Aiphone VM-RMVU

Aiphone VM-RMVU Residential Security Master Unit Instruction Manual

Model: VM-RMVU

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the Aiphone VM-RMVU Residential Fire Alarm Compatible Monitor Security Master Unit. Please read this manual thoroughly before using the product to ensure correct and safe operation. Keep this manual in a safe place for future reference.

2. SETUP AND INSTALLATION

The Aiphone VM-RMVU unit is designed for wall-mounted installation. Ensure proper power supply and network connections as described below.

2.1 External View and Mounting

Refer to the diagram below for the external dimensions and mounting details. The unit requires a compatible wall box for installation.
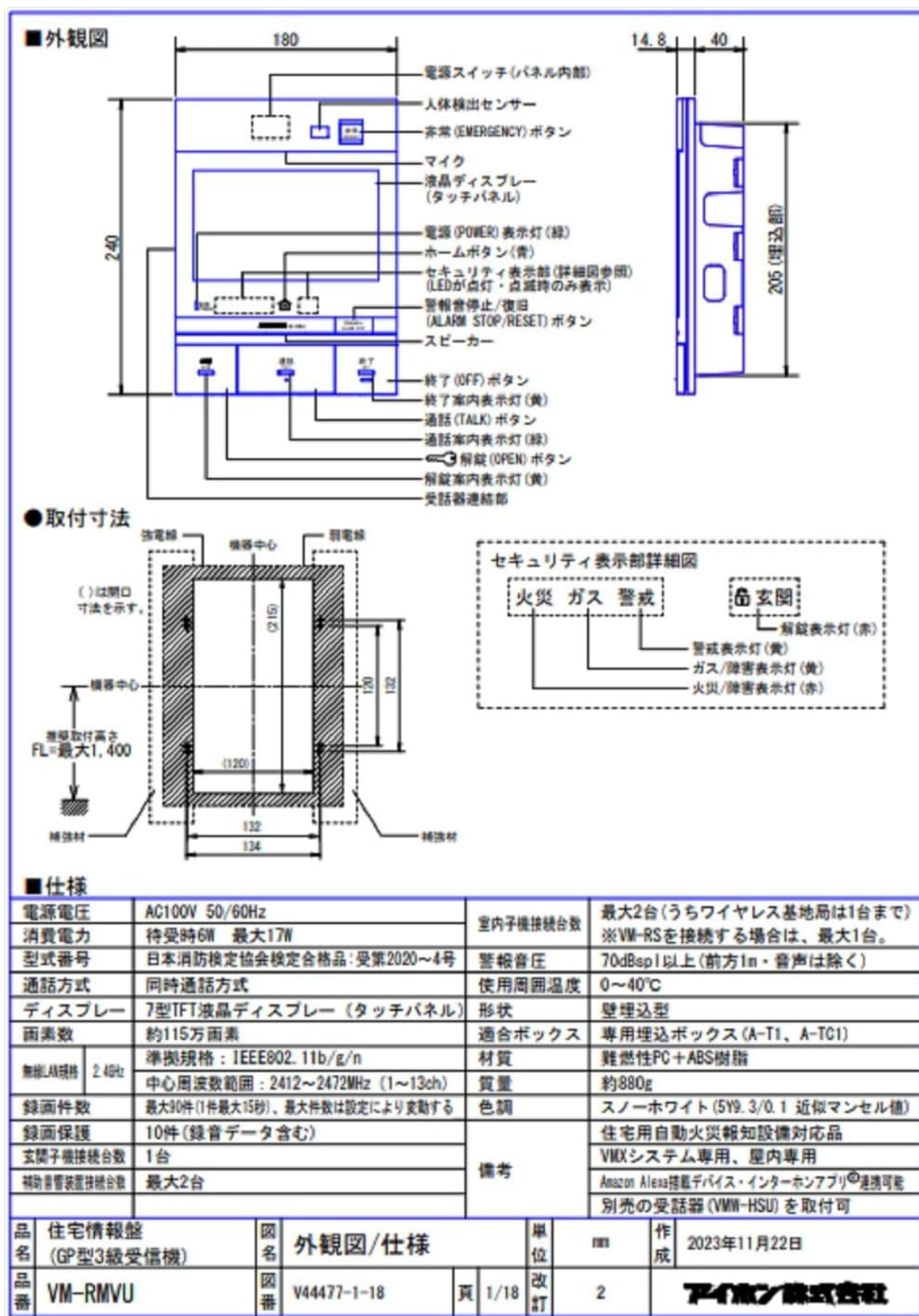
■外観図

