

SYNTEL — THE COMPLETE VIEWDATA PACKAGE
TANDATA VERSION.

ISBN NO.

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PRESTEL is a Trademark of BRITISH TELECOM PLC.
TELECOM GOLD is a Trademark of BRITISH TELECOM PLC.

PLEASE NOTE: THIS MANUAL REFERS TO THE TANDATA Tm 110
AND Tm 512 MODEMS. PLEASE NOTE, HOWEVER, THAT THE TANDATA
Tm 110 DOES NOT HAVE THE GLASS TELETYPE FACILITY.

Syntax Complete Viewdata Package comprises a suite of programs on a 3" disk to enable the user to access the PRESTEL Viewdata system and for use as a 40 column Dumb Terminal to communicate with Bulletin Boards and Electronic Mail services such as TELECOM GOLD.

Additional products that you will require in addition to this software are:-

Tatung Einstein Micro Computer

TM80 Tatung colour monitor

Modem such as TANDATA Tm 512

Suitable RS232 cable to connect the modem to the Einstein computer Modem Type line Jack telephone socket connected to the phone line Subscription to Prestel (Phone Freephone Prestel Sales for information)

Note: It is sometimes possible to insert the RS232 cable into the Einstein the wrong way up. If your SYNTAX package appears not to work, just re-insert the cable the other way up.

OPERATING INSTRUCTIONS

Connect your modem to the computer, telephone line and the Mains as instructed by the manufacturers manual.

Switch on your equipment and insert your SYNTAX disk, side 'A' uppermost, into the left-hand drive of your Einstein (drive 0). Whilst holding down the [CTRL] key press the [BREAK] key. The left-hand drive light should come on showing that the program is being loaded. If this does not happen, retry or press the reset button on the back of the computer.

The program TANPREST will be automatically loaded into the computers memory and you will, eventually, be presented with opening screen EINSTEIN VIEWDATA and the author's name GERMSOFT/86 will be flashing.

At this point you will commence to use the Einstein Function Keys quite extensively so it will be more convenient for you to place the cardboard template with the function key names on it under the perspex cover above the grey function keys on the Einstein keyboard. This template should have been provided with your software package.

In this manual a function key will be shown as [F6] for function key 6 or [F0] for function key 2. These keys are the eight keys at the top centre of the keyboard.

Press [F6] gently until an * appears on the screen just below the Tandata name. This confirms that your computer is communicating with your modem. If the * does not appear make sure that your modem is switched on and that the RS 232 cable is correctly inserted into the computer (see earlier comment).

The Tandata Tm 512 and the Tandata Tm 110 modem have the facility to

automatically dial the Host computer and these numbers are stored into the modem.

Your next process is to enter some telephone numbers into the modem and this is done by pressing [F3]. You will be presented with a DIRECTORY of the stored telephone numbers and the prompt to enter the reference number, 1-8 of the stored number that you wish to dial. Alternatively you may enter a 9 to program a number and this is what we should do now.

You will now be asked to select the reference number, 1-8, that you will store the telephone number under and, as an example, you would enter 1 here.

The cursor will now flash on the screen next to reference number 1 and you should key in the telephone number that you wish to access (eg. your local Prestel number), without any spaces between the digits. After you have finished entering the number, continue with spaces until the cursor jumps to the right (a total of 22 characters) and you may now enter a personal reference to the number (a maximum of 12 characters). Now, if your number requires an ID, Prestel does, this may be sent automatically by the modem. This is stored by entering [F6] and the cursor jumps to the next line of the screen. Key in the ID number and press [F7] to signify that you have finished making this entry.

The above process may be continued for the remaining 7 reference numbers or you may modify any number that you have already entered.

To dial a number simply press the appropriate reference 1-8 (not 9 as this puts you back to the storing facility) and the cursor will point to the appropriate telephone number and the modem will dial automatically. If the number that was dialled is engaged you will be told so at the bottom of the screen and the number will be re-dialled automatically after a short while.

