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IPG12, IPG24

Microphone bases

Installation and programming manual

The logo for 'inim' is located at the bottom center of the page. It features the letters 'inim' in a blue, lowercase, sans-serif font. Above the 'i' and 'n' are three small dots.

Table of contents

1. Microphone bases description	3
1.1 Description of parts	4
1.2 Technical specifications	6
1.3 Connections	6
1.4 Buttons	7
2. Operation	9
3. Programming from the base	10
3.1 Base address and access code	10
3.2 Microphone type	11
4. General information	12
4.1 About this manual	12
4.2 Manufacturer's details	12
4.3 Warranty	12
4.4 Limited warranty	13
4.5 Documents for the users	13
4.6 Disposal of the product	13

1. Microphone bases description

Depending on the model, Inim Electronics S.r.l. microphone bases can be used for voice announcements in PA systems (Public Address systems).

They are equipped with a button for opening audio with disengagement on release and a button for opening audio with hold status until the next press.

They are equipped with configurable buttons for selecting zones or sound sources.

They also have a “speech filter” function which can be enabled during configuration.

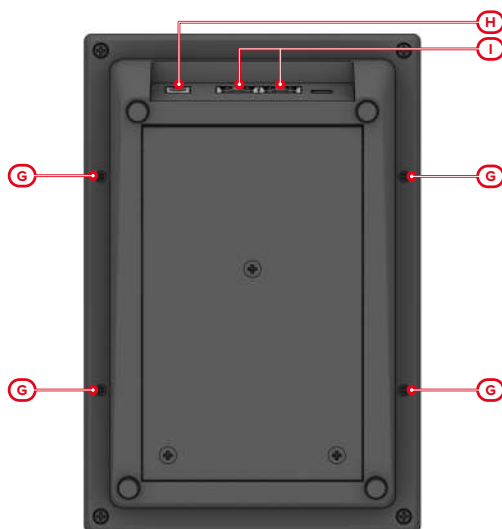
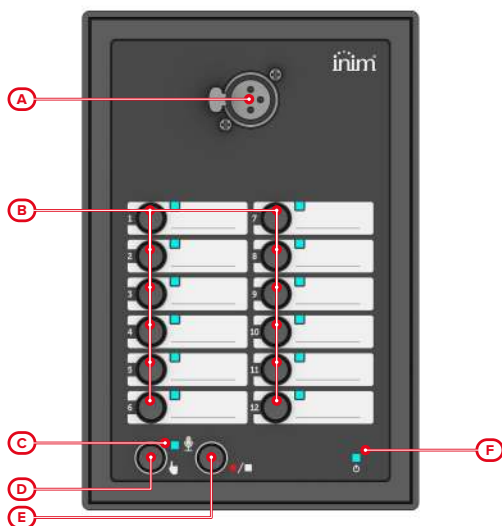
IPG12

