

ZLP Electronics

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DigiMaster Single channel MultiFace
Above with Icom CAT/CI-V cable

DigiMaster Single channel USB MultiFace

This USB interface works as CAT for Icom or Yaesu radios. It also works as a Programming interface for Icom and Yaesu radios.

The interface connects to the PC via the PC's standard powered USB port, using a standard USB cable (A to B).

The USB cable from the PC connects to the interface via the interfaces standard type B USB socket.

When this cable is connected, Windows will recognize the USB connection and, depending on your Windows version, will either automatically install the drivers required or prompt you to install them. The installation is automatic with Windows XP.

Should you need to install the drivers yourself, full step by step instructions are provided on the website. Drivers can be downloaded and unzipped from the website or you can let your PC search the net for the latest drivers.

Once the drivers have been installed, Windows will inform you that the device is ready for use.

The drivers will have installed a "virtual" comport to your PC.

Since this is a USB comport connection and not a "real" comport, this comport is termed a "virtual" comport.

This comport will appear in Windows->Device Manager -> comports, as a standard comport, and will be used by programs running under Windows as a standard comport.

Take note of the number of the new comport provided. You should configure your software to use this new comport.

If the new comports value lies outside the range useable by your software, you can use Windows -> Device Manager -> comport -> advanced -> comport[x] to remap it to a value that lies in the range allowed by your software.

Before plugging in any other cables except the USB cable you can now run a "loopback" test on the interface. A loopback test program is available on the accompanying CD or can be downloaded from the website.

This will confirm that the unit is functioning correctly.

You can now plug in your cable that connects the unit to the radio.

The unit end of the cable always has a 3.5mm stereo jack connector. The connection to the unit is wired so that TX data (from the unit) is always on the tip connection, and the RX data (to the unit) is always on the "ring" connector. The ground connection is of course on the "shaft" of the connector.

There are many cables available to connect to your radio(s). The choice of cable determines the units function.

Plug the other end of this cable into your radio and run your software.

It is important that the unit is plugged into the PC and that Windows has recognized your USB interface BEFORE you start your software, otherwise your software will not be able to find the driver to control the interface.

Configure your software to use the virtual comport provided by Windows, and set any other configurations to match your radio.

You can now start your software. The latest version of the MultiFace has an onboard jumper. This allows you to select between a low or hi impedance output. This allows any impedance radio to be programmed. The jumper does not affect CAT operation.

DigiMaster Dual channel USB MultiFace

It is advised that you disconnect from the internet before starting driver installation. Windows will not install the drivers automatically but will prompt you to install them. Please download them from the website or let your PC search the net for the latest drivers.

When Windows installs the drivers, Windows will give you two "virtual" comports. Use these for your software like any other comports.

Then use the same procedure as above.

Channel A is the connector nearest the USB cable, channel B being the connector furthest away from the USB connector. Windows normally assigns the lower numbered interface to Channel A. And the higher numbered interface to channel B.

The Dual channel MultiFace has the advantage of two comports. These can of course both be used at the same time on any suitable Icom or Yaesu radios. Both CAT leads can be connected to one Icom radio so enabling different software to communicate with the Icom radio at the same time. You will of course need a simple "Y" splitter to enable the two cables to be connected into the Icom. Note that channel A has a low impedance output while channel B has a high impedance output. This is useful when programming radios as it allows a greater range of radios to be programmed. It does not affect CAT operation.



DigiMaster Dual Channel USB MultiFace,
Shown above with 1 Icom CAT/CI-V lead and 1 Yaesu Y3 CAT cable for the FT857.

Note: When using the Y4 CAT cable for the FT857 and FT897, the maximum baud rate supported via the radios mic socket is 9600 baud. Full instructions for using the Y4 cable can be downloaded from the website.

DRIVERS

If your version of Windows does not automatically install the drivers, then please download and unzip the latest drivers from the website.

OR, simply let your PC search the net for the latest drivers. It will find them.

Full instructions for driver installation are also available from the website.