LCD screen brightness control problem

I built your Micromite-based GPS-synched Frequency Reference (October & November 2018; **siliconchip.com.au/Series/326**). When I got it going, the orientation of the LCD Screen was incorrect for the program set up. You kindly replaced it with one with the correct orientation.

Unfortunately, with this new screen, manual backlight adjustment only gets to a very low brightness. I cannot read the screen if I have my workshop bench lights turned on, for example. I need to turn them off and only have low light in the room. This did not happen with the original, rotated screen.

I am wondering if there is some simple fix to overcome this. I haven't any data on the device, so I am a bit unwilling to start trying things without first checking with you. (I. P., Loganholme, Qld)

● It seems that some otherwise identical-looking LCD screens use a different method for backlight control. One of our other readers wrote in to say:

I'm absolutely delighted with my Micromite BackPack V3 and Tim Blythman's CFUNCTION software drivers for the ILI9488 colour touchscreen display.

However, I discovered a small problem with manual dimming of the dis-

play. I tend to use manual dimming because I like to save one control pin, and display dimming is pretty much set-and-forget for me.

It appears that the LED "A" pin on the display (pin 8 on the 14-pin header) is a voltage control on the latest display I purchased, rather than current control on the two previous displays I used (one from AliExpress and the other supplied in a SILICON CHIP kit, which seemed to be identical).

The problem is easily resolved by replacing the 100Ω pot (VR1) with a 10kΩ or 20kΩ pot, and connecting the free end to ground.