Should you have dialled the wrong number you may press [F2] and you will be disconnected and you may again press [F3] to bring up the directory page.

If you successfully get through to the Host computer, and it is Prestel, you will be presented with the Prestel Opening Page and a request for you to enter your 4 digit personal password. If you did not store your Prestel ID into the modem then you will also be asked to enter this!

Enter your password, there is no need to use the ENTER key, and you will be allowed into Prestel.

If you have not subscribed to Prestel you may get some sample screens by entering 4444444444 as the ID and 4444 as the password.

To move around within Prestel you may either follow the instructions on the screen or press [F6] followed by the appropriate page number and [F7]. For example, if you wish to see your Prestel Bill to date this is on page 92; to go directly to this page you would enter [F6] 92[F7]. This [F6] key produces a * and the [F7] key produces a £.

One of the useful utilities that can be used with Prestel is to send messages to other Prestel subscribers or to send telex messages. You may do this by going to the relevant page as described above and typing your message directly onto the screen or you can pre-prepare the message before dialling Prestel (thus saving telephone time). To pre-prepare a message press SHIFT[F0] and type your message onto the screen. Please bear in mind that you do not have the space to send a full screenful of text so keep your message brief. When you have finished typing in the message press [F7] and continue as normal. When you are on the page to send your message just press SHIFT[F2] and your message will be typed onto the screen ready for you to send.

For example:-

when you are within PRESTEL enter [F6] 77[F7] and you will go directly to the page where you can send a message to other Prestel subscribers. The first task you have to do is to enter the subscribers identity number and press the [F7] key. At the time of writing the identity number for Tatung (UK) Ltd: 090267367 and if you wished to send a message to Tatung this is what you would enter. After pressing the [F7] pressing SHIFT[F1] will send the prepared message to the screen [F7] will end your message and pressing 1 will send it or 2 will abort sending the message.

FUNCTION KEY	PURPOSE
F0	SAVES THE CURRENT SCREEN OF INFORMATION TO DISK. YOU WILL BE REQUESTED TO ENTER A FILE NAME TO STORE THE INFORMATION UNDER AND YOUR DISK MUST NOT BE WRITE PROTECTED.
F1	SWAPS THE BORDER COLOUR AND ALSO ACTS LIKE REVEAL DOES ON TELETEXT. NO HIDDEN PAGES ARE KNOWN.
F2	DISCONNECTS THE TELEPHONE LINE. USE THIS IN AN EMERGENCY AS THE CORRECT WAY TO LEAVE PRESTEL IS TO ENTER [F6] 90[F7].
F3	SHOWS THE DIRECTORY OF NUMBERS THAT THE MODEM WILL DIAL AND ALLOWS YOU TO ENTER NEW NUMBERS OR MODIFY EXISTING ONES.
F4	DISPLAYS A SCREEN FILE THAT WAS PREVIOUSLY SAVED WITH [F0].
F5	FINISHES A SESSION AND ALLOWS A USER TO ENTER THE GLASS TELETYPE MODE FOR ACCESSING BULLETIN BOARDS OR TO RETURN TO THE VIEWDATA SYSTEM.
F6	PRODUCES THE * CHARACTER WHICH SIGNIFIES THE BEGINNING OF A PAGE NUMBER IN PRESTEL.
F7	PRODUCES THE £ CHARACTER WHICH SIGNIFIES THE END OF A PAGE NUMBER IN PRESTEL.
SHIFT[F0]	PREPARE A TEXT MESSAGE.
SHIFT[F1]	SEND A TEXT MESSAGE (see above)

GLASS TELETYPE OPTION (TANDATA Tm 512)

After using the [F5] key, at any suitable point, you will be presented with the TERMINAL SELECT menu. Pressing key 1 will take you to VIEWDATA as described above but with a blank screen awaiting pressing [F3] to dial the host computer.

Pressing key 3 will exit the program and leave you in DOS.

