

TX7 Backlit LCD Module - Fitting Instructions

Thank you for purchasing this Backlit LCD Module upgrade for your Yamaha TX-7 FM Synthesizer.

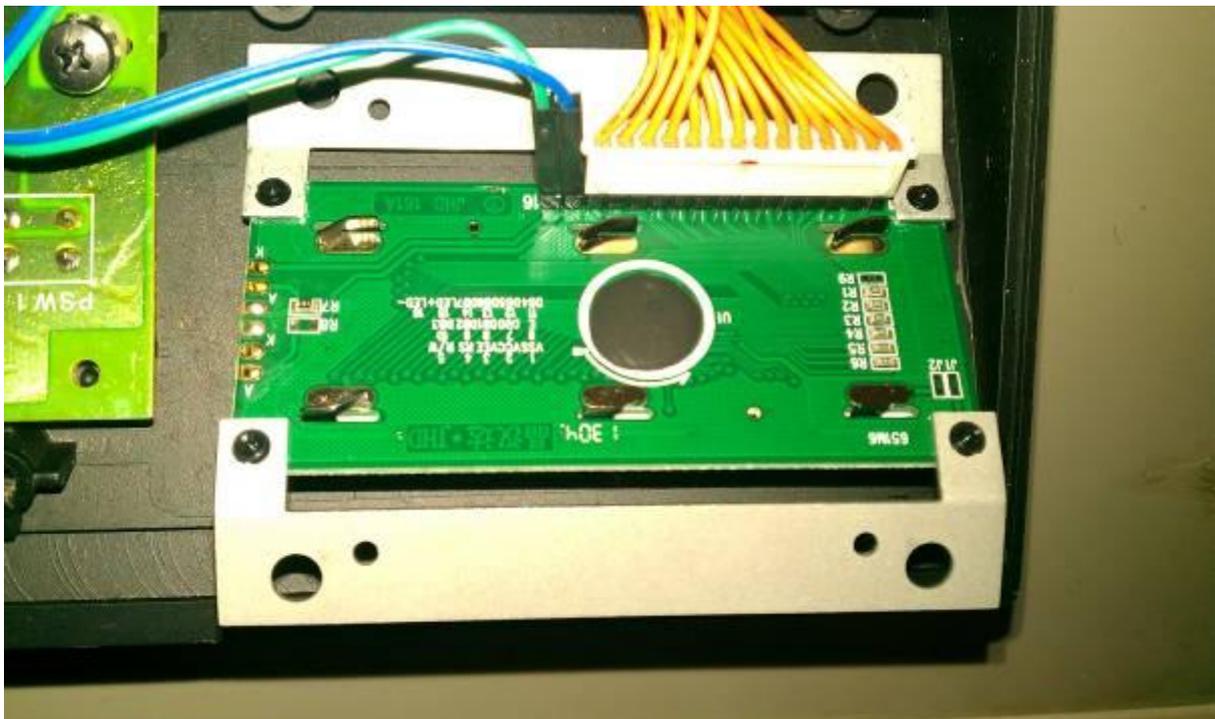
1, Carefully place the unit upside down on your work area, unscrew the screws from the bottom and lay them out safe so you know where they came from, then remove the bottom casing.

2, Lay it so the bottom right hand side is where the LCD module is situated. Unscrew the 4 screws that hold the metal shielding in place then unplug it from its 14pin Ribbon Connector cable.

3, With the old LCD module removed, pop the 4 plastic pins out to remove the shielding and insert them back onto the new LCD with the metal shielding in the same position. [see pic below].

***[you must attach the metal shielding on the 'back' of the new LCD. You risk shorting out the screen if it's attached to the front.]*

4, connect the Ribbon cable in the same orientation from pins 1-14 on the back of the connector. [Note pins 15 and 16 power the backlight only]



5, Just to the right of the 3 blue capacitors on the power supply, [colours may vary on some TX7's], You will see a 4 pin connector on the bottom motherboard, just under the top board of the TX7.



