

Version 2.2 retains all the features of 2.1 and has the following additions.

### 1. Compatibility with the 128K Spectrum.

All commands may be used in either 48K or 128K modes.  
Discovery commands entered in 128K mode must be typed in full in the same way that the Spectrum commands are.

### 2. RAM DISC

The extra ram in the Spectrum 128K may be used as a Discovery Ram Disc. It can be used to store programs or data files in the same way as a normal disc and is accessed as drive 6.

To initialise it use the command `FORMAT 6: "ram disk"`.  
Drive 6 may be used in either 128K or 48K mode provided the following methods are used to move between modes.

To enter 48K mode: `PRINT USR 0`

To enter 128K mode:

```
10 DATA 1, 253, 127, 175, 243, 237, 121, 195, 234, 0
```

```
20 FOR J=23296 TO 23305: READ A: POKE J, A: NEXT J
```

```
30 PRINT USR 23296
```

```
RUN
```

### 3. CLEAR command

There are 2 new forms of the CLEAR command.

```
CLEAR LINE <line 1>, <line 2>
```

Removes all basic lines from <line 1> to <line 2> inclusive.

```
CLEAR DATA <variable>
```

Removes the basic variable.

<variable> may be either a simple variable or an array, in which case the name should have a () after it, eg `CLEAR DATA A ()`.

These commands are particularly useful when overlaying parts of basic programs from disc or ram disc.

### 4. D CHANNEL

When using the command `MOVE "d"<drive1> TO "d"<drive2>` you will be asked if you wish to destroy the data on <drive2>, press the "y" key to continue the backup in the usual way.

### 5. T CHANNEL

When the T channel is closed it will now send a carriage return sequence.

### 6. DRIVE 4

Drives 2 and 4, corresponding to the right hand drive on a 2 drive system, may be used in the same way as drives 1 and 3 are on the left hand drive.

### 7. PARALLEL PORT AS INPUT DEVICE

When reading data into the parallel port, the ready line is now set in the following manner.

After the command `OPEN # 4:"b" IN` if `INKEY$#4` is empty then

the port is set ready to receive,

if `INKEY$#4` contains a valid character then the port is set busy.

Note this has no effect on the port when it is used as an output device, ie when using it with a printer.

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