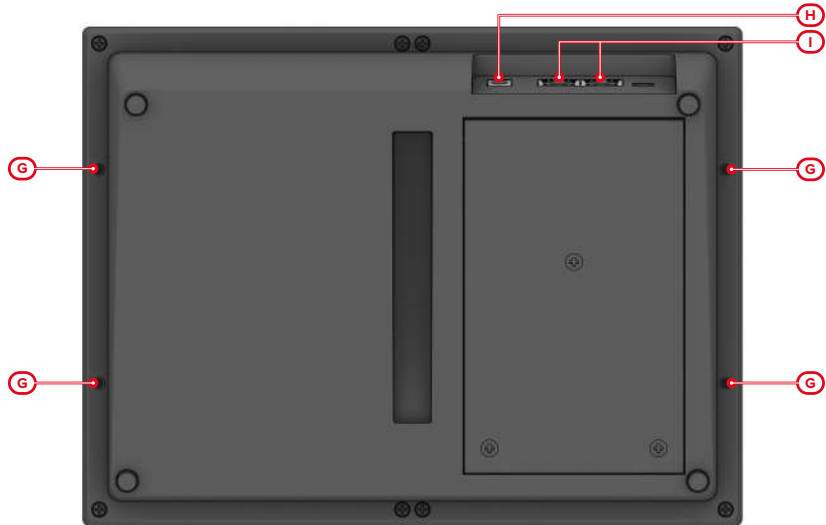
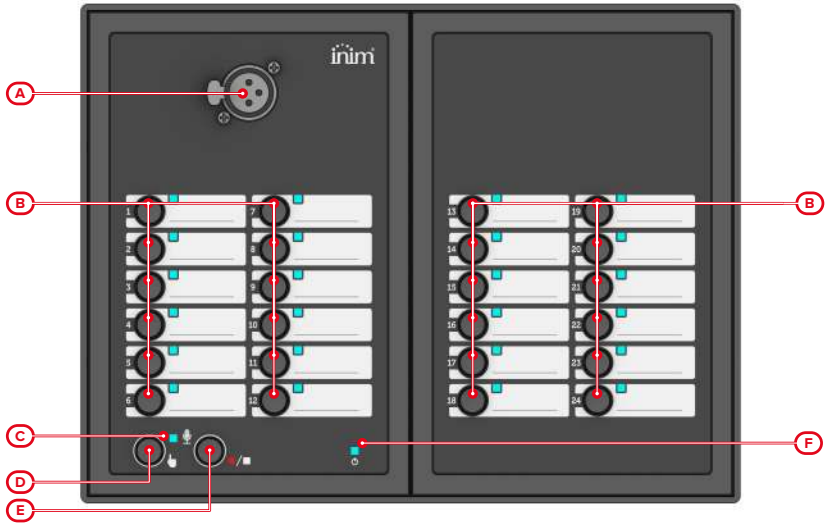
Microphone base for public address announcements equipped with 12 configurable buttons.

IPG24

Microphone base for public address announcements equipped with 24 configurable buttons.

1.1 Description of parts





[A] | Connector for microphone

[B] | Buttons and LEDs for selecting/deselecting zones or audio sources

[C]	Microphone activation LED
[D]	"Hold" button, to open audio with disengagement on release
[E]	"Lock" button, to open audio with maintainment until pressed again
[F]	Mains power active LED
[G]	Flush mounting screw hole
[H]	Power-supply connector
[I]	Line connector

1.2 Technical specifications

	IPG12	IPG24
Operating voltage	from 20 to 30 V $\overline{---}$ power supply from line or from local power supply	
Maximum current draw	25 mA	
Connection		
Line	A/B PAGERS from IFAMEVAC	
Cable	Double shielded not crossed cat. 5E SF/UTP	
Maximum distance	500 m	
Microphone bases per line	Max. 64	
Connector for microphone	XLR 3P receptacle	
Protection grade	IP 40	
Dimensions	134 x 72 x 195 mm	262 x 72 x 195 mm
Weight	720 g	1000 g
Operating environmental conditions		
Temperature	from -5 to +40 °C	
Relative humidity	≤95 % without condensation	
Configurable buttons	12	24

1.3 Connections

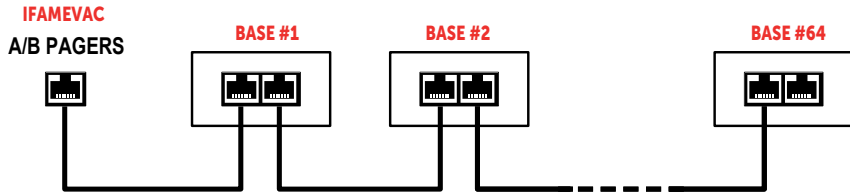
Microphone

The connection with the microphone is achieved via a 3-pole XLR connector on which to insert a gooseneck microphone or a PTT microphone.

Control panel

They also have a "speech filter" function which can be enabled during configuration.

