

封面



CHARGER AMPLIFIER USER GUIDE

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1. PREFACE

Unication thanks you for purchasing the G1 product. Before using the G1 charger amplifier, please read this manual and follow the instructions for correct charging and installation of the other accessories.

1-1 IMPORTANT SAFETY INFORMATION

This charger is used for the G1 pager only. Please be aware of the following important information for the safety on using the G1 charger amplifier.

- ※ Use your charger only with the original power adapter.
- ※ Do not put a pager with a non-rechargeable battery inside into the charger.
(Using a rechargeable battery provided by Unication is recommended.)
- ※ Keep your charger away from any dangerous environments with high temperature, high humidity, dust, chemicals and corrosive materials.
- ※ Do not disassemble your charger or power adapter.
- △ 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, and (2) this device must accept any interference received, including interference that may cause undesired operation.


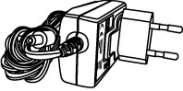
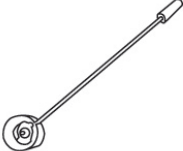

(暫時先放 FCC 文字)

△ IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS.
△ DANGER - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK,
CAREFULLY FOLLOW THESE INSTRUCTIONS.
△ For connection to a supply not in U.S.A., use an attachment plug adapter
of the proper configuration for the power outlet if needed.

2. PACKAGE CONTENT

2-1 STANDARD PACKAGE


The G1 charger amplifier standard package contains the following items :

ITEM	Charger Amplifier	DC Power Adapter	External Antenna	User's Guide
Illustration				

※Referred picture

2-2 OPTIONAL PACKAGE

The G1 charger amplifier optional package contains the following items :

ITEM	Vehicular Charging Adaptor Cable
Illustration	

※Referred picture

3. APPEARANCE

3-1 FRONT VIEW



No.	Introductions
①	Speaker
②	Volume Control Knob
③	Pager Socket
④	Spare Battery 2 Charging LED
⑤	Spare Battery 1 Charging LED
⑥	Reset Button
⑦	Horn Speaker Status LED
⑧	G1 Charging LED & Power onLED
⑨	Alert 警示燈
⑩	Spare Battery Socket

標號改成 F1、F2、、、、.....

9. Alert LED

3-2 REAR VIEW



No.	Output Introductions
①	Antenna Jack
②	4 Pin 端子台Socket
③	Controller Jack
④	6 Pin DIN Jack
⑤	Earphone Jack
⑥	Bluetooth Headset Jack
⑦	Power Socket

標號改成 R1、R2、 、 、

2. 4 Pin Connector Socket

6 改成 Bluetooth Headset Charging Jack

3-3 LED INDICATOR

G1 Charger Amplifier 提供下列不同的 LED 指示燈以顯示 Charger 不同的狀態：

No.	LED Status	Color	LED Action	Definition
1	Charger AMP. Power LED & G1 Charging LED	Green	Constant light 1 second	Standby (Power On)
		Orange	Constant light	G1 Battery Charging
		Green	Constant light	G1 Battery Full
		Red	Blink	G1 Battery Error
2	Spare Battery 1 Charging LED & Spare Battery 2 Charging LED	Orange	Constant light	Spare Battery Charging
		Green	Constant light	Spare Battery Full
		Red	Blink	Spare Battery Error
3	Alert LED	Green	Blink	Alert Message Incoming
4	Horn Speaker Status LED	Green	Blink	Horn Speaker Active

4. INSTALLATION

4-1 Power Connection

G1 Charger Amplifier Power Source Option :

- a. **DC 12V Power Adapter**— Plug Adapter plug on, and then plug DC Jack plug into G1 Charger Amplifier DC12V power socket.
- b. **Vehicular Charging Adaptor Cable**— Plug the vehicular charging adaptor cable into power socket on the vehicle, and then plug DC Jack plug into G1 Charger Amplifier DC12V power socket.

4-2 External Antenna Installation

G1 Charger Amplifier External Antenna Option:

- a. **Low Band Antenna**
- b. **VHF/UHF**

Please follow the instruction of the external antenna to install the antenna.

5. Function Instruction

5-1 CHARGING

5-1-1 CHARGING G1 UNIT

G1 Charger Amplifier should be used to G1 pager only. Before charging the G1 pager, please make sure that the batteries inside the pager are rechargeable (Ni-MH) type battery.

