

Charger Amplifier

For Unication G-Series P25 Voice Pagers



Unication

Rugged. Reliable. Built to LAST.

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Note: Please read the following sections before using the Charger Amplifier for G-Series Voice Pagers.

※ IMPORTANT SAFETY INFORMATION

To ensure the safe use of this product:

- Use your charger amplifier only with the supplied power adaptor.
- Use the batteries provided by Unication for your G-Series product.
- Keep your charger amplifier away from high temperature, high humidity, dust, chemicals and corrosive materials.
- Do not disassemble your charger amplifier or power adaptor.
- 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.



A OVERVIEW

A-1 Standard Package:

Standard package contains:

- Charger Amplifier for Digital G-Series Pager (G2-G5)



- Adaptor



- External Antenna (VHF/UHF/700-800 MHz)



A-2 Specification:

	Item	Specification
Charging Type	Main Charging Socket	For one Digital G-Series Voice Pager (G2, G3, G4, G5)
	BT Charging Socket	For USB Device (BT headset supported)
Power Supply	Adaptor Input / Output	Input: 100~240VAC / 50~60 Hz Output: 12Vdc / 1.5A
	Normal Charge Current	900 mA / 5.0V
	Full Recharge Time	3 Hours
SPL	Alert Output	≧ 106 dBSPL
	Speech Output	≧ 104 dBSPL
	Audio Distortion	<ul style="list-style-type: none"> • Audio Distortion: <ul style="list-style-type: none"> Real Time Audio: < 5 % (Electrical) / < 6 % (Acoustic) Stored-Voice Playback: < 8 % (Electrical) / < 10 % (Acoustic)
External I/O	Audio Out	3.5mm Audio Jack *1
	Ext. Antenna Port	BNC Jack *1
	USB Charging Port	USB A-Type *1
	Controller Port	RS485 (DB-9 Female) *1
	Power Input (DC)	12Vdc / 1.5A
	Horn Speaker Port	4 Pin Port
	6 Pin DIN Port	6 Pin DIN Port
LED Indicators	Power LED	Green
	Charging LED	Red / Orange / Green
	Alarm LED	Orange / Green
	Horn Speaker LED	Orange / Green
Physical	Dimensions	L x W x H: 6.4 in x 6.1 in x 2.1 in (162 mm x 115 mm x 53 mm)
	Weight	21.176 oz (600g)
Handing Temperature	Operation Temperature	32°F ~ 104°F (0°C ~ 40°C)
	Storage Temperature	14°F ~ 140°F (-10°C ~ + 60 °C)
Certification	CE, FCC, RoHs, UL, CUL	



B OVERVIEW



B-1 Front View:



#	Description
F1	Speaker
F2	Volume Control Knob

B-2 Top View:

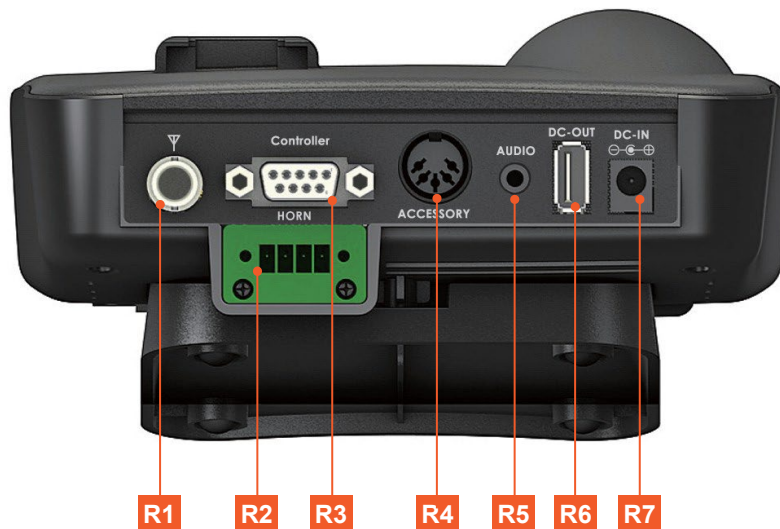


#	Description
F3	Pager Socket
F4	Alert Light
F5	Reset Button

B-3 LED Indicators:

