



## Addendum for Data-Master software (paperwork issue 1.4)

One copy protection "TOKEN" is automatically transferred from the Data-Master tuner disk **1 of 2** to the target directory (while running in WINDOWS by creating a DOS SHELL ENVIRONMENT... this will be unseen as it all happens in background).

Although generally speaking Windows95 takes care of memory, if your machine has a very low level of available memory (due to poor setup or many SCSI drivers etc) the process may fail.

Before installation, open a DOS window and check the available memory by typing **MEM** [enter] at the DOS prompt.

The report may look like (based upon a P75 with 16MB RAM):

Memory Type	Total	Used	Free
-----	-----	-----	-----
Conventional	640K	88K	552K
Upper	0K	0K	0K
Reserved	384K	384K	0K
Extended (XMS)	15,360K	208K	15,152K
-----	-----	-----	-----
Total memory	16,384K	680K	15,704K
Total under 1 MB	640K	88K	552K
Total Expanded (EMS)			15M (16,236,544 bytes)
Free Expanded (EMS)			15M (16,236,544 bytes)
<b>Largest executable program size</b>			<b>552K (564,880 bytes)</b>
Largest free upper memory block			0K (0 bytes)
MS-DOS is resident in the high memory area.			

The LARGEST EXECUTABLE PROGRAM SIZE (third line from the bottom) should be greater than 530K. If the reported memory is lower, it may be worth examining your setup carefully. If the WIN.INI file is very long and full of variables this may result in low memory.

A entry SHELL is sometimes helpful in the CONFIG.SYS file and may be added:

```
SHELL=C:\WINDOWS\COMMAND.COM /p /e:1024
```

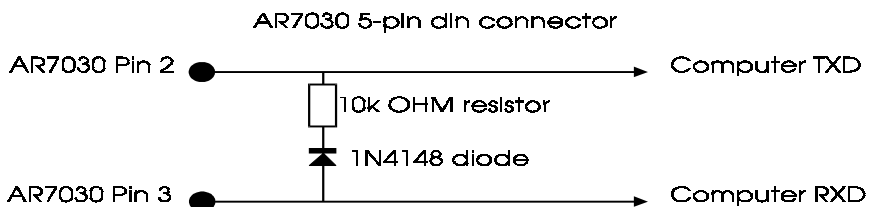
The master disk contains TWO TOKENS so if you have encountered problems when installing first time, remove any directory which has been created (and program group in WINDOWS and additions in WIN.INI - see below). You can then try to install a second time bearing the above memory points in mind.

When installing the data-base toolkit, two entries are made in the WIN.INI file, without these additions "language driver" error messages will be encountered. There is a finite length to the WIN.INI file, if you have a lot of PS fonts loaded, the additions may fall off the bottom of the file !!! In this case the data-base will not run. If problems occur, have a look what can be deleted from the WIN.INI file (safely) or move the additions up the WIN.INI file before the fonts are loaded. If you wish to "cleanly" remove the data-base toolkit from your system, remove these entries manually. The entries are:

```
[IDAPI]
CONFIGFILE01=C:\AORDATA\IDAPI.CFG
```

```
[Borland Language Drivers]
LDPath=C:\AORDATA\LANGDRV
```

Some RS232 ports have been causing problems with the AR7030 remote facility as the negative line has not been pulling low enough. If you experience RS232 corruption problems and inconsistency, try adding a diode and resistor between Pin 2 and Pin 3 of the 5-pin DIN socket. Suitable components are provided with this package, please refer to the illustration.



***Please note:*** Two sets of TUNER disks are now provided, one set for Windows95 and another for Windows98... they are marked **W95 / W98**. Each version provides different copy protection drivers more suited to the specified operating system, but of course you may experiment and use either with earlier version of Windows 3.1x, however use them only in pairs!