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Hardware Initialization of TE531 Non-Volatile Memory for GA Mode Operation

Model: TE531 HD Caption Bridge

Required: HyperTerminal or equivalent terminal emulation software

Setup: 1200 Baud, 7 Data bits, Odd Parity, 1 Stop Bit, Xon/Xoff Handshaking
VT100 Emulation
Append Line Feeds to incoming Line Ends (Carriage Returns)
Echo typed characters locally
Straight DB9 cable, Male/Female connected to the AUX1 connector

The EEG TE531 HD Caption Bridge can be configured to interface with ATSC encoders using SMPTE333M (default) or Grand Alliance (GA) serial protocols. The TE531 contains a user programmable non-volatile startup memory area. Commands can be written into this memory and upon a power-up or reset situation these commands will be acted upon as if the user were entering them from the Supervisor port.

The ^Aw command is used to enter startup commands into the NVM. The following lines show the command structure for entering startup commands into the NVM. The comments are for clarification only and should not be entered into the encoder. Each line begins with a 01h (^A) and ends with a carriage return. All of the ^A's seen below are instances of 01h. Entering ^A through the keyboard is similar to typing a capital "A" but using the 'Ctrl' key instead of the 'Shift' key. There is no Case assigned to Control characters. Case must be maintained for all commands.

<u>Command</u>	<u>Comment</u>
^Ax	Lists (with line numbers) the commands currently entered into NVM.
^Aw p3 ^Af GA	Loads the command to place the unit into GA mode.
^Aw n	Erases line n from the NVM.

The NVM startup commands will be processed every time the encoder is power cycled or reset. To confirm GA mode operation after reset type: ^Af<enter>. The unit will reply with it's current mode of operation.

If you have any questions please feel free to contact me.

Thank You,

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