



Digital Intercom System Model A99-14CRG Charging Unit

On land or at sea; for facilities or mobile platforms, in harsh, noisy environments or in quiet areas over long distances; for single or multi-channel system needs; with wired security and wireless mobility, the Series 9100 Digital Intercom System provides communication clarity for the working world.

The A99-14CRG is a next generation four-bay battery charger designed for 3.7V Li-Polymer batteries (David Clark p/n 40688G-90), used with 9100 and 9900 Series Wireless Belt Stations. Power cable options are sold separately and are available in a variety of AC and DC configurations.

Each battery is charged independently of the others, and anywhere from one to four batteries may be charged at a time, with charge status indicated by a multi-color LED next to each battery bay. A full charge to a completely discharged battery is attained within 3-4 hours and allowing operation for over 24 hours between charges.



P/N: 41034G-02

WHAT IT HAS...	HOW IT HELPS...
4 independent battery bays	Provides independent charging cycles for up to four (4) Li-Polymer batteries (p/n: 40688G-90), in order to ensure a charged battery is always available when it's
Separate LED indicators	Each bay is provided it's own tri-color status indicator, so you can always tell the progress of any battery's individual charge cycle
Articulating battery holders	Four (4) Spring-loaded, detented holder mechanisms ensure constant contact with charging terminals and remain secure in the charging bay in mobile applications during sudden stops or motion shifts
Fail-safe operation	Ensures proper chargign through current/voltage stages, constant monitoring of battery's internal thermistor to determine and alert (via red LED) of low/high temperature states
Multiple application options	Desktop and surface mount bracket kits included; numerours power cord kits available for differing power sources (see back page), resulting in a truly versatile charging solution

The A99-14CRG is designed for interior use only, and is not intended to be used outside or anywhere excessive moisture or temperature extremes may exist. Not suitable for marine or other corrosive environments without appropriate protective measures.

A99-14CRG - Technical Data

PHYSICAL	
Weight	10.4 oz/295g
Dimensions (general)	4.75"L x 3.25"W x 3.5"D
Power Connection Scheme	DC power jack, mates with C99-14xxx Series Power Cord Kits

ELECTRICAL	
Input Voltage	5 to 15VDC
Input Current	5A (max)
Output Voltage	4.2VDC
Output Current	850mA per battery (max), 4A total (max)
Battery Compatibility	Li-Polymer 3.7V, 2260mAh (P/N: 40688G-90)

MECHANICAL	
Mounting Method	Surface-mount or desktop mount kits (both included)
Enclosure Material	Polycarbonate (enclosure), ABS (battery holders)
Operating Temperature	32° to 100°F (0° to 38°C)

POWER CORD KITS	
C99-14AC1	
Components	Power cord and power converter
Cord Length(s)	7.5ft/2.3m (power cord); 4.9ft/1.5m (power converter)
Power Source	110VAC
C99-14AC2	
Components	Power cord and power converter
Cord Length(s)	6.5ft/2m (power cord); 4.9ft/1.5m (power converter)
Power Source	230VAC
C99-14DC1	
Components	Power cord, with waterproof fuse-holder and 5A fuse
Cord Length(s)	20 ft/6.1m
Power Source	5 to 15VDC
C99-14DC2	
Components	Power lead, power cord w/plug, converter (8 to 34VDC input, 5V output)
Cord Length(s)	20ft/6.1m (source to converter); 10ft/3m (converter to charger)
Power Source	8 to 34VDC
C99-14DC3	
Components	Power cord, with waterproof fuse-holder and 5A fuse
Cord Length(s)	10ft/3m
Power Source	5 to 15VDC



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