FRONT

01 Power switch
02 Power LED

03 Network status LEDs (Link/Active)

REAR

01 Line A (4-Wire, RJ-45)
02 Line B (4-Wire, RJ-45)
03 Line C (4-Wire) Input (XLR-3F)
04 Line C (4-Wire) Output (XLR-3M)
05 Line D (4-Wire) Input (XLR-3F)
06 Line D (4-Wire) Output (XLR-3M)
07 PC PROG (25-pin female D-type)

08 GPIO (25-pin male D-type)
09 PoE Input (RJ45)
10 LAN 1 (RJ45)
11 LAN 2 (RJ45)
12 12VDC 3.33A Power Input
13 12VDC 3.33A Power Input for duplex
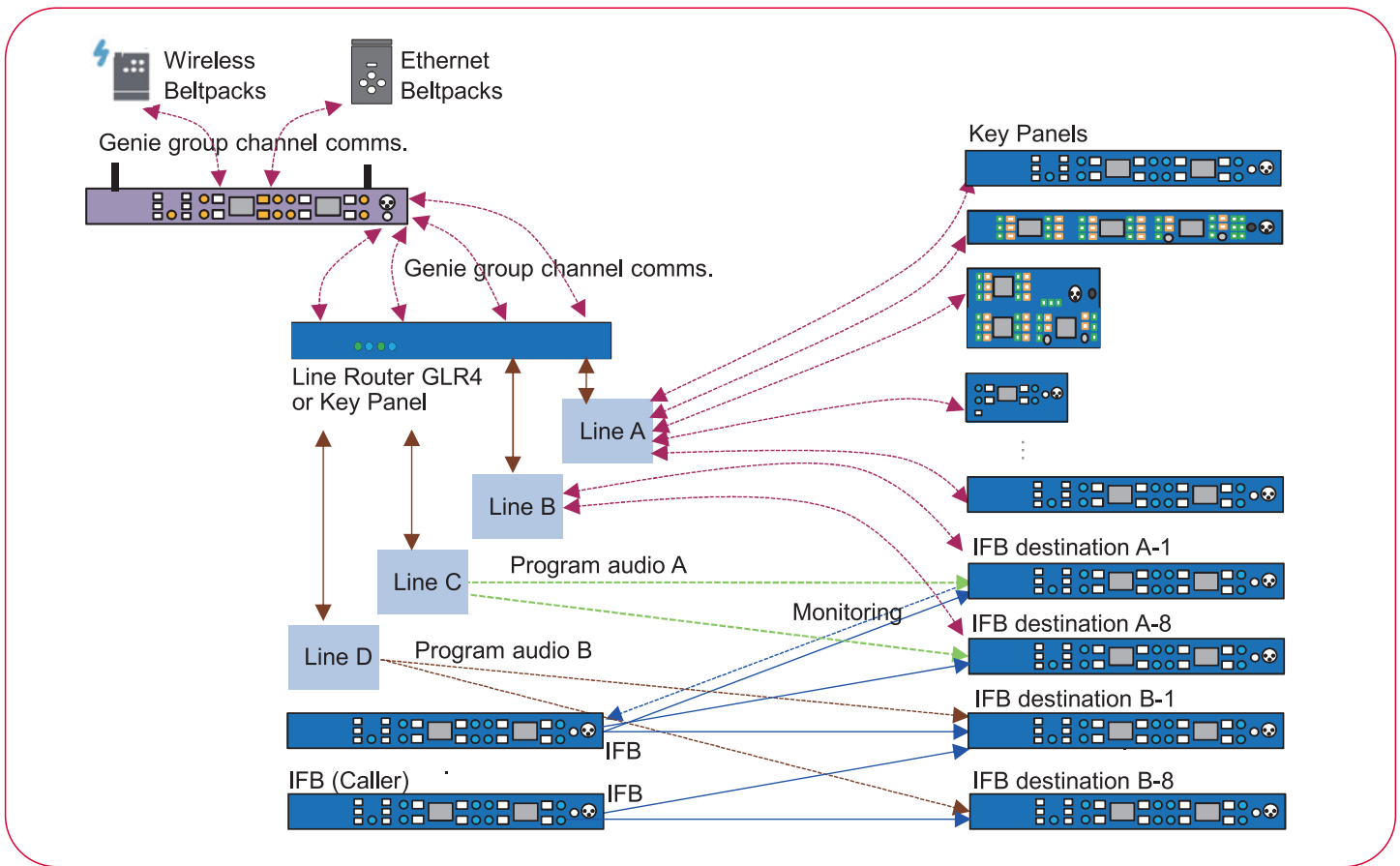**14** Chassis ground hole

Genie Line Router GLR4 supports full-duplex audio routing communications between the external audio devices connected to Genie through input/output of Line A/B/C/D, and Genie specific Key Panels or Genie group conference channels while a Talk key is not allocated for the communication.

Also, by setting GLR4 in master mode, Genie Key Panel and IP Beltpack can have communications in five Genie group conference channels even without a Base Station. Genie wired system including Key Panel and IP Beltpack can be configured with GLR4 without a Base Station. Meanwhile, GLR4 is not necessary when configuring a Genie wired system with only Key Panels without an IP Beltpack.

GLR4 Specification

Line A and Line B (4-Wire)	Two RJ-45, 600Ω balanced, level adjustable
Line C and Line D (4-Wire)	Input XLR-3F, Output XLR-3M, 600Ω balanced, level Adjustable
GPIO, 12VDC, AUX (D)	DB25M, 2 Relay outputs and 2 Opto-isolated inputs, 12VDC, 600Ω unbalanced, level adjustable
PC PROG	25-pin D-sub female to upgrade the firmware
PoE Input	RJ-45 Connector, 100Mbps Standard PoE specification
LAN	Two RJ-45 Connectors, 100Mbps Standard LAN specification
Power Supply	Consumption: 8 watts Two 12VDC inputs, PoE input The external PSU provides 12VDC 3.3A and at its input takes 100-240VAC, 47-63Hz
Operating Temperature	0°C to 50°C (32°F to 122°F)
Dimensions	16.83W x 8.03D x 1.73H inch (42.75W x 20.4Dx 4.4H cm)
Weight	7.05 lb (3200g)

Line Router's audio paths with Base Station BS1000

Wireless Beltpacks

Ethernet Beltpacks

Genie group channel comms.

Genie group channel comms.

Key Panels

Line Router GLR4 or Key Panel

Line A

Line B

Program audio A

Line C

Monitoring

Line D

Program audio B

IFB destination A-1

IFB destination A-8

IFB destination B-1

IFB (Caller)

IFB

IFB

IFB destination B-8

Line Router connection with Key Panels

IP Beltpack

IBP10

POE Switch

Key Panel

GRP16

4 x 4Wires

Line Router Master

GLR4

Console

WAN Link

GWL

Key Panel

GRP32

Key Panel

GRP16

Router

WAN Link

WAN Link

WAN Link

WAN, LTE Internet

GRP16

Cue Light

GRP8-12V

Walkie-talkie

Key Panel

GRP16

GRP8-12V

GRP8-12V

GDP4

Key Panel

GDP16

Audio interface

Dante   USB

External devices

— 4-Wire
— LAN
— PoE In

GENIE
INTERCOM

LaON Technology