M1 TRANSCEIVER I/O BOARD MENU SETUP

SETUP MENU 6

I/O BOARD SETUP

This screen allows you to select what is output on the 32 pins of the I/O board.
(64 pins if using two I/O boards)

On this screen you first select which O/P pin you want to edit, then you select the function you
want to assign to that pin. See steps 1 to 4 below. (There is no timeout on this screen)

(1) First press the A button to allow you to select which O/P pin to edit.
     The cursor is placed under the O/P pin number to indicate you are in the select pin mode. You
     can use the rotary encoder to select one of the 96 O/P pins.
     Or key in the two digit pin number using the keypad.

(2) Next press the B button to allow you to select which O/P function you want assigned to   the pin.
The cursor is placed under the O/P function number to indicate you are in the select function mode.
You can use the rotary encoder to select one of the 256 O/P functions.
     Or key in the three digit function number using the keypad.
     Not all 256 functions are currently used, see the function table at the end of this document.

(3) Next briefly press the MENU button (#) to enter your selection, you will be returned to step
(1)
     with the cursor placed under the O/P pin number, ready to select the next pin to edit.

(4) Finally press the MENU button (#) for 2 seconds to save all the changes to EEPROM.
     You will be prompted to confirm that you want to save the changes.
     If you select YES using the rotary encoder, all the changes made in the I/O BOARD SETUP
screens
     will be saved to the 24LC256 EEPROM.
     If you select NO the changes will not be saved.
     You will then be returned to the setup menu.

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;------------------------------------------------------------------------------------
;            EME187 I/O BOARD default layout M1 Transceiver.
;------------------------------------------------------------------------------------
;
;   O/P   | FUNCTION
;   PIN   |  NUMBER

CONNECTOR J4 ( Pre-selector and Low Pass Filters )
;
;  O/P 01,    007 =  21 MHz,   15m band.                                 On = 15m.
;  O/P 02,    006 =  18 MHz,   17m band.                                 On = 17m.
;  O/P 03,    008 =  24 MHz,   12m band.                                 On = 12m.
;  O/P 04,    005 =  14 MHz,   20m band.                                 On = 20m.
;  O/P 05,    004 =  10 MHz,   30m band.                                 On = 30m.
;  O/P 06,    003 = 7.0 MHz,   40m band.                                 On = 40m.
;  O/P 07,    002 = 3.5 MHz,   80m band.                                 On = 80m.
;  O/P 08,    001 = 1.8 MHz, 160m band.                                  On = 160m.
;  O/P 09,    009 =  28 MHz,   10m band.                                 On = 10m.
;  O/P 10,    010 =  50 MHz,    6m band.                                 On = 6m.
;  O/P 11,    015 = Phantom, (out of band, 160m-10m)                     On = PHANTOM.

CONNECTOR J3 ( Mode Selection and Crystal Filters )
;
;  O/P 12,    046 =   FM mode.                                           On = FM.
;  O/P 13,    047 = DIG mode ( AM Sync ).                                On = AM Sync.
;  O/P 14,    043 =   CW mode.                                           On = CW.
;  O/P 15,    041 = LSB mode.                                            On = LSB.
;  O/P 16,    042 = USB mode.                                            On = USB.
;  O/P 17,    045 =   AM mode.                                           On = AM.
;  O/P 18,    017 = IPO  (RF Preamp)                                     On = IPO ON.
;  O/P 19,    015 = Phantom, (out of band, 160m-10m)                     On = TX Inhibit

CONNECTOR J5 (Various Functions )
;
;  O/P 20,    018 = ATT  (Attenuator)                                    On = ATT ON.
;  O/P 21,    053 = AGC Off                                              On = AGC Off.
;  O/P 22,    055 = AGC Fast                                             On = AGC Fast.
;  O/P 23,    019 = NB   (Noise blanker)                                 On = NB ON.
;  O/P 24,    037 = PROC (speech processor)                              On = PROC.
;  O/P 25,    038 = VOX                                                  On = VOX.
;  O/P 26,    082 = ANT2  (Antenna 2, front)    Off = ANT 1 (rear),      On = ANT 2 (front).
;  O/P 27,    035 = PWR 0 \ (O/P Power)         Off, Off = LOW 1,        Off, On = LOW 2,
;  O/P 28,    036 = PWR 1 /                      On, Off = LOW 3,         On,  On = HIGH.
;  O/P 29,    252 = ATTEN 0 (6dB Attenuator)    Off, Off = 0dB,          Off, On = 6dB.
;  O/P 30,    253 = ATTEN 1 (12dB Attenuator)    On, Off = 12dB,          On, On = 18dB.
;  O/P 31,    254 = NB 1 (Noise Blanker 1)                               On = NB1 ON.
;  O/P 32,    255 = NB 2 (Noise Blanker 2)                               On = NB2 ON.
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