

Application Note

Model Number: C25 Series

Description: Describes the procedure for updating the flash firmware of the C25 series decoder.

Procedure:

The C25 is re-flashed via the RJ-11 RS-232 serial connection. The RJ-11 serial connection can be used with any computer running terminal emulation software like "HyperTerminal".

1. Connect a the serial programming cable (P/N 01 90 0600) between the PC and C25.
2. Set up HyperTerminal for 9600, 8, N, 1, and be sure it is pointed at the RS-232 port where the cable is connected.
3. Power up the C25.
Type "\$\$c25".
(the C25 front panel will display "program")
(the PC will display the following menu in HyperTerminal)

When Using Hyper-term, characters you type will not be visible on the computer display.

```
HELLO
MAKE YOUR SELECTION FROM THE FOLLOWING OPTIONS
```

1. PROGRAM THE C25 PERSONALITY
2. SET THE DATE AND TIME
3. ACCESS THE ALIAS TABLE
4. ACCESS THE MESSAGE TABLE
5. ACCESS THE NAC TABLE
6. ACCESS THE TGID TABLE
7. ENABLE AUTHORIZE MODE
8. ENABLE NAC PERMISSION MODE
9. ENABLE TGID PERMISSION MODE
- A. PROGRAM NEW FLASH
- B. NORMAL OPERATION

```
ENTER YOUR SELECTION: _____
```

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4. Type "**A**"

(the following menu will appear:)

PROGRAM NEW FLASH

1. DSP

PRESS BACK SLASH "\" TO GO BACK
OR PLEASE ENTER YOUR SELECTION: _

5. Type "**1**", then Type "**Y**"

(the following menu will appear:)

1. DSP

PRESS BACK SLASH "\" TO GO BACK
OR PLEASE ENTER YOUR SELECTION: _
Make sure you have a DSP Build file to download.
Press 'y' to continue,
or back slash "\" to abort. _y
Please send the DSP Build now.
At 9600 baud, the download will take about 9 minutes. _

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6. Use HyperTerminal to send the Flash file.

In HyperTerminal, click on:

Transfer, then **Send Text File**

Point to the file: C25_v183_091511_1221_serial.TXT

Click on: **Open**

(the following menu will appear:)

115 KWords left

(observe the counter decreasing)

DSP Build successfully written to FLASH.
Reset the modem to use the new DSP Build.
Press back slash "\" to continue_

7. Press the "\ " 2 times, then type "B"

8. To check the re-Flash,

Type "\$swver", you should see:

VER 1.83 09-07-11

Re-Flash is complete, you are ready to go!