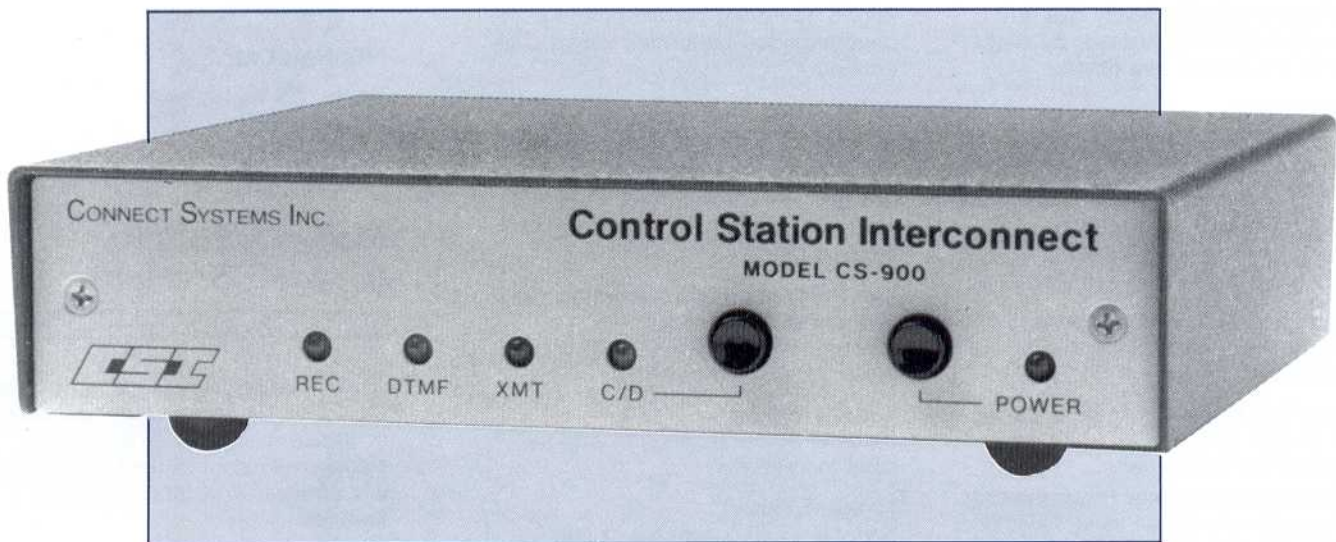




Model CS-900 Control Station Interconnect

The CS-900 Is Loaded With High Tech Features That Are Not Available In Any Other Low Cost Interconnect!



The Connect Systems Model CS-900 is a Deluxe Microprocessor based fully automatic VOX (Voice Activated) Simplex Base Station Interconnect. The CS-900 can be operated simplex or through any conventional repeater and most trunked repeaters. Words and syllables are never lost because the built-in 1/2 Second Electronic Voice Delay (EVD) circuit keys the transmitter 1/2 second before the telephone audio is transmitted. The delay assures that the base transmitter to mobile receiver path is ready before the voice is sent. EVD is either unavailable or an expensive add on option in competing interconnects.

Mobiles can dial outbound phone calls manually or with the built-in 90 memory speed-dialer. Incoming calls sound just like a phone ringing in your mobile and are answered by simply entering your access code on your DTMF dialer pad.

A mode we call *Remote Base* allows you to operate your base station from any DTMF telephone. Remote base mode allows you to dispatch mobiles

from any phone while you are away from the office! Additionally, mobiles may be selectively called using fully regenerated DTMF by simply over-dialing the required digits from the initiating telephone.

User programming of access codes, speed dialer memory, toll restrict codes, etc. can now be entered three separate ways:

1. Remotely over the air using touchtone.
2. Remotely from any DTMF telephone.
3. Locally with the built-in keypad and display.

No other interconnect offers such immense programming flexibility!

The CS-900 can be connected to any FM base station radio with either internal connections or external connections made to the Mic and Speaker jack. Internal connections are preferred because the microphone can be left plugged in for use and the setting of the volume control has no effect on interconnect line level.