180　　14.8　40

電源スイッチ（パネル内部）
人体検出センサー
非常（EMERGENCY）ボタン
マイク
液晶ディスプレー（タッチパネル）
電源（POWER）表示灯（緑）
ホームボタン（青）
セキュリティ表示部（詳細図参照）
（LEDが点灯・点滅時のみ表示）
警報音停止/復旧（ALARM STOP/RESET）ボタン
スピーカー
終了（OFF）ボタン
終了案内表示灯（黄）
通話（TALK）ボタン
通話案内表示灯（緑）
解錠（OPEN）ボタン
解錠案内表示灯（黄）
受話器連結部

240

205（埋込前）

●取付寸法

強電線　機器中心　弱電線

（ ）は開口寸法を示す。

機器中心

推奨取付高さ
FL=最大1,400

(515)

132
120

(120)

補強材　　　　補強材

132
134

セキュリティ表示部詳細図

火災　ガス　警戒　　　🔒玄関

解錠表示灯（赤）
警戒表示灯（黄）
ガス/障害表示灯（黄）
火災/障害表示灯（赤）

■仕様

電源電圧	AC100V 50/60Hz		室内子機接続台数	最大2台（うちワイヤレス基地局は1台まで）※VM-RSを接続する場合は、最大1台。
消費電力	待受時6W　最大17W		警報音圧	70dBspl以上（前方1m・音声は除く）
型式番号	日本消防検定協会検定合格品：受第2020～4号		使用周囲温度	0～40℃
通話方式	同時通話方式		形状	壁埋込型
ディスプレー	7型TFT液晶ディスプレー（タッチパネル）		適合ボックス	専用埋込ボックス（A-T1、A-TC1）
画素数	約115万画素		材質	難燃性PC＋ABS樹脂
無線LAN規格 2.4GHz	準拠規格：IEEE802.11b/g/n		質量	約880g
	中心周波数範囲：2412～2472MHz（1～13ch）		色調	スノーホワイト（5Y9.3/0.1 近似マンセル値）
録画件数	最大90件（1件最大15秒）、最大件数は設定により変動する		備考	住宅用自動火災報知設備対応品
録画保護	10件（録音データ含む）			VMXシステム専用、屋内専用
玄関子機接続台数	1台			Amazon Alexa搭載デバイス・インターホンアプリ®連携可能
補助警報装置接続台数	最大2台			別売の受話器（VMW-HSU）を取付可

| 品名 | 住宅情報盤（GP型3級受信機） | 図名 | 外観図/仕様 | 単位 | mm | 作成 | 2023年11月22日 |
| 品番 | VM-RMVU | 図番 | V44477-1-18 | 頁 1/18 | 改訂 | 2 | アイホン株式会社 |

Image 1: External view of the Aiphone VM-RMVU unit with detailed mounting dimensions. This diagram illustrates the physical layout, including the location of the power switch, sensors, microphone, speaker, and various indicator lights. It also shows the dimensions for wall-mounted installation.

2.2 Wiring Connections

Follow the wiring diagram carefully to connect the master unit to power, entrance units, sub-units, and other security devices. The system supports both wired and wireless LAN connections.

Image 2: Comprehensive wiring diagram for the Aiphone VM-RMVU system. This diagram details connections for power, entrance units, monitor sub-units, wireless base stations, extension master units, gas/CO alarms, auxiliary alarm devices, call buttons, security set panels, and passive sensors. It also illustrates connections for internet apps, smartphones, and Amazon Alexa devices via wireless LAN.

Power Supply:

- Connect the unit to an AC100V, 50/60Hz power source.
- Ensure the power switch (located on the rear panel) is in the OFF position before connecting.

Network Connection:

- The VM-RMVU supports wireless LAN (IEEE 802.11b/g/n) for connection to internet apps, smartphones, and Amazon Alexa devices.
- Refer to the separate wireless LAN setup guide for detailed configuration instructions.

3. OPERATING INSTRUCTIONS

The Aiphone VM-RMVU features a 7-inch TFT LCD touch panel and intuitive buttons for various functions.

Image 3: Front panel of the Aiphone VM-RMVU showing the 7-inch LCD display and control buttons. Key buttons include

EMERGENCY, POWER indicator, TALK, OFF, OPEN, and ALARM STOP. The model name 'AIPHONE VM-RMVU' is also visible below the screen.

3.1 Basic Functions

- **Power On/Off:** Press the power switch on the rear panel to turn the unit on or off. The green POWER indicator will illuminate when on.
- **Answering Calls:** When an entrance unit calls, the display will show the caller. Press the**TALK** button to initiate a simultaneous call. The green TALK indicator will light up.
- **Ending Calls:** Press the **OFF** button to end a call. The red OFF indicator will light up briefly.
- **Opening Doors:** During a call, press the**OPEN** button to unlock the connected door. The green OPEN indicator will light up.

3.2 Security and Alarm Functions

- **Emergency Button:** Press the **EMERGENCY** button in case of an emergency to trigger an alarm.
- **Alarm Stop:** If an alarm sounds (e.g., fire, gas, security alert), press the**ALARM STOP** button to silence it. The red ALARM STOP indicator will light up when an alarm is active.
- **Security Display:** The security display unit provides visual indicators for Fire, Gas, and Security Alert statuses.