6, Carefully connect the power cable as follows : -

PIN 15 on LCD to +5v on board [blue],

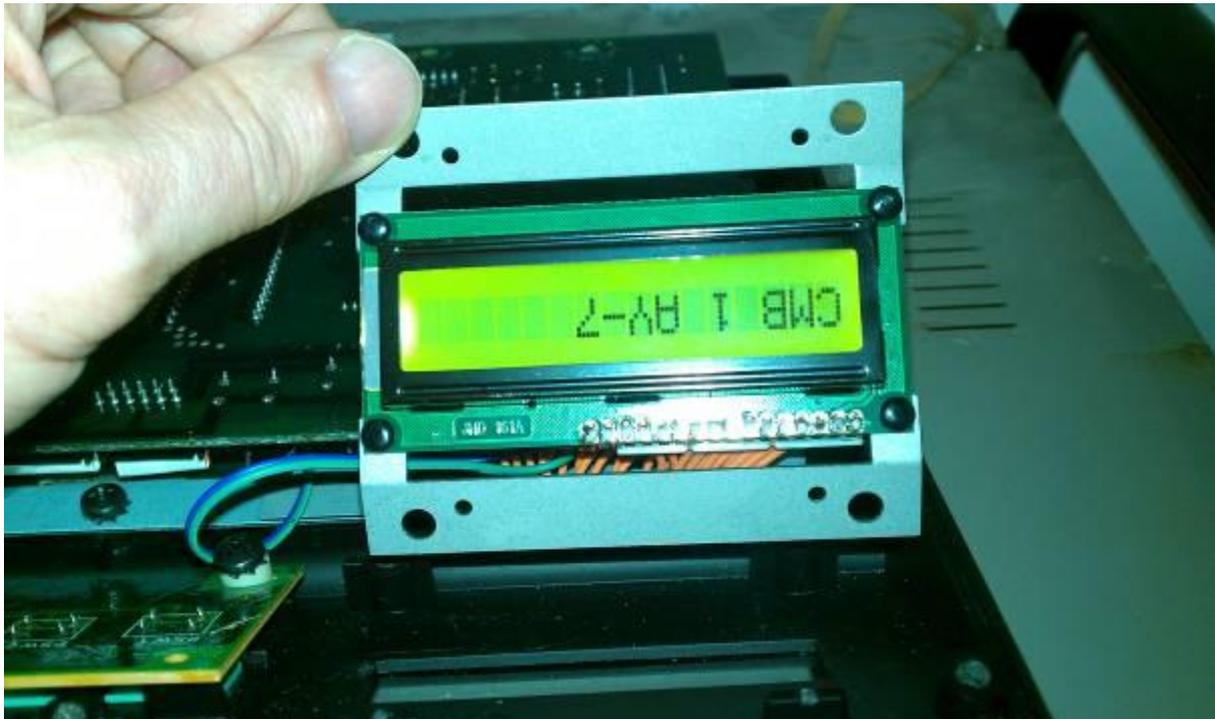
PIN 16 on LCD to -5v on board [green].

Looking from the orientation of the power supply being on the left and the TX7 PCB's on the right, +/-5V are the top 2 pins.

**** BE VERY CAREFUL NOT TO PLUG THEM INTO THE +/-15v PINS AS THIS WILL MOST CERTAINLY BLOW THE LED BACKLIGHT IN THE NEW SCREEN.**

**** PLEASE NOTE – COLOURS OF THE POWER CABLE YOU RECEIVE MAY VARY TO THE ONES SHOWN HERE, AS LONG AS YOU MAKE SURE THEY MATCH THE PIN CONNECTIONS STATED ABOVE IT WILL WORK FINE.**

7, Quickly power-on the unit and see if the backlight lights up and the screen displays properly. If not please retrace steps 4-6 and double-check connections.



8, Using 2 of the longer screws taken from the outer casing, screw the top of the LCD to the front fascia. Don't tighten them up all the way, just enough to secure; also making sure the two pins push into the small holes on the bottom shielding.

[closing of the case will actually hold the screen firmly in place anyway, but screwing them up too tight 'may' damage your screen].

*** remember, don't be tempted to remove the black front metal shield of the LCD to make it fit better, this will not work and will ultimately stop the screen from displaying anything at all.*

12, Once you are happy with the LCD fitting, just replace the bottom casing of your TX7 and reinsert all the screws; notice that the 2 longer screws you took from the casing will still screw up tight using the shorter length screws you too from the LCD mounting.



I Hope this has been successful and you can enjoy your new backlit TX7 module for many years to come. If you have any questions or concerns, or problems with fitting, please contact me on chrispocher@yahoo.co.uk

Thanks again for purchasing. ☺