Pressing key 2 will load the program TAMPRES2 and put you ready to access a Bulletin Board or to send Electronic Mail. Further details of this should be obtained from the operator of the system you are trying to access. The function key acts the same as for Viewdata with the following exceptions.

[F6] Will toggle the Baud Rate between 300, 600, 1200, and 2400 baud.

[F7] Will alternate between Roll and Rack text.

shift [F0] Allows you to make a message. Also works in Viewdata mode.

shift [F1] Send a message.

shift [F2] Print the screen.

shift [F3] A quick search of your phone directory.

shift [F4] Gives a line feed when a carriage return is sent by host.

shift [F5] Will send an Xon character to the host after receiving a LF character.

shift [F6] Alternates between parity Odd, Even and None.

When entering your telephone numbers for use on the Teletype Terminal you may enter the following two control characters:-

← will put a carriage return in the sequence.

|| this says that the next character, if numeric, will delay by that approximate number of seconds.

SYNTEL
ORION SOFTWARE

ADDITIONAL NOTES FOR USERS OF THE WMIRACLE TECHNOLOGY
WS2000 MODEM AND MOST OTHER MANUAL DIAL MODEMS.

PLEASE READ THIS IN CONJUNCTION WITH THE SYNTEL MANUAL.

The Miracle Technology WS2000 modem does not have the auto-dial facility as standard and, therefore, the Syntel software does not recognise this facility on the Miracle modem.

The software written for the Miracle modems will work on most other, manual dial modems, but it has not been tried on every one.

The disk should auto load, but, should you need it, the way to load it is to load XBAS first and then run the BASIC program MIRPREST.XBS.

The following notes show the areas of difference between the SYNTEL manual for the TANDATA modem and the MIRACLE TECHNOLOGY WS2000 (or other modems).

VIEWDATA

The software has the ability to save your PRESTEL customer identity. The function key labelled F2 is used to store this.

When you first load the program, press F2 and you will be prompted to enter a 'KEY'. This is the identity under which your customer ID will be stored on disk. As an example, let us assume that you wish to store this under the 'KEY' PRESTEL. To the prompt KEY enter the letters P R E S T E L and press the [ENTER] key. The screen will change and you will be asked for the new ID. (for example 4444444444) If you had previously entered an ID against the 'KEY' PRESTEL, then this would be displayed and you could edit it.

PLEASE NOTE: If you are editing an ID please edit the full line as any characters after the cursor would also be accepted.

Press the [ENTER] key and your ID will be saved to disk under the KEY PRESTEL.

The function key labelled F3 is used to recall a previously stored ID.

To recall your ID, and automatically send it to the HOST computer, first load the MIRPREST program and then press the F3 key and enter the name of the KEY file where you have stored your ID. In our example this would be PRESTEL. The words 'Indent Loaded' should be displayed at the bottom of the screen. Dial the telephone number of the computer that you wish to access and, when this computer starts transmitting to you press the F3 key again a second time. This should send your ID to the host computer and you should now be asked to enter your personal password, for example 4444.

This procedure should work every time, but should it fail, load the key file again by pressing F3 and press F3 to transmit it.

GLASS TELETYPE (300 baud data bases)

The procedure used above, to store and transmit your ID, is the same in the GLASS TELETYPE mode, but please remember the following:-

- a) To log on fully, you may need more than one line of information.
- b) The computer at the other end may talk to you between lines of input.
- c) You may wish for there to be a delay between lines of input.

To accomplish this there are two controls that can be embedded into your lines of ID information.

The left arrow key (the one below the 1/4 on the EINSTEIN keyboard) is used to store a carriage return into an ID sequence.

The two vertical lines (below the 1/2 key on the EINSTEIN keyboard) is used to store a delay into the ID sequence. The number following the two vertical lines is the approximate delay in seconds. For example:-

A1 ← II 3
DORSET234N ← II 3
A4567890 ← II 2
ID DOR123

When restored from disk, this will send A1 (c/r), wait 3 seconds
DORSET234N (c/r) wait 3 seconds
A4567890 (c/r) wait 2 seconds
ID DOR123