

HAS DECT TECHNOLOGY

HAS ECHO AND NOISE SUPPRESSION

IS THE ONLY CERTIFIED CORDLESS
HANDSET FOR AERONAUTICAL USE

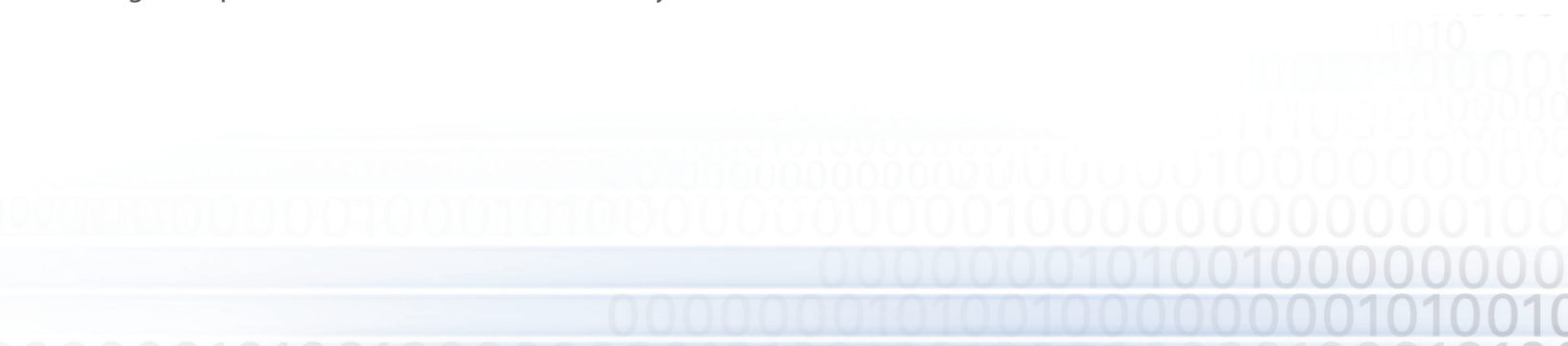


ICG DECT CORDLESS HANDSET

TELEPHONE

The ICG DECT Cordless Handset is an ergonomic and stylish handset adapted for aeronautical applications. This device is based upon the proven DECT technology with modifications to make the device compliant with requirements for fire retardancy and emissions. A custom-designed latching, charging cradle permits mounting and restraint of the device in the aircraft cabin.

In addition, active noise reduction has been enabled to reduce cabin noise transmission and an auto shut off circuit is installed to automatically turn off the handset upon loss of aircraft power or extended non-use, preserving battery power. Multiple cordless units can be installed in the aircraft cabin, either mounted into the drink rails or fastened to a bulkhead. Each system provides a single telephone circuit connected to a CTU system or transceiver via a standard



DECT CORDLESS HANDSET SPECIFICATIONS

HARDWARE

The DECT cordless system has three primary components:

- Handset
- Base unit which is typically mounted in a hidden non-metallic area
- Charging cradle that connects to the Base unit and provides charging current for the handset and latches the handset

For applications where credit card calling is required:

- ICG provides a bulkhead mount magnetic stripe reader that can be connected with the cordless handset circuit
- An ICG external ringer can be connected to the cradle unit for a louder indication of an inbound call
- ICG offers an optional stand alone Charging Cradle that charges directly from Aircraft power

OPERATIONAL TESTS

- DO-160D Tests – Category “M” Equipment
- 21.3 Conducted RF emissions
- 21.4 Radiated emissions
- Far 25 - Fire retardency (base and cradle)
- Temperature: 0° C to 50° C

AUDIO CHARACTERISTICS

AC Impedance: 600 ohm

DTMF Dialer Level: -3dbm0 into 600 ohm

Band Pass Audio: 300 Hz to 3400 Hz

DTMF Tone Duration: Manual dial – 80 ms. tone

Redial: 80 ms on/80 ms off

Flash: 600 ms

- Standard 2-Wire “Tip and Ring” loop
- Active noise reduction
- Auto shut-off circuit turns off handset upon extended non-use or loss of aircraft power

TELEPHONE SPECIFICATIONS

Dimensions: (L x W x H)

Base Unit:
8.0 in x 5.0 in x 2.2 in
(205 mm x 125 mm x 56 mm)

Cradle:
7 in x 2.9 in x 2.2 in
(180 mm x 74 mm x 56 mm)

Weight (Base Unit): 1.54 Lbs (770g)

Weight (Cradle w/ Handset): 1.76 Lbs (800g)

Loop Battery Requirement: 20VDC to 48VDC

Loop Current: 30 ma @ 24-volt DC loop battery

Polarity Sensitivity: None

Fire Retardant: Far 25

EMI/RFI: DO-160E

Power:
AC: 110-240VAC
Auto Ranging (50- 440Hz)
DC: 28VDC

Power Consumption: Less than 10 Watts at 115VAC
Less than 3 Watts at 28VDC

MODELS

PN # 463092-100 (2-Wire, 115-volt AC)

PN # 463092-200 (2-Wire, 28-volt DC)

PN # 463092-140 (4-Wire, 115-volt AC)

PN # 463092-240 (4-Wire, 28-volt DC)

PN # 463094-120 (115 volt AC Stand Alone Charging Cradle)

PN # 463096-120 (28 volt DC Stand Alone Charging Cradle)

INNOVATIVE COMMUNICATIONS. SUPERIOR TECHNOLOGY.

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