3.3 Touch Panel Operation

The 7-inch TFT LCD is a touch panel. Navigate through menus and settings by tapping on the screen icons and options. Refer to the on-screen guide for specific menu functions.

4. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Aiphone VM-RMVU unit.

- **Cleaning:** Use a soft, dry cloth to clean the unit's surface and display. Do not use abrasive cleaners or solvents.
- **Inspection:** Periodically check all connections for security and ensure no cables are damaged.
- **Software Updates:** Check the manufacturer's website for any available firmware updates to ensure your unit has the latest features and security enhancements.

5. TROUBLESHOOTING

If you encounter issues with your Aiphone VM-RMVU unit, refer to the following common troubleshooting steps:

- **No Power:** Ensure the power cable is securely connected and the power switch on the rear panel is ON. Check your circuit breaker.
- **No Video/Audio:** Verify all wiring connections to entrance units and sub-units. Ensure network connectivity for wireless functions.
- **Alarm Malfunction:** Check the status indicators on the security display unit. If the issue persists, contact customer support.
- **Touch Panel Unresponsive:** Try restarting the unit by turning the power off and on. If the problem continues, contact support.

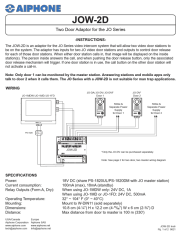For more complex issues, please consult a qualified technician or Aiphone customer support.
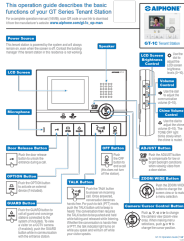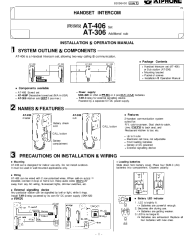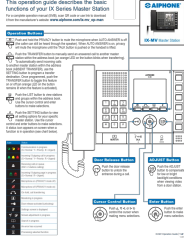
6. Specifications
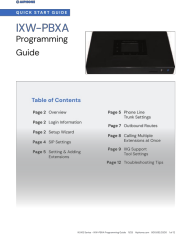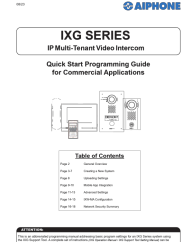
Feature	Specification
Brand	Aiphone
Model Number	VM-RMVU
Power Voltage	AC100V: 50/60Hz
Power Consumption	Standby 6W: Max 17W
Call Method	Simultaneous Call Method
Display	7-inch TFT LCD Display (Touch Panel)
Number of Pixels	Approx. 1.15 million pixels
Wireless LAN	IEEE 802.11b/g/n (2.4GHz)
Product Dimensions (LxWxH)	18 x 22 x 4.5 cm
Weight	Approx. 880g
Operating Ambient Temperature	0 to 40°C
Included Components	Main Unit

7. Warranty and Support

For warranty information, technical support, or service inquiries, please refer to the official Aiphone website or contact your local Aiphone distributor. Keep your purchase receipt as proof of purchase.
Aiphone Official Website: www.aiphone.com

Related Documents - VM-RMVU

[Aiphone JOW-2D Two Door Adaptor for JO Series Video Intercom System - Installation Guide](#)
Detailed instructions and specifications for the Aiphone JOW-2D adaptor, enabling two door stations for the JO Series video intercom system. Learn about wiring, power, and operational features for intercom installations.

[Aiphone GT-1C Tenant Station Operation Guide](#)

Comprehensive operation guide for the Aiphone GT-1C Tenant Station. Learn about its power source, LCD screen, speaker, microphone, and the functions of buttons like Door Release, Option, Guard, Talk, and Off, along with side controls for brightness, volume, and zoom.

[Aiphone AT-406/AT-306 Handset Intercom Installation and Operation Manual](#)

Detailed installation and operation manual for the Aiphone AT-406 Handset Intercom set and AT-306 sub station, covering system components, features, wiring, mounting, operations, technical precautions, specifications, and warranty information.

[Aiphone IX Series Master Station Operation Guide](#)

A comprehensive operation guide for the Aiphone IX Series Master Station, detailing basic functions, button operations, and status indicators.

[Aiphone IXW-PBXA Programming Guide - Quick Start](#)

This guide provides quick start instructions for programming the Aiphone IXW-PBXA system, covering initial setup, extension configuration, trunk settings, outbound routes, and troubleshooting for IX|IXG Series intercom systems.

[Aiphone IXG Series IP Multi-Tenant Video Intercom Quick Start Programming Guide](#)

This guide provides a quick start for programming Aiphone's IXG Series IP Multi-Tenant Video Intercom systems for commercial applications. It covers system setup, station configuration, mobile app integration, and advanced settings.