

AE5090 MULTI MODE NEW FEATURES

CHANNEL CONVERSION:

Only CPU	Mode	RF Power
1. # 40 (SW4) = L	40/40 "0" raster	4W AM/FM or 8W AM/FM
2. # 39 (SW3) = L	40/40	4W AM/FM or 8W AM/FM
3. # 38 (SW2) = L	400CH	4W AM/FM or 8W AM/FM
4. # 37 (SW1) = L	Multi Mode "01 to 05"	Multi 01& 02: 1W AM/4WFM Or 1W AM / 8W FM Multi 03: 4W FM or 8W FM Multi 04 and 05: 4W AM/FM Or 8W AM/FM

4W and 8W CONVERSION: (8 Watts means between 8 and 10 W max) @ MPCB

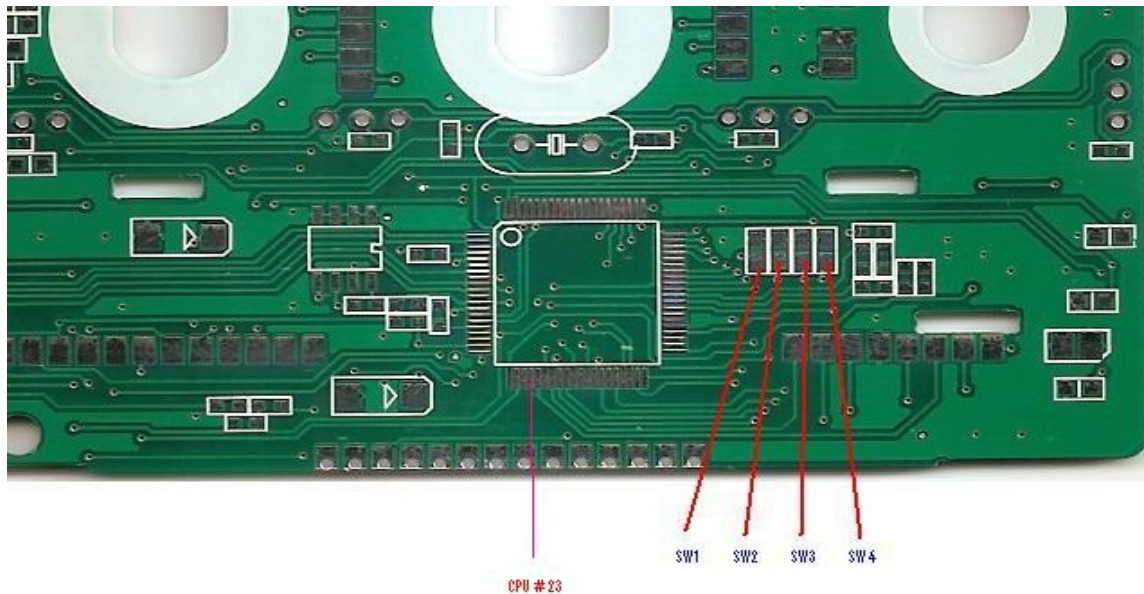
	> Connect two pins connector	Multi 01 and 02: 1W AM / 4W FM
		Multi 03 : 4W FM
		Multi 04 and 05: 4W AM/FM
		CPU # 38 or 39 or 40 = L: 4W AM/FM
	> Connect two pins connector	Multi 01 and 02: 1W AM / 8W FM
	or not connected	Multi 03 : 8W FM
		Multi 04 and 05: 8W AM/FM
		CPU # 38 or 39 or 40 = L: 8W AM/FM

F, SCAN, DIM SECOND FUNCTION:

1. F button > Press F button = AM/FM switch
Long press F button (>1 sec.) at 400 Ch Mode = Band switch
2. Scan button > Press scan button = scan
Long press scan button (>1 sec.) = Memory scan
Hold scan button + Vol. on at Multi Mode = Multi Mode 01 to 05
3. Dim button > Press dim button = LED dim
Long press dim button (>1 sec.) = Bicolor

Selecting Correct Country Code at Multi Mode

Multi Mode: 01	= 80/40, FM/AM	Germany and CZ
02	= 40/40, FM/AM	all countries, FM 4 Watt, AM 1 Watt
03	= 40 FM only	
04	= 40/40, FM/AM	Spain, AM + FM both 4 Watts
05	= 40/40, FM/AM "0" Raster	Poland, AM + FM both 4 Watts



Re-programming Multi Mode

1. Switch the radio off
2. Disconnect previously soldered jumpers (like SW2 or SW3 or SW4) from ground
3. Connect SW1 to ground (install 0 ohms resistor at Front PCB or make a solder jumper connection in SW1 position)
4. Press scan button and keep button pressed
5. Switch on the radio
6. Release scan button
7. Display is from 01 to 05
8. Select the correct country code using rotary channel switch or mic up and down button.
9. Turn off the radio to set the selected multi mode
10. Turn on the radio

Multi Mode Lock:

> Connect CPU # 23 to ground to lock the selected Multi Mode and to disable Multi Mode operation.

Re-programming 400Channel

1. Switch the radio off
2. Disconnect SW1 or whatever was soldered before (SW3 or SW4) from ground
3. Connect SW2 to ground (install a 0 ohms resistor or add a solder jumper at SW 2 position at Front PCB)
4. Switch on the radio
5. Press F button until channel display change to Band (from A to J)
6. Rotate rotary channel switch or press mic up and down while the band display still blinking to select the desired band.
7. The selected band will be set automatically after the band display blink 3 times and the display is back to previous channel