

DS-1350HMI Mobile Intercom

User Manual (V1.1)

UD.6L0202D2103A02

TABLE OF CONTENTS

Chapter 1 Introduction	5
1.1 Overview.....	5
1.2 Components	5
1.3 Pin Definition.....	6
Chapter 2 Installation.....	7
Chapter 3 Connecting Cables	8
3.1 Connecting to Mobile Enforcement System	8
3.2 Connecting to Mobile DVR.....	8
Chapter 4 Adjusting Volume	9
Chapter 5 FAQ.....	10

About this Manual

This Manual is applicable to DS-1350HMI Mobile Intercom.

The Manual includes instructions for using and managing the product. Pictures, charts, images and all other information hereinafter are for description and explanation only. The information contained in the Manual is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version in the company website.

Please use this user manual under the guidance of professionals.

Legal Disclaimer

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, THE PRODUCT DESCRIBED, WITH ITS HARDWARE, SOFTWARE AND FIRMWARE, IS PROVIDED “AS IS”, WITH ALL FAULTS AND ERRORS, AND OUR COMPANY MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY, SATISFACTORY QUALITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT OF THIRD PARTY. IN NO EVENT WILL OUR COMPANY, ITS DIRECTORS, OFFICERS, EMPLOYEES, OR AGENTS BE LIABLE TO YOU FOR ANY SPECIAL, CONSEQUENTIAL, INCIDENTAL, OR INDIRECT DAMAGES, INCLUDING, AMONG OTHERS, DAMAGES FOR LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION, OR LOSS OF DATA OR DOCUMENTATION, IN CONNECTION WITH THE USE OF THIS PRODUCT, EVEN IF OUR COMPANY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

REGARDING TO THE PRODUCT WITH INTERNET ACCESS, THE USE OF PRODUCT SHALL BE WHOLLY AT YOUR OWN RISKS. OUR COMPANY SHALL NOT TAKE ANY RESPONSIBILITIES FOR ABNORMAL OPERATION, PRIVACY LEAKAGE OR OTHER DAMAGES RESULTING FROM CYBER ATTACK, HACKER ATTACK, VIRUS INSPECTION, OR OTHER INTERNET SECURITY RISKS; HOWEVER, OUR COMPANY WILL PROVIDE TIMELY TECHNICAL SUPPORT IF REQUIRED.

SURVEILLANCE LAWS VARY BY JURISDICTION. PLEASE CHECK ALL RELEVANT LAWS IN YOUR JURISDICTION BEFORE USING THIS PRODUCT IN ORDER TO ENSURE THAT YOUR USE CONFORMS THE APPLICABLE LAW. OUR COMPANY SHALL NOT BE LIABLE IN THE EVENT THAT THIS PRODUCT IS USED WITH ILLEGITIMATE PURPOSES.

IN THE EVENT OF ANY CONFLICTS BETWEEN THIS MANUAL AND THE APPLICABLE LAW, THE LATER PREVAILS.

Regulatory Information

FCC Information

FCC compliance: 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 Conditions

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.
2. This device must accept any interference received, including interference that may cause undesired operation.

EU Conformity Statement



This product and - if applicable - the supplied accessories too are marked with "CE" and comply therefore with the applicable harmonized European standards listed under the EMC Directive 2004/108/EC, the RoHS Directive 2011/65/EU.



2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: www.recyclethis.info



2006/66/EC (battery directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see: www.recyclethis.info

Industry Canada ICES-003 Compliance

This device meets the CAN ICES-3 (A)/NMB-3(A) standards requirements.



Safety Instruction

These instructions are intended to ensure that user can use the product correctly to avoid danger or property loss.

The precaution measure is divided into “Warnings” and “Cautions”

Warnings: Serious injury or death may occur if any of the warnings are neglected.

Cautions: Injury or equipment damage may occur if any of the cautions are neglected.

	
Warnings Follow these safeguards to prevent serious injury or death.	Cautions Follow these precautions to prevent potential injury or material damage.



Warnings

- In the use of the product, you must be in strict compliance with the electrical safety regulations of the nation and region. Please refer to technical specifications for detailed information.
- Input voltage should meet both the SELV (Safety Extra Low Voltage) and the Limited Power Source with 100~240 VAC or 12 VDC according to the IEC60950-1 standard. Please refer to technical specifications for detailed information.
- Do not connect several devices to one power adapter as adapter overload may cause over-heating or a fire hazard.
- If smoke, odor or noise rise from the device, turn off the power at once and unplug the power cable, and then please contact the service center.

Preventive and Cautionary Tips

Before connecting and operating your device, please be advised of the following tips:

- Ensure unit is installed in a well-ventilated, dust-free environment.
- Keep all liquids away from the device.
- Ensure environmental conditions meet factory specifications.
- Ensure unit is properly secured to a rack or shelf. Major shocks or jolts to the unit as a result of dropping it may cause damage to the sensitive electronics within the unit.
- Power down the unit before connecting and disconnecting accessories and peripherals.
- Improper use or replacement of the battery may result in hazard of explosion. Replace with the same or equivalent type only. Dispose of used batteries according to the instructions provided by the battery manufacturer.

Chapter 1 Introduction

1.1 Overview

Based on full-duplex mode, DS-1350HMI Mobile Intercom is able to realize two-way audio with clear sound quality and low noise interference. In addition, it is featured in low power consumption and long transmission distance.