#	Item	Color	LED Action	Description
F6	Power LED	Green	Steady	Charger Amplifier Power ON
F7	Charging LED	Orange	Steady	Pager is charging
		Green	Steady	Pager is fully charged
F8	Alarm LED	Off	Steady	Alarm device is not connected
		Orange	Steady	Alarm device is connected, no messages received
		Green	Steady	Alarm device is connected, receiving alarm messages
F9	Horn Speaker LED	Off		Horn Speaker is not connected
		Orange	Steady	Horn Speaker is connected, no message received
		Green	Steady	Horn Speaker is connected, Horn Speaker message received

B-4 Rear View:



#	Description
R1	External Antenna Port (BNC)
R2	Horn Speaker 4 Pin Horn Port
R3	Controller Port (RJ485)
R4	Alarm Device 6 Pin Din Port
R5	Audio Out
R6	USB Charging Port
R7	Power Input (DC)

C OVERVIEW

1 Power Source:

Connect the Charger Amplifier to power outlet (110/60 Hz) with the supplied Adaptor.

2 Charging G-Series Pager:

Insert the G-Series Voice Pager into Charger Amplifier's Pager Socket tightly. The charging process starts with the Charging LED indicator turning orange. When the battery is fully charged, the LED turns green.

3 Charging USB Device:

Connect the USB device to the Charger Amplifier's USB Charging Port with USB Cable.

4 Voice Message Amplification:

Turn on G-Series Voice Pager and insert into the Charger Amplifier's pager socket.

When the pager receives voice messages, it will be amplified based on the volume knob setting.

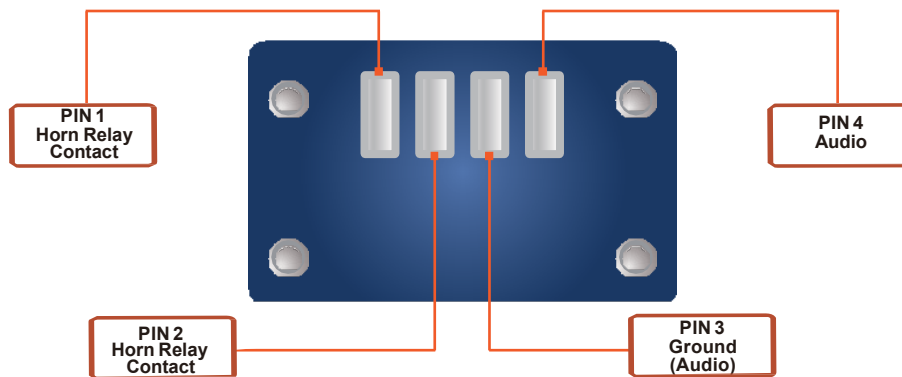


5 External Antenna Port:

Unication provides the antenna below with the G2-G5 Charger Amplifier:
Multi-Band (VHF, UHF, 700-800 MHz)

6 Horn Speaker 4 Pin Horn Port:

PIN 1 Horn Relay Contact
PIN 2 Horn Relay Contact
PIN 3 Ground (Audio)
PIN 4 Audio*



7 Controller Port: (RJ485)

The Controller Port is for external LED or Uni-controller use.

