

## Using the HI-TECH ZipCard

You will need one or more Secure Digital memory cards. These are available from electronics stores, camera stores, and many other outlets. SD cards come in various different sizes. As a guide, choose the following sizes:

- EMAX download - any size from 16MB upwards
- Navdata update - 128MB or larger
- CMAX update - 256 MB or larger
- Data purge (older Avidynes only) - 128MB or larger

A single card can be used for more than one of the different applications, but you will find it convenient for example to have one card for EMAX download, one for Navdata updates etc.

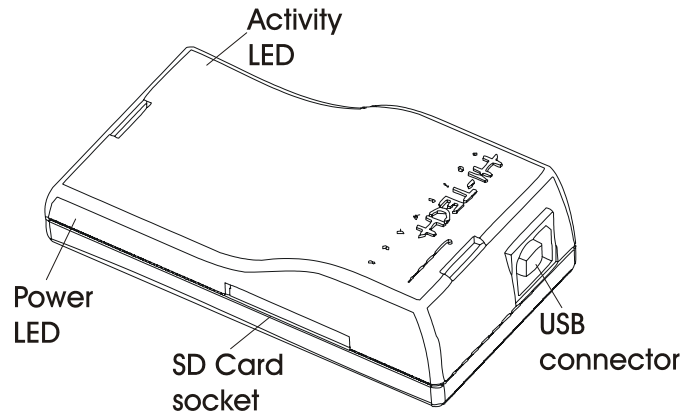
Buy quality cards, but it is not necessary to use "high-performance" cards. Reputable brands include Toshiba, Sandisk and Kingston.

## Inserting the SD card

Plug the card into the slot on the side of the ZipCard. The card socket is a "push-push" type - push in firmly to insert, push again to remove. The SD card should be inserted with the gold connectors facing downwards. Connect the USB cable to the socket on the end of the ZipCard, and plug the other end into a USB socket on your computer. Windows XP, Win2K, and WinME already have the required drivers installed and will automatically recognize the ZipCard as a USB mass storage device. If using Win98 or Win95, contact HI-TECH Software for driver recommendations.

## Formatting

The ZipCard will appear in "My computer" as a removable storage device. It is *strongly* recommended you reformat each card before first use - even if the card is already FAT formatted, it may not work on the Avidyne unless you reformat it. Right click on the device and choose *Format*. Ensure that the *File System* setting is *FAT*. *FAT32* will not work with the Avidyne! Change the volume label so something meaningful, e.g. "EMAX data" for a card you will use for engine data download.



Select *Quick format* - it is never necessary to perform a full format on an SD card. Click *Start* and *OK* and wait until complete - just a few seconds.

## Safe removal

When using Windows 2000 it is essential that you use the *Safely remove hardware* function, or *Eject* the card before removing it or unplugging the ZipCard. Failure to do this will result in a corrupted card. Under Windows XP this procedure is recommended but not essential.

If you do end up with a corrupted card, simply reformat it. The card will not be permanently damaged.

## Using the ZipCard with an MFD

Using the ZipCard to download EMAX data, or update the Avidyne database, is performed exactly as you would with a Zip drive, but with the reliability of solid-state storage.

Although it's not strictly necessary to reformat the card after use - deleting any files should be enough - reformatting is quick and easy and guarantees a "clean" card. SD cards can be reformatted thousands of times without damage.

Occasionally the MFD will ignore the ZipCard (or indeed a Zip drive) the first time it powers up - turn the MFD off and on again if this occurs. If the problem continues, reformat the card.

## Led Indicators

There are two LED indicators on the ZipCard. The yellow power LED is normally on continuously when the ZipCard has an SD card inserted, and is plugged into a host (PC or Avidyne). The red activity LED is on when the ZipCard is busy.

The full list of LED states is as follows:

### Yellow LED (power)

**Steady on** - ZipCard is ready and an SD card is loaded

**Flashing** - no card loaded, or card has been "Ejected"

**On, but with a "flicker"** - card loaded, but is formatted FAT32 - will not work on Avidyne. Reformat as FAT.

### Red LED (activity)

**Irregular flashing** - ZipCard is active

**One or more regular, fast flashes**, repeated every 2 seconds - an error has occurred, probably a bad SD card. Re-insert the card, or try a different card.

## Warranty and support

The ZipCard is guaranteed for 12 months from purchase. If it fails during that time, we'll replace it with a new one. Should you have any problems using the ZipCard, don't hesitate to contact our tech support by email or phone.

**Website:** <http://www.htsoft.com>

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