The bases must be connected to the IFAMEVAC audio matrix module of the Previdia control panel via cat. 5E SF/UTP cable on the two distinct lines (A/B PAGER lines).



They also receive power from these lines, which can also be supplied by an optional external 24V power supply (IPS24024DT, from Inim Electronics, recommended).

On a single line, the admissible number of bases without external power supply depends on the length of the cable from the control panel to the furthest base:

cable length (m)	maximum number of bases
110	10
160	9
220	8
270	7
330	6
500	3



1.4 Buttons

In addition to the microphone, the microphone bases provide the user with buttons for operating the microphone and for interaction with the parts of the emergency system set up in accordance with the configuration.

Audio start buttons

Description of parts, [D] and Description of parts, [E]

Microphone activation buttons and playback of the voice message spoken into it or of the message selected using one of the configurable buttons.

icon		function
	Hold	Audio start button disengages on release of button
	Lock	Audio start button actuation maintained until pressed again

If the microphone is used, and no external source has been selected, once one of the two open audio buttons is pressed, the microphone activation LED will light up.



Configurable buttons

Description of parts, [B]


Buttons that, through appropriate programming, allow you to select a group of audio zones associated with the button. Following the selection, the relative LED lights up and, by pressing the open audio buttons, the messages will be played on these zones.


As an alternative to the zones, these buttons can be associated with pre-recorded voice messages or sound sources. Following the selection, the relative LED lights up and, by pressing the open audio buttons, the messages will be played on the entire system.

2. Operation

Microphone playback

1. Select the audio zones on which the voice message is to be played via the associated buttons (*Description of parts, [B]*).
2. Press the open audio button.



Press the “Hold”  button if you wish to keep the button pressed until playback ends.

Press the “Lock”  button if you wish to stop playback by pressing the button again.

3. The LED  will light up.

If the LED lights up solid, you can use the microphone.


If the LED flashes, the microphone of another microphone base with higher priority than the one in use is in operation. In such cases the microphone in use is disabled.


4. Speak the message into the microphone.
5. Stop playback by releasing the  button or by pressing the  button.



The selections made will be cancelled.

Playback from sound source

1. Select the audio zones on which the voice message is to be played via the associated buttons (*Description of parts, [B]*).
2. Select the sound source (pre-recorded message or external audio source, depending on the programming) via the associated button (*Description of parts, [B]*).
3. Press the open audio button.

Press the “Hold”  button if you wish to keep the button pressed until playback ends.

Press the “Lock”  button if you wish to stop playback by pressing the button again.

4. Playback of the selected message or source starts.
5. Stop playback by releasing the  button or by pressing the  button.

The selections made will be cancelled.

3. Programming from the base

Programming from the base involves setting up the base address, which is used by the control panel to identify the base on the line from the control panel, and the type of the microphone in use.

This programming is possible by means of the LEDs and buttons on the base itself.

3.1 Base address and access code

Entry into programming

1. Disconnect the power then reconnect the power to the base.
2. During the first 5 seconds after reconnecting the power supply, press and hold the configurable button "1" for several seconds (*Description of parts, [B]*).
3. Entry into programming is signalled by the rapid flashing of the green power LED.

Address programming

4. The base will show the current address.
 - The LED relative to button "1" shows the value of the tens of the address by means of the number of consecutive fast flashes.
 - The LED relative to button "2" shows the value of the unit of the address by means of the number of consecutive fast flashes.
5. Set the new address using buttons "1" and "2".
 - Each pressing of button "1" will add ten to the address value.
 - Each pressing of button "2" will add one to the address value.

Note

The address of the base must be a number between 1 and 64.



6. Press the "Lock"   button to save the address.
7. The base is in normal operating mode.

3.2 Microphone type

Entry into programming

1. Disconnect the power then reconnect the power to the base.
2. During the first 5 seconds after reconnecting the power supply, press and hold the configurable button "2" for several seconds (*Description of parts, [B]*).
3. Entry into programming is signalled by the slow flashing of the green power LED.

