

# Using the ACU-1000 Support in F8101ALE

**F8101ALE Configuration**

Radio | TC4 | **ACU-1000** | Channels | Log

Enable ACU-1000

Serial Port Name:  Initial setup of the ACU-1000 DSP2 Card for F8101 HF radio: Set Squelch Type to VMF, VMR Hang Time to 975 ms, VMF Threshold to Medium 1, RX Audio Delay to 300ms, TX Audio Delay to 200 ms, High Frequency Equalizer to 3.5db Boost, Noise Reduction to 6. Adjust these variables as required.

Serial Baud Rate:  Define only the DSP cards to be used with the radio interconnect.

PSTN Port Num(nn):  DSP  Name to associate with this DSP card

PSTN Dial Prefix:  DSP  Name to associate with this DSP card

Radio DSP Port Num (nn):  DSP  Name to associate with this DSP card

Call Out ALE Address:  DSP  Name to associate with this DSP card

DSP  Name to associate with this DSP card

## Configuration

Click the “Enable ACU-1000” checkbox on the config dialog. This allows the user to set the configuration values, and it also tells F8101ALE to start the serial connection to the ACU device upon startup.

Select the appropriate serial port from the list. Select the appropriate serial baud rate from the list. A tool tip on the Serial Baud Rate combo box has helper text for different models. “Use 115200 with CPM4. Use 9600 with CPM2”

## PSTN Port Num (nn)

The two-digit port number on the ACU device for the Public Switched Telephone Network card which is used to make phone calls.

**PSTN Dial Prefix**

If the telephone line requires a digit sequence to get an “outside line” enter that value here, otherwise, leave blank.

**Radio DSP Port Num (nn)**

This is the ACU card number associated with the radio which is attached to the ACU unit. Incoming ALE ACP-193 GRP calls may be linked to this radio by this port number.

**Call Out ALE Address**

The ALE address to use when making an ACP 193 GRP call OUT from this unit. This value is currently unused but it is reserved for future use.

**Five DSP Card Slot Definitions**

The five DSP card definitions allow the user to associate a card slot number (two-digit) with a short name to be used in the CCCCPC style ACP-193 GRP protocol. Thus, if the user wishes to connect the incoming ALE call to a specific card, that short name would be part of the AMD message which initiates this activity.

Example:

DSP Card 05 is connected to a VHF radio and the user has named it “VHF”.

**F8101ALE Configuration** [?] [X]

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Serial Baud Rate:  Define only the DSP cards to be used with the radio interconnect.

PSTN Port Num(nn):  **DSP 05 VHF**

PSTN Dial Prefix:  DSP slo... Name to associate with this DSP card

Radio DSP Port Num (nn):  DSP slo... Name to associate with this DSP card

Call Out ALE Address:  DSP slo... Name to associate with this DSP card

DSP slo... Name to associate with this DSP card

[Save Settings] [Cancel]

“CCCCPVHF” in the AMD message of an inbound ALE link would connect the F8101 to the VHF radio upon successful link.