(Recommendation: Please use the battery provided by Unication.)

Step 1. Please insert the pager into the charger's pager pocket as in the following illustration:



Step 2. Once the pager is inserted correctly the charger amplifier will detect the battery and start charging. When the pager is being charged, the charging LED will turn into orange.

Step 3. When the pager is fully charged, the charging LED will turn into green.

NOTE: When the charging hour or the charging voltage is exceeding, the charging LED will turn

red and flash to indicate the abnormal operations. Please remove the pager from the charger to stop charging.

NOTE: The charging green LED will remain flashing if ambient temperature is below 0°C or higher than 50°C. Please remove the pager from the charger to stop charging.

5-1-2 CHARGING SPARE BATTERY

The Unication's G1 charger amplifier offers Ni-MH spare rechargeable batteries charging functionality.

Step 1. Put the rechargeable batteries into battery pocket as following illustration:

(Recommendation: Please use the battery provided by Unication.)



Step 2. Once the Ni- MH rechargeable batteries are inserted correctly, the charger amplifier will detect the battery and start charging. When the rechargeable batteries are being charged, the charging LED will turn into orange.

Step 3. When the rechargeable batteries are fully charged, the LED will turn into green.

Step 4. When exceeding normal charging hour or charging voltage, the charging LED will turn red and flash to indicate the abnormal operations. Please remove the spare batteries from the charger amplifier to stop charging.

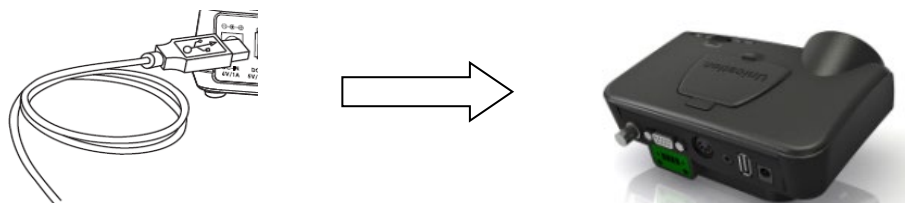
5-1-3 CHARGING EXTERNAL BLUETOOTH HEADSET

The Unication's G1 charger amplifier offers the external Bluetooth headset charging functionality.

(※Please make sure the charging specification of your Bluetooth headset meets the charging limitation (4.5 V ~ 6.5 V) of the G1 Charger Amplifier)

Step 1. Insert the Bluetooth charging cable to the Charger Bluetooth headset charging jack as following illustration.

Step 2. Connect Bluetooth headset with its charging cable



5-2 Voice Message Amplify

G1 Charger Amplifier supports to amplify the voice message of G1 Voice Pager as the following steps:

Step 1. Put G1 Voice Pager on G1 Charger Amplifier.

Step 2. When G1 receives RF signal, G1 Charger Amplifier activates Speaker audio and plays voice messages automatically.

Step 3. When user pulls out G1Pager from Charger Amplifier, Charger Amplifier stops amplifying voice message. User can also turn off the G1 Pager to stop the amplifier.

5-3 External Equipment

G1 Charger Amplifier supports external equipment as Horn Speaker and Fire Alert Indicator. Also, G1 Charger Amplifier can link to Unication Controller to control the power or level of external equipments.

5-3-1 Horn Speaker

G1 Charger Amplifier support external Horn Speaker as the following steps:

Step 1. Put G1 Voice Pager on G1 Charger Amplifier.

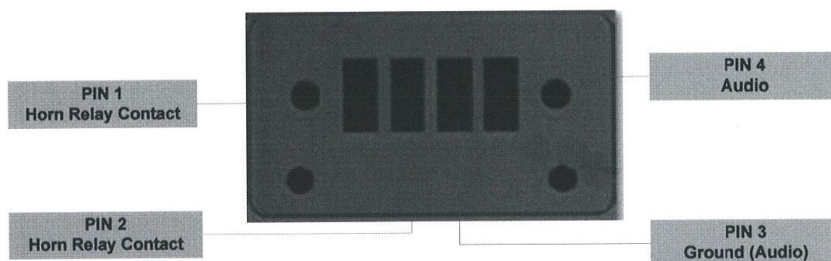
Step 2. Link Horn Speaker Connector to Horn Speaker.

