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GORMAN-REDLICH

Using the telephone interface on the EAS-1 Encoder/Decoder

NOTE: In these instructions, when there are brackets around a word, number or symbol, e.g., <ENTER>, it is referring to a key on the EAS-1 keypad or the telephone keypad. Anything in a four-line format (or less) with the top line bracketed by triple hyphens (--- ---) refers to the EAS-1 4-line, 40-character LCD display.

1. To initiate an EAS-1 telephone session, first make sure that the telephone line is plugged into the jack in the back of the unit.

2. Check the EAS-1 phone support in the EAS-1 menu. To do this, first press the <MENU> button (<7> on the EAS-1 keypad). Using the keypad, enter the four-digit technician code. When the menu appears, press the down arrow <v> to scroll down until you reach the menu item 16 on the third screen, PHONE SETUP. Press <ENTER> on the EAS-1 keypad. You will then see this screen:

--- SETUP PHONE SUPPORT ---
ARROW TO SET, EXIT TO EXIT
> PHONE SUPPORT IS ON , ENTER TO CHANGE
PHONE PARAMETERS, ENTER TO CHANGE

If the third line is PHONE SUPPORT IS OFF. . . then press <ENTER> on the keypad to turn it on. Press the down arrow   <v> on the keypad to the fourth line, PHONE PARAMETERS. . . then press <ENTER>. You will then see this screen:

--- SET PHONE PARAMETERS ---
EXIT KEY TO EXIT, SELECT 1 OR 2
1 # RINGS TO ANSWER 1 2>3 4 5 6 7 8 9
2 # SECONDS TO HANGUP 10 20>30 40 50 60

These are the default values: 3 rings to answer (the EAS-1 will establish the phone connection after three rings) and 30 seconds to hangup (the EAS-1 unit will disconnect the phone connection if no signal is received on the phone line for 30 seconds). Press either <1> or <2> on the EAS-1 keypad, then use the down arrow <v> or the up arrow <^> to re-select the desired value. Then press <EXIT> three times to return to the operational screen.

3. Dial the appropriate number from a telephone. At this time, the EAS-1 display should include the phrase "incoming phone."

4. The unit will establish the phone connection after the prescribed number of rings, as set in **EAS-1** menu item **#16**, submenu phone parameters (see second screen, above). The default is three rings. When the unit answers, wait for a brief **ACK** tone ("acknowledged", a short burst of 2083 Hz.).

5. After you hear this tone, enter the four-digit passcode (operator password for your **EAS-1** from the telephone keypad, followed by the **<#>** sign. You should then hear another **ACK** tone acknowledging the connection. If you hear a **NAK** tone ("not acknowledged", a burst of dual tones 853.3 and 960 Hz., slightly longer than the **ACK**), the passcode was not accepted; try again.

6. After the passcode is accepted and the connection is established, you may use the phone interface. Pressing the **<*>** sign at this time should return a **NAK** tone.

7. The following operations may then be done from the phone (preceeded by their phone pad codes):

<1><#> Send weekly test (RWT).

1# is all that's needed. The unit will automatically generate the three **FSK** header tones and the three short **EOM** tones.

<2><#> Send monthly test (RMT).

Automatically generated, including **FSK** header -> **ATT** tone -> recorded voice message -> **EOM**. A voice message MUST be recorded first (**4#**). If no new message has been recorded during the CURRENT phone session, a **NAK** tone will be returned.

<3><#> Send civil emergency message (CEM).

Automatically generated, including **FSK** header -> **ATT** tone -> recorded voice message -> **EOM**. A voice message MUST be recorded first (**4#**). If no new message has been recorded during the CURRENT phone session, a **NAK** tone will be returned.

<4><#>. . .<#> Record voice message.

Press **4#**. After you then hear the short **ACK** tone, speak into the phone to record your message. When the message is finished, pause briefly, then press the **<#>** key again. You should hear another **ACK** tone that confirms completion of the voice message. A voice message must be recorded during the CURRENT phone session before you can send an **RMT** (required monthly test, **2#**) or **CEM** (civil emergency message, **3#**).

<5><#> Play back voice message.

Press **5#**. You will hear a short **ACK** tone, followed by the currently-recorded voice message, followed by another **ACK** tone on completion of the message. This message may be from the previous phone session; if so, you must record a new message before an **RMT** (required monthly test, **2#**) or **CEM** (civil emergency message, **3#**) may be sent.

\<6>\<#>. . .\<#> Direct voice link.

Press **6#**. You should hear a double **ACK** tone. After the double tone, the connection is established and anything spoken into the phone will be put out over the air. Press **\<#>** again to end the session. To confirm completion of the direct phone link you will hear another **ACK** tone. In cable mode only, **7#, 8#** and **9#** also establish a direct voice connection.

\<0>\<#> Disconnect (hang up).

Press **0#**. This should be done before physically hanging up the phone; otherwise the **EAS-1** unit will not promptly disconnect from the phone session, but will wait for the number of seconds to hangup selected in **EAS-1** menu item **#16** After pressing 0#, you should hear an ACK tone.

CAUTION: In the menu item for the phone connection on the **EAS-1**, there is a hangup time specified, with a default of 30 seconds (but you may modify it for intervals from 10-60 seconds). The **EAS-1** will automatically disconnect if no signal is sent over the phone line for this period of time. Therefore, if you are connected in a phone session but must pause for longer than this period, pressing the **\<*>** key on the telephone keypad periodically (returning a **NAK** tone) will prevent hangup.