PIN 3: RS485_A
PIN 2: RS485_B
PIN 3: RS485_A
PIN 2: RS485_B

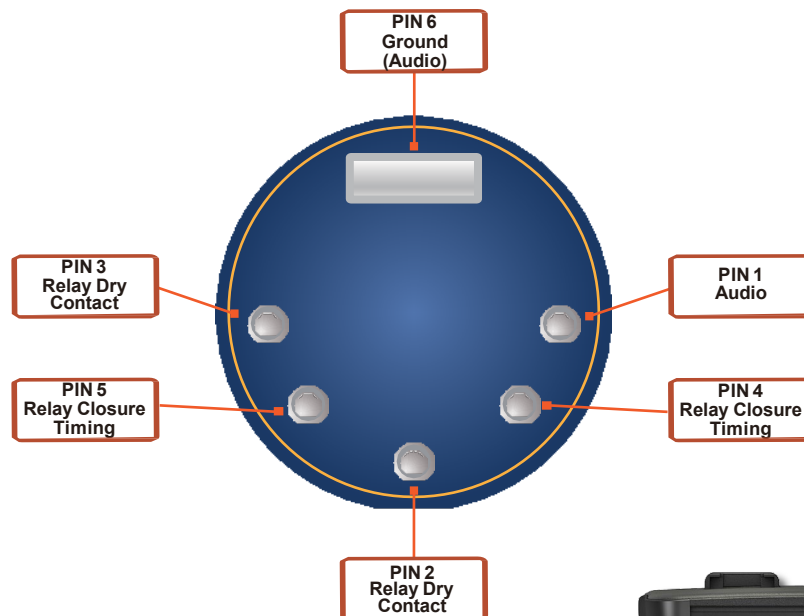


8 3.5mm Audio Jack:

This connections audio output is controlled by the volume knob on the device and mutes the onboard speaker when in use.

9 Alarm Device 6 Pin Din Port:

DIN Jack Pin Definition:



- PIN 1 Audio*
- PIN 2 Relay Dry Contact
- PIN 3 Relay Dry Contact
- PIN 4 Relay Closure Timing
- PIN 5 Relay Closure Timing
- PIN 6 Ground (Audio)

**This Connection provides line level audio not controlled by the volume knob. Using this connection will not mute the onboard speaker.*

Relay Dry Contact Closure Specs:

(Pins 2 and 3) When the accessory relay is energized, its contacts close and present a short across pins 2 and 3 of the connector. The relay contacts are rated for 10 watts maximum at 28VDC/ACRMS. Within the limits of the 10-watt rating the closed contacts can handle up to 750mA continuously and switch up to 400mA of current.

Relay Control:

Relay Control is set up from inside the G-Series Voice Pager PPS (Pager Programming Software). Navigate to the "Group ID Setting" tab of PPS and in the Group ID list, select the option for "Relay Control" to enable and program Amp Charger relay control.

10 USB Charging Port:

This port is for charging USB device and Bluetooth earpiece (5V/300mA).

11 Power Input:

The Charger Amplifier for G-Series Pagers uses a 12V/1.5A DC ADAPTOR, power input is 100~240VAC with maximum power 18W. Please connect to the power outlet with supplied power adaptor.

12 External Equipment Control:

The Charger Amplifier provides a variety of I/O for external device control.

12-1. Horn Speaker (Loudspeaker)

Step 1. Insert a powered-on G-Series Pager into the Charger Amplifier.

Step 2. Select RCA connector and connect the external equipment.

Step 3. When any message is received, the relay closure is asserted and audio is active.

Step 4. Audio can be terminated by either shutting the G-Series Voice Pager off or depressing the Reset button on the pager.

12-2. Fire Alert Indicator

Step 1. Insert a powered-on G-Series Voice Pager into the Charger Amplifier.

Step 2. Using the DIN Connector, connect the external equipment to the appropriate signaling pins.

- Pins 1 and 6 are outputs and are used to control a remote speaker.
- Pins 2 and 3 are normally open dry contacts and close when a page is received.
- Pins 4 and 5 are not utilized on the G-Series Amplified Charger, all timing of the dry contacts is controlled via the PPS (Pager Programing Software).

Step 3. Upon receiving a page, the relay and audio output are activated.

13 Amp Charger Connectors:

G-Series Charger Amp Terminal Connector Block

Part Number: 2811923-AMP



G-Series Charger Amp Din Connector

Part Number: CP-1050-ND





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