1.2 Components

DS-1350HMI Mobile Intercom provides one-meter long cable with a six-pin female aviation plug on one side. The physical interface is shown as below.



Figure 1.1 Physical Interface

A six-meter long adapter cable is provided with one four-pin female aviation plug for connecting to Mobile DVR and the other six-pin male aviation plug for connecting to intercom. The adapter cable is shown as below.



Figure1.2 Adapter Cable

1.3 Pin Definition

● Intercom's Pin Definition

Intercom's pin definition is shown as the following table.

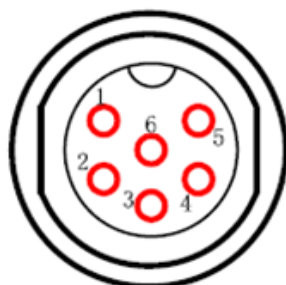


Figure 1. 1 Six-Pin Aviation Plug

Table 1. 1 Intercom's Pin Definition

No.	Name	No.	Name
1	Line Out	4	Power
2	GND	5	12 VDC
3	Line In	6	NC

● Adapter Cable's Pin Definition

Adapter cable's six-pin definition has the same meaning with the intercom's pin definition. For detailed definition, please refer to *Table 1. 1*. The pin definition of four-pin female aviation plug connecting to Mobile DVR is shown as the following table.

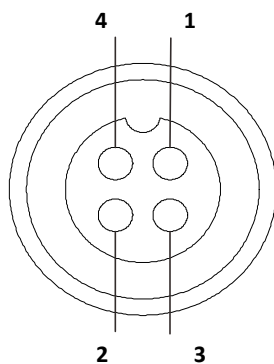


Figure 1. 2 Four-Pin Aviation Plug

Table 1. 2 Adapter Cable's Pin Definition

No.	Name	No.	Name
1	Line Out	3	12 VDC
2	Line In	4	GND

Chapter 2 Installation

Purpose:

Follow the steps listed below to optimize the intercom's effects.

Steps:

1. Respectively, two screw holes are on intercom's sides, and you can use screws to install it on instrument panel.
2. When installing, make sure the mic is toward the voice source (that is driver).
3. To ensure the best effect, the installation distance is no more than 50 to 100 cm away from the driver.



You are not allowed to disassemble the intercom without the guidance of professionals.

Chapter 3 Connecting Cables

Purpose:

DS-1350HMI Intercom is able to cooperate with Mobile DVR and mobile enforcement system. The connection methods are different, when connecting intercom to these two devices.

3.1 Connecting to Mobile Enforcement System

The host of mobile enforcement system provides one four-pin male aviation plug. Therefore, when connecting intercom with mobile enforcement system, use the adapter cable's four-pin female aviation plug to connect to the four-pin male aviation plug in the mobile enforcement system. The following figure shows the connection method.

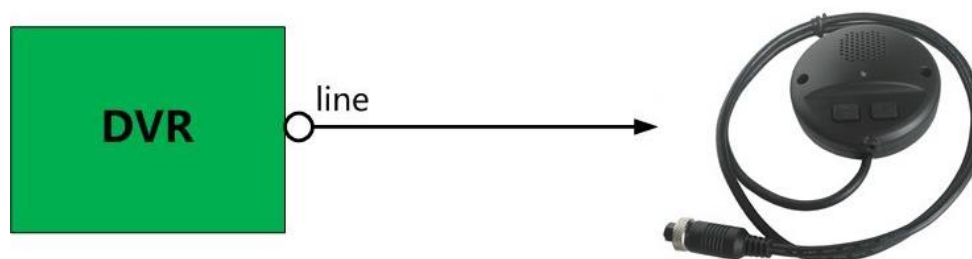


Figure 3. 1 Connecting to Mobile Enforcement System

3.2 Connecting to Mobile DVR

Since the Mobile DVR does not provide the four-pin aviation plug, an RS 422 interface is needed in connecting intercom to mobile DVR. RS 422 is a ten-pin aviation plug. To conduct connection successfully, an extra adapter cable with ten-pin aviation plug is needed and the adapter cable's applying code is 101501250. The connection method is shown as the following figure.



Figure 3. 2 Connecting to Mobile DVR

Chapter 4 Adjusting Volume

Purpose:

Adopting full-duplex mode, DS-1350HMI Mobile Intercom enables two-way audio after the connection with mobile DVR or mobile enforcement system is done.

Steps:

1. Press buttons “+” and “-” to adjust the volume which is divided into 5 levels.
2. When pressing the volume button to adjust the volume, the LED indicator flashes for once. When pressing the volume button with no other operation in 3s, the LED indicator continuously flashes for 3 times, which indicates the current volume is saved.
3. Press the “+” button to the top level, and then the LED indicator does not flash when pressing “+” again, and the volume remains at the top level, vice versa.
4. Power the device on for first time, the volume remains at the third level by default. If the volume has been adjusted during the last use, the volume remains the same with your last settings.

Chapter 5 FAQ

1. **Mobile intercom's LED indicator is unlit after the wiring is done.**
 - Check whether the devices are started up normally.
 - Check the wiring, if the startup is normal.
2. **Failed to enable two-way audio.**
 - Make sure the intercom is successfully connected to the platform.
 - Make sure the platform's two-way audio is enabled.
3. **The sound quality is poor.**
 - Adjust PC's volume, or press the volume buttons to the ideal state.



First Choice for Security Professionals