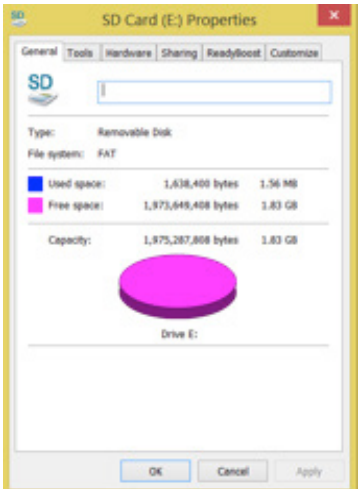
INTELLIGENT
DISPLAY SOLUTIONS

How to re-program the board for a specific display

1. Check your SD card properties



You will need an SD card. One is supplied with the kit, but if you use your own, check the properties as follows:

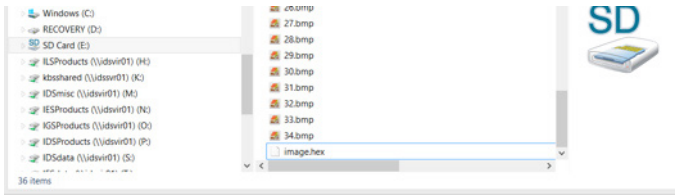
- Insert the card into the PC.
- Open file manager
- Right click on the drive and select properties
- Check the file system is “FAT” or “FAT32”.
- Re-format the card to “FAT” if necessary.

2. Obtain the correct firmware file for your display

- Locate the correct firmware file from here: www.i-groupuk.com/downloads
- Contact us at info@i-lcd.com if the file cannot be located
- The download file will be in the format “4021-hex.zip”
- Download the file to your PC.
- Unzip the file to the firmware file “image.hex”

3. Transfer the firmware file to the board

- Copy the file to the top level of the SD card



- Eject the SD card from the PC and insert it into the unpowered IDS-UNIVERSAL-01 board.

4. Re-program the board with the new firmware

- Set all the dip switches to the ON position, to configure the board in re-programming mode.
- Connect the board to a 12V power supply and apply power.
- The firmware file will be transferred from the SD card to the microcontroller.
- The LED will flash fast then slow and finally a beep will be heard when complete.
- The re-programming will repeat over and over while the dip switches are all ON
- Turn the dip switches to OFF
- Turn the power off and on to reset the microcontroller
- Set all the dip switches to your desired delay settings.
- The board is now ready for your display.

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DATASHEET