Step 3. When G1 receives RF signal, G1 Charger Amplifier activates Speaker audio and external Horn Speaker, then plays voice messages automatically.

Step 4. When user pulls out G1Pager from Charger Amplifier, Charger Amplifier stops Horn Speaker amplifying voice message.

Step 5. User can also turn off the G1 Pager to stop the Horn Speaker.

※ Horn Speaker Connector Pin locates on rear side, following is the definition of 4 PIN:



5-3-2 Fire Alert Indicator

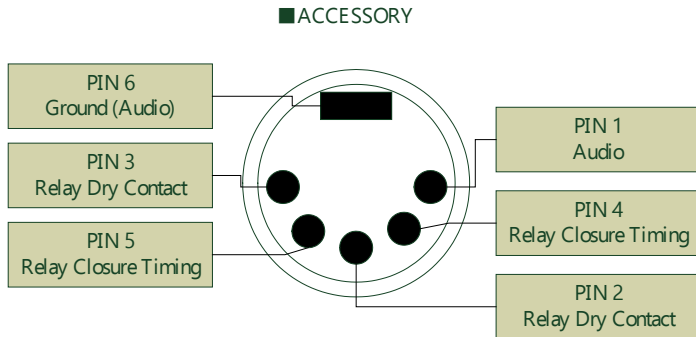
G1 Charger Amplifier support external Fire Alert Indicator as the following steps:

Step 1. Put G1 Voice Pager on G1 Charger Amplifier.

Step 2. Link DIN Jack cable to Fire Alert Indicator ◦

Step 3. When G1 Pager receive RF signals, G1 Charger Amplifier activates Fire Alert Indicator.

Note: When PIN4 and PIN5 of DIN Jack are “Open”, **Fire Alert Indicator blinks 10 seconds.** Otherwise, **Fire Alert Indicator continues light till users press Reset Button when PIN4 and PIN5 are closure.**



6. SPECIFICATION

6-1 GENERAL SPECIFICATION

Item		Specification
Charging Type	Main Charging Slot	For G1Pager *1
	Spare Charging Slot	For Spare Ni-MH Battery AAA * 2
	BT Charging Socket	For BT Headset (USB A-Type)
Power Supply	Adaptor Input / Output	Input : 100~240VAC / 50~60 Hz Output : 12Vdc / 1.5A
	Normal Charge Current	800mA/2.4V (G1Pager)
		800mA/1.2V (Spare Battery AAA*1)
		80mA/5.0V (BT Headset)
Full Recharge Time	2.5 Hours	
SPL	Alert output	≥ 106 dB
External I/O	Audio Out	3.5 Ø Earphone Jack *1
	Ext. Antenna Connector	BNC Jack *1
	Bluetooth Charging Port	USB A-Type *1
	Data Transfer	RS485 (DB-9 Female) *1
	DC Jack	12Vdc / 1.5A
	Connector Socket	4 Pin Connector Socket (For External Horn Speaker)
	DIN Jack	6 Pin DIN Jack
Physical	Dimensions	162(L) x 115(W) x 53(H) mm
Handing	Operation Temperature	0 ~ + 40°C

Temperature	Storage Temperature	-10 ~ + 60 °C
Certification		CE,FCC,IC, RoHs, UL,

6-2 POWER ADAPTOR SPECIFICATION

Item	Specification
Input Voltage	AC 90-265V ; 47~63Hz
Output Voltage	DC 12V
Output Current	1.5A
Adaptor Power	18W
DC Power Cord Length	1.8m
AC Plug Type	North America, Europe, Australia and UK Standard
Adaptor Efficiency	82.6% Meet Energy Star Standard
Charger Charging Specification	CC mode, Constant Current
	CV mode, Constant Voltage

6-3 EXTERNAL ANTENNA SPECIFICATION

ITEM	BAND	
	UHF Band	VHF Band
Operation Frequency Range	380 ~ 512MHz	138 ~ 174MHz
Input Return Loss (VSWR)	≤ 2	≤ 2
Antenna Gain	$\geq -5\text{dBI}$	$\geq -8\text{dBI}$
Length	$\leq 60\text{cm}$	$\leq 60\text{cm}$
Weight	$\leq 300\text{g}$	$\leq 300\text{g}$
Terminal Impedance	50 ohm	50 ohm

封底



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