Microphone type programming

4. The base will show the current type of microphone type by means of the LED relative to button "1" status:
 - **rapid blinking**, microphone type will be chosen automatically
 - **LED OFF**, "gooseneck" microphone
 - **LED ON solid**, "push-to-talk" microphone
5. Press button "1" to scroll the setting options.
6. Press the "Lock"   button to save the microphone type.
7. The base is in normal operating mode.

4. General information

4.1 About this manual

Manual code: DCMIINEOIPG

Revision: 110

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4.2 Manufacturer's details

Manufacturer: Inim Electronics S.r.l.

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The persons authorized by the manufacturer to repair or replace the parts of this system have authorization to work only on devices marketed under the brand Inim Electronics.

4.3 Warranty

Inim Electronics S.r.l. (Seller, Our, Us) warrants the original purchaser that this product shall be free from defects in materials and workmanship under normal use for a period of 24 months.

As Inim Electronics does not install this product directly, and due to the possibility that it may be used with other equipment not approved by Us; Inim Electronics does not warrant against loss of quality, degradation of performance of this product or actual damage that results from the use of products, parts or other replaceable items (such as consumables) that are neither made nor recommended by Inim Electronics. Seller obligation and liability under this warranty is expressly limited to repairing or replacing, at Seller's option, any product not meeting the specifications. In no event shall Inim Electronics be liable to the purchaser or any other person for any loss or damage whether direct or indirect or consequential or incidental, including without limitation, any damages for lost profits, stolen goods, or claims by any other party caused by defective products or otherwise arising from the incorrect or otherwise improper installation or use of this product.

This warranty applies only to defects in parts and workmanship relating to normal use. It does not cover damage arising from improper maintenance or negligence, damage caused by fire, flood, wind or lightning, vandalism, fair wear and tear.

Inim Electronics S.r.l. shall, at its option, repair or replace any defective products. Improper use, that is, use for purposes other than those mentioned in this manual will void the warranty. Contact Our authorized dealer, or visit our website for further information regarding this warranty.

4.4 Limited warranty

Inim Electronics S.r.l. shall not be liable to the purchaser or any other person for damage arising from improper storage, handling or use of this product.

Installation of this Product must be carried out by qualified persons appointed by Inim Electronics. Installation of this Product must be carried out in accordance with Our instructions in the product manual.

4.5 Documents for the users

Declarations of Performance, Declarations of Conformity and Certificates concerning to Inim Electronics S.r.l. products may be downloaded free of charge from the web address www.inim.it, getting access to Extended Access and then selecting "Certifications" or requested to the e-mail address info@inim.it or requested by ordinary mail to the address shown in this document.

Manuals may be downloaded free of charge from the web address www.inim.it, getting access to the reserved area, after the login, and then to the section of each product.

4.6 Disposal of the product



Informative notice regarding the disposal of electrical and electronic equipment (applicable in countries with differentiated waste collection systems)

The crossed-out bin symbol on the equipment or on its packaging indicates that the product must be disposed of correctly at the end of its working life and should never be disposed of together with general household waste. The user, therefore, must take the equipment that has reached the end of its working life to the appropriate civic amenities site designated to the differentiated collection of electrical and electronic waste. As an alternative to the autonomous-management of electrical and electronic waste, you can hand over the equipment you wish to dispose of to a dealer when purchasing new equipment of the same type. You are also entitled to convey for disposal small electronic-waste products with dimensions of less than 25cm to the premises of electronic retail outlets with sales areas of at least 400m², free of charge and without any obligation to buy. Appropriate differentiated waste collection for the subsequent recycling of the discarded equipment, its treatment and its environmentally compatible disposal helps to avoid possible negative effects on the environment and on health and favours the re-use and/or recycling of the materials it is made of.



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