MODEL CS-900 STANDARD FEATURES

½ Second Electronic Voice Delay:

Totally eliminates any possibility of word clipping.

90 Memory Speed Dialer:

Allows abbreviated dialing of 90 phone numbers up to 16 digits each.

Redial:

A number that was busy can be redialed with a single digit.

Single Or Multi Digit Access Code:

Access codes can be 1-5 digits in length or simply * connect, # Disconnect if desired.

Five Mic Press Speed-Dial:

Mobiles can automatically dial any pre-selected phone number by clicking the Mic button five times.

Toll Restrict:

Can be set to restrict one to four digit sequences such as 1, 0, 9, 976, 411, etc.

Digit Counting Toll Restrict:

When enabled dialing sequences exceeding ten digits are restricted.

Automatic 1-800 Toll Override:

Toll free 1-800 calls automatically override toll restrict.

Secret Toll Override Access Code:

This access code defeats all user programmed toll restricts.

Three Methods of User Programming:

1. Remotely over the air using touchtone.
2. Remotely from any DTMF telephone.
3. Locally with the built-in keypad and display.

Regenerated DTMF Or Pulse

Dialout:

Beware of models that say "Tone Through." This means that the DTMF is not regenerated and will lead to misdials.

Remote Base Mode:

This allows you to operate your base radio from any telephone and call mobile units just as though you were physically at the base station.

Land To Mobile Selective Calling:

Allows you to over dial and selectively call a mobile using regenerated DTMF.

Ringout On 1-9 Ring:

The mobile is alerted that the phone is ringing when the number of rings you have set is reached.

Busy Channel Monitor:

Will not ringout if channel busy.

Line In Use Detect:

Will not allow a mobile access to the phone line if the line is currently in use.

Line Available Alert:

Alerts the mobile when the line becomes available to use.

Hookflash:

Allows operating certain phone company provided features such as Call Waiting.

Refresh:

For compatibility with some trunked systems such as GMARC.

CW ID:

User programmable Morse station callsign ID.

Call Progress Tone Detection And Automatic Disconnect:

Prevents loss of mobile control on busy signals and dialtone.

Activity Timer:

Settable 10-99 seconds in one second increments.

Timeout Timer:

Settable .5-49.5 minutes in half minute increments.

COS Input:

This input can be connected to the noise squelch for carrier operation, or to the radios' CTCSS or DCS decoder for secure operation. This input may also be grounded when making external connections to the transceiver.

MOV And Fused Lightning Protection:

This proven technology allows your CS-900 to survive most phone line induced lightning strikes.

ALL FEATURES ARE USER PROGRAMMABLE/ SELECTABLE

OPTIONAL: Auxiliary Relay. Order p/n 901

Inquire about adding all new features to older models.

SPECIFICATIONS

ELECTRICAL

- Audio input level:
20 MV to 4 Volts
- Audio input impedance:
220K Ohms (DC Blocked)
- Audio output level:
0-1V and 0-5V (Two selectable ranges)
- COS input resistance:
20 Meg Ohms
- COS Threshold range:
0-10 VDC
- Input voltage:
10-16 VDC (Reverse polarity protected)

MECHANICAL

- Width: 7.9 in.
Height: 1.8 in.
Depth: 7.5 in.
Weight: 2.5 lbs.

Model CS-900 (Export Version)

A variation of the CS-900 is available for use in Eastern Europe and other countries using non AT&T busy signals, second dial tone, and rotary dial phones. Additional standard features:

- Allows dialing past second (or more) dialtones, (manual entry or speed dial format).
- Detects non USA call progress tones.
- Dial click to DTMF for selective calling.

To order, specify Model CS-900-EXP.

Note: Model CS-900-EXP is not intended for use in USA or Canada.



Connect Systems Inc.

2259 Portola Road • Ventura, CA 93003

TOLL FREE (800) 545-1349

PHONE

(805) 642-7184

FAX

(805) 642-7271