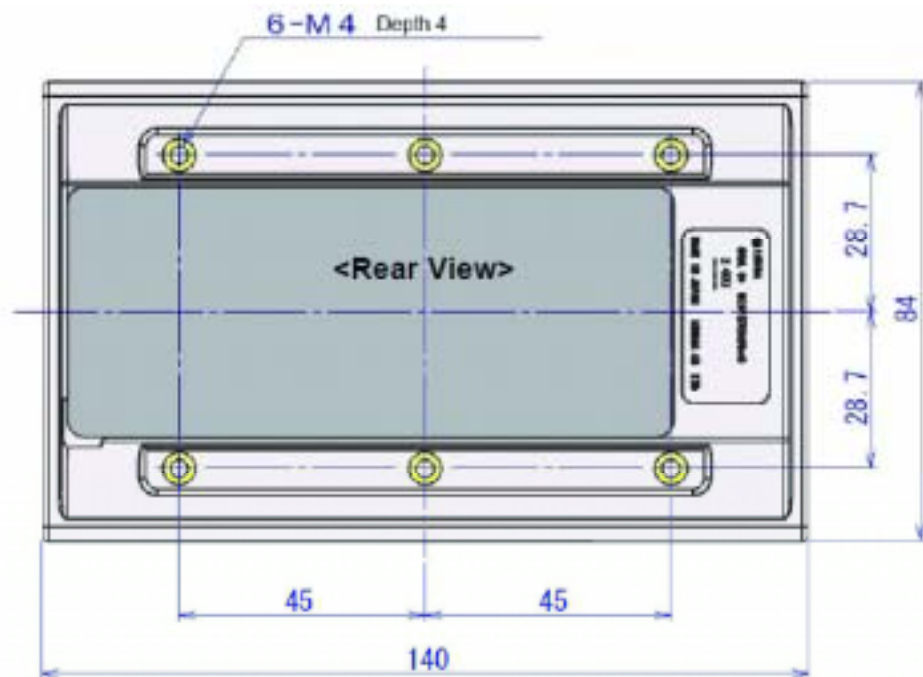
**Power ON<=>OFF:** Hold down [Button1] and [Button2] simultaneously.

- Put the product into power OFF state when you store the product for a long time, which will save the battery. Functions other than power ON operation are stopped.
- "OFF" is displayed on the screen when power is turned OFF.
- The product can usually be operated when power is turned ON.

# Installation

## •Mounting the bracket

Mount the bracket by referring to the dimensions. Tighten the screw with the tightening torque value 1.2 [N•m] or less.





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