
RightFAX v6.0 Fax Board Guide Errata

This PDF file contains a corrected version of the TruFax section in chapter 1 of the *RightFAX 6.0 Fax Board Guide*, revision number 1 11/98. (The document revision number can be found on page 2 of your printed guide.) The corrections included herein have been applied to any subsequent printed revisions of this document.

This errata corrects the table of I/O dip switch settings for the TruFax board.

Brooktrout TruFax

The TruFax is a two-channel fax board supporting two loop-start telephone interfaces. The TruFax is a fixed function board that cannot be used in combination with TR112 or TR114 fax boards. Two standard phone cables with RJ-11 heads at each end are supplied with the TruFax board.

Setting the I/O address

Before installing the board into the RightFAX server, you must manually set the base I/O address of the board. The base I/O address is set on the board using switches 1 through 8 on the address selection dip switch unit on the fax board. Please refer to your Brooktrout documentation for the location of this unit on your board.



Do not use a pencil or any object made of metal or other material that conducts electricity to move the address selection dip switches. Using graphite and other electrically conductive materials may cause severe damage to the board.

Each fax channel on the TruFax uses four consecutive I/O addresses. The address specified on the address selector switch defines the base I/O address for the first channel. The second fax channel on the board uses an address four greater than the first channel. For example, if the TruFax has its base address set to 140 hex, the two fax channels on the board use addresses 140 and 144 hex. If you have multiple TruFax boards installed, be careful not to assign overlapping I/O addresses.

The following table lists commonly used base address settings for TruFax fax boards. Using these addresses may make it easier to prevent overlapping of I/O addresses when you have multiple boards installed.

Table 1a: TruFax Switch Settings for Commonly Used Base I/O Addresses.

Base I/O Address	Switch 1	Switch 2	Switch 3	Switch 4	Switch 5	Switch 6	Switch 7	Switch 8
100	Off	On	Off	Off	Off	Off	Off	Off
108	Off	On	Off	Off	Off	Off	On	Off
110	Off	On	Off	Off	Off	On	Off	Off
118	Off	On	Off	Off	Off	On	On	Off
120	Off	On	Off	Off	On	Off	Off	Off
128	Off	On	Off	Off	On	Off	On	Off
130	Off	On	Off	Off	On	On	Off	Off
138	Off	On	Off	Off	On	On	On	Off
140	Off	On	Off	On	Off	Off	Off	Off
148	Off	On	Off	On	Off	Off	On	Off
150	Off	On	Off	On	Off	On	Off	Off
158	Off	On	Off	On	Off	On	On	Off
160	Off	On	Off	On	On	Off	Off	Off
168	Off	On	Off	On	On	Off	On	Off

Setting the hardware interrupt

The TruFax also requires you to configure an Interrupt setting. A jumper, which looks like a small plastic cap covering two wires, selects the interrupt. Please refer to your Brooktrout documentation for the location of the interrupt header on your TruFax board.

All channels on the TruFax board and all other TruFax boards installed in the same computer share the same interrupt setting. If a TruFax is already installed and operating in your system and you add more TruFax boards, you must set the hardware interrupt on the new boards to the same value as the first board.

The most common interrupt settings are 3, 4, and 5, although any other interrupt setting can be used as long as it does not conflict with other devices on the computer. In some systems, interrupt 3 may cause a conflict with the

second serial port and interrupt 4 may conflict with the first serial port. If all of the TruFax boards in your system are installed in 16-bit slots, interrupts 10, 11, and 15 are often your best choices.

Installing the TruFax board

Once the TruFax board is configured for the proper base address and hardware interrupt, you are ready to install it into the computer. Always turn the computer off before inserting or removing any board. And take all necessary precautions to prevent static discharge whenever handling the fax board. TruFax boards may be installed into either an 8- or 16-bit slot in an ISA or EISA computer.

Once the fax board is properly installed, refer to your Brooktrout documentation for instructions on connecting the phone cables.

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