

EAS SECOND CHANCE (ESC-1)

CASCADE TECHNOLOGY CORPORATION

Broadcast Alert Port / IP



FEATURES

- Alternate EAS or Amber alert source
- Selective addressing to units, groups, regions
- Outputs directly to ENDEC Audio Input
- Internet connection regularly monitored by server
- Test button verifies unit is functioning properly and confirms connection to the server
- Software update and remote setup via Internet
- Alarm if EAS alert broadcast time limit exceeded

DESCRIPTION

The Cascade Technology ESC-1, EAS Second Chance - Broadcast Alert Port provides an alternative means of delivering EAS, Amber Alerts, and or any critical audio messages to stations when other systems fail.

The ESC-1 receives data directly via Ethernet connection. The incoming EAS packets are interpreted, then precision frequency Alert Tones and FSK data are locally synthesized in the receiver. Audio, if available, is received from the server via an Internet connection.

The unit provides a visual indication when an Alert is ready for broadcast. When the user presses the Green button, the audio begins.

The ESC-1 can be configured to immediately play the audio for all Alerts, or for Alerts above

APPLICATIONS

- Automated broadcast station control
- Broadcast Alert Port
- Direct audio to transmit console
- Selective station distribution of EAS messages
- Ethernet / Internet connection validation
- Internet based layer of redundancy
- EAS Alert / ALERT / SAME / AUDIO Generator

a certain priority level (i.e. EAN and required EAS Alerts). A relay output is available for automation control.

All tones are generated locally for precise EAS compliant signals, avoiding possible data corruption of a direct audio feed.

The unit generates a warning tone if an EAS alert has not been broadcast by a predetermined time interval.

Connectivity is regularly confirmed by communications with the server.

Unit is housed in a small rugged extruded aluminum case with XLR balanced audio output. Base unit does not include the color graphic display (as shown).



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ESM OPTION:

The ESM-1 Option combines ENDEC Serial Output monitoring (ESM-1) with on-site single station EAS generation via Internet. See ESM-1 datasheet for more information.

ESC-DISPLAY OPTION:

Graphic Display with user control interface. The display is not needed in unmanned stations, but highly recommended for all others.

RACK MOUNT - OPTION Z

The Rack Mount option provides a 1RU rack mount case and front panel.

ESC-1 SPECIFICATIONS

| | |
|-----------------------------------|--|
| Input ENDEC Serial Port | R9 RS232 receptacle |
| Audio Output | Single channel balanced 600 ohm XLR 3 pin |
| Output Serial Port | Standard RJ45 Ethernet Jack |
| Power requirements | 110-130 VAC 60 Hz less than 30 VA |
| Power Supply | Low noise linear mode |
| Environmental requirements | 10 - 40 C, 5 - 95% relative humidity |
| Dimensions | Aluminum extruded case: 3.19" wide x 1.8" high x 6.68" deep (8.1 x 4.6 x 17 cm) Rack Mount Option: 19" wide x 1.75" high x 5" deep (48.3 x 4.4 x 12.7 cm) |

