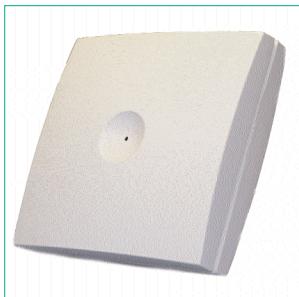


CS600™

WIRELESS TELEPHONE SYSTEM



TECHNICAL DATA SHEET

CS600 Base Station (2G4 RFP) and Repeater (2G4 RPT)

2G4 RFP Base Station

The 2G4 RFP base station controls the traffic channels and the signals between the CH70 and the CS600 Site Host. Base stations are connected to the Site Host through two-wire standard twisted pair cables. Only one pair is required per base station. The cable length can be up to 2,000 meters (6600ft). Each base station has a coverage radius of between 50 and 600 meters (165-1980ft), depending on the building construction within the area. With a Multitone Repeater it is possible to enlarge the distance by up to 1,000 meters (3300ft).

Features

- Encrypted and secure
- 4 simultaneous traffic channels
- Diversity Antenna
- Fast and simple installation - two wired twisted pair cables connected to the site host
- No external power required - powered directly from the site host
- Diagnostic tool functions via the site host
- Load new software via serial port
- Configuration parameters via site host and serial port

2G4 RPT CS100 AND CS600 REPEATER

Features

- Repeater multi-hop (up to 3 Repeaters in a chain)
- Compact and low profile
- Lightweight

The 2G4 RPT Repeater is used to extend the coverage of a CS100 or CS600 system. A Repeater is not a real base station, as it does not increase the number of traffic channels. It will also provide a larger physical distribution of the traffic channels and thereby expand the radio service area of the traffic channels, established with the base station.

The CS100 or CS600 Repeater can be supplied with an external directional antenna for establishing connection between the Repeater and the existing base station installation. The Repeater can be used for creating radio coverage in a remote area connected to the original installation without cabling. This provides additional coverage capability where cabling is impossible or very expensive to install. It is particularly useful for providing coverage for temporary locations.

TECHNICAL DATA SHEET



CS600 Base Station (2G4 RFP) and Repeater (2G4 RPT)

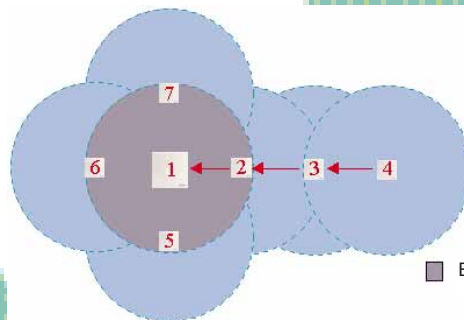
CS600 Base Stations and Repeaters-Technical Data

BASE STATION 2G4 RFP

Maximum number:	32
Size:	6.5in L x 6.5in H x 1in D
Power requirements:	48V DC
Power consumption:	1.5 Watts
Power Input:	250mW
Voice channels:	4
Radio antenna:	Diversity
Range:	Up to 990 ft (300 meter) line of sight
Weight:	64 oz (160 gms)

REPEATER 2G4 RPT

Maximum number:	16
Size:	4in L x 4in H x 1in D (102mm x 102mm x 25mm)
Power requirements:	110V AC
Power consumption:	1.5 Watts
Radio transmission power:	250mW
Radio voice channels:	2 max.
Radio antenna:	Internal diversity or external planar directional
Host to repeater range:	1 Km (1000 meters) with external antenna or 330 ft line of sight
Range:	Up to 990 ft (300 meter) line of sight
Weight:	64 oz (160 gms)



NOTE: A host base station and a repeater have a maximum of four voice channels of which the repeater can use two.

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