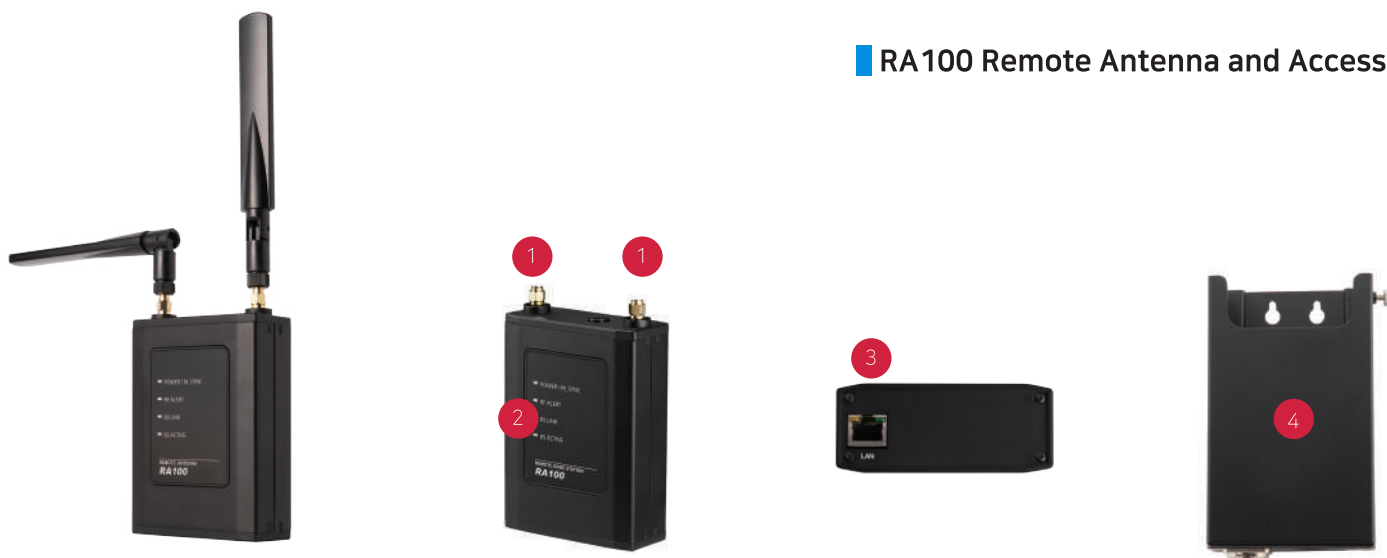


RA100 Remote Antenna and Accessory



- 01** Antenna connectors
- 02** Power/Multi-Sync, RF Alert, BS Link, BS Active LEDs
- 04** 100Mbps, PoE input (RJ45, PD)
- 05** Antenna holder with a Neutrik connector for LAN RJ-45 (optional)

Genie Remote Antenna can be configured with Genie Base Station BS1000 or BS850 and it dramatically increases wireless coverage with additional Repeaters. Using a standard LAN network, you can easily integrate multiple studios or floors by deploying Remote Antenna and Repeater in each coverage. RA100 is a PoE(Power over Ethernet) enabled antenna and supplied the power through a LAN cable. Automatic roaming is available between the Base Station, Remote Antennas and Repeaters connected in a system.

Up to 6 Remote Antenna RA100DW or RA100 can be connected to a Base Station BS1000 and 10 Repeater RBS85, per each Remote Antenna which is exceptionally scalable. Up to 128 Wireless Beltpacks or Wireless Receivers, and 22 Ethernet Beltpacks or Key Panels or Repeater can be connected to a Remote Antenna. Each Base Station or Remote Antenna provides 10 additional Talk paths and unrestricted Listen paths. Therefore, one Base Station BS1000 with 6 Remote Antennas provide up to 70 Talk paths and unrestricted Listen paths for the wireless Beltpacks or other Genie IP devices. Remote Antenna is a highly scalable and efficient key product of Genie that delivers the best intercom communication experiences at various performance venues and large scale of events.

- ▶ External antennas with 1 x PoE IN
- ▶ Up to 6 RA100/RA100DW connection per Genie BS1000 Base Station and 3, per Genie BS850 Base Station
- ▶ UP to 10 RBS85 Repeater connection per one Remote Antenna RA100/RA100DW
- ▶ Up to 128 Wireless Beltpack or Receiver connection per any wireless antenna of Base Station, Remote Antenna and Repeater
- ▶ Up to 22 IP Beltpack or Key Panel or Repeater connection per one Remote Antenna RA100/RA100DW
- ▶ 10 Full-duplex Talk channels per Remote Antenna and 70 Full-duplex Talk channels with a BS1000 and 6 Remote Antennas

RA100 Specification

RF Frequency	Use 20Mhz channels within the 5GHz UNII band from 5180 - 5845MHz depending on regions
Antenna	External 1/2 -wave dipole, SMA connector
RF Modulation	QPSK
Beltpack connection per Remote Antenna	128 Wireless Beltpacks or Receivers can be connected. 10 Talk paths and 128 Listen paths are supported per Remote Antenna.
PoE Input	RJ-45 Connector, 100Mbps Standard PoE specification
Power Supply	Consumption: 6 watts RJ-45 Connector, 100Mbps Standard PoE specification
Operating Temperature	0°C to 50°C (32°F to 122°F)
Dimensions	3.46W x 1.47D x 4.80H inch (8.8W x 3.74D x 12.2H cm) without Antenna holder
Weight	1.01 lb (460g with Antennas)