

A guide to setting the parameters for the TP600 and TP1000 range of clocking terminals

A guide to using TTParam Vn:0.45

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TTParam is a stand alone program used to configure the T-P600 and T-P1000 range of terminals.

Setting up TTParam with InTime V6

The Ttparam.exe is installed and ready to use, a shortcut to it is in the **Set**

or

Setting up TTParam with InTime V5

If using InTime V5 the Ttparam.exe will need to be copied from the Intime5\Utility folder on the InTime CD to the Program file\InTime5\Utility folder on your PC. The ttparams.ini file on the CD needs to be copied to the Windows folder on your PC. Create a short cut on your desktop.

Where to save your files

You will need a folder to save the configuration files created for your terminal(s), either use the Utility folder created in the InTime folder or create a new folder in C: (call it parameters).

Run TTParam, the password is ttparam.

Parameters

The first screen is 'Parameters and this should show a blank screen of horizontal lines with 'Description', 'Param', 'Value' and 'Addition info' across the top. If under 'Description' 'Param' and 'Value' the screen is blank, the TTparams.ini file is missing from the Windows folder or is empty. Close TTParam and use windows explorer to find a copy of TTparams.ini from your InTime CD \Program files\InTime_6\Utility programs folder and copy it into the Windows folder.

Communications

TTParam has 50 Terminal setting channels under the **Connection** tab, select **Terminal Setup** and set the communication settings for the terminal to be the same as used in InTime.(In Set Up/Terminals).You need not set a **ID**, unless you have more than one terminal on a **RS458** system.

If you don't want to see all 50 terminals you can limit the number in the TTParams.ini file

set the entry **MAXTERM** = (number of terminals).

Import

Under '**Connection**' top left or right select a terminal and then click the button at the bottom right of the screen. The Tx and Rx lights should flash and on the bottom left of the screen you should see the communication starting. A **Terminal ID** window will appear showing some basic info about your terminal and the Parameter screen will fill with the data from the terminal.

Import will import all the parameters, bell times, Status and names info from the terminal.

If you can't see the button because your screen size is too small, you can **Import** from Terminal at the top left of the screen.

Using TTParam

After opening TTParam always **Import** the parameter data from your terminal to see the present settings or **Load** the settings from a saved file. It's always better to **Import** because you then get all the latest data from the terminal. This will never affect your clocking data used by InTime, TTParam dos not clear any clockings.

The system **Load**, **Save**, **Import** and **Export** will be greyed out when the Bells or Status screens are selected because they have their own communication functions.

Parameter Screen

This screen lists all the parameters that have been set in the terminal (or file) you have loaded from. The 'Description' and 'Additional info' is set in the TTParams.ini file stored in your PCs Windows folder. If there are blank lines the parameter that should be on that line has not been stored in the terminal. If a parameter is not set and the terminal needs it, it will use a default one.

A list of all parameters that can be set is shown in Appendix A

Bells Screen

Bells (time settings)

Select the **Bells** screen and if you had any bell time set in your terminal they will be shown here.

To set bell times, under '**Bell Edit**' enter the first bell time eg 0800 for 8 o'clock and below select the days you wish it to ring and then click the **Add** button and the time will move into the '**Active Bell List**' on the left. When all the times have been added select the '**Export Bells**' on the right of the screen to send the times to the terminal. There is also a **Bell Test** button if you whish to test the bell is working.

It is a good idea to save your bells file, select the **Parameter** screen and then the **save** button, this will save the Parameter and bell settings.

If you need to delete a bell time select the time from the list so it appears in the '**Bell** Edit' window and delete.

To change a time you would need to delete the old time and add a new one. When all changes are done, '**Export Bells**' to send them to the terminal and **save** on the Parameter screen.

Bells (ring duration)

Ring duration is set on the **Parameter** screen, if you have no Parameters showing then **Import** from your terminal or **Load** from your file the present settings. On the **Parameter** screen find the description '**Sounder duration**, (**BELD1**) to the right of this under **Value** is the time in seconds (normally set to 10). Select the value, change it to the value you require, then **Export** to your terminal and **Save** to your file.

Daylight Saving

The Daylight saving setting are set here but there are sent to the terminal with the rest of the parameters from the main export button.

The normal setting for Spring is the last Sunday in March, the code added to parameters for this is 503. The Autumn setting is the last Sunday in October (code 510).

If you need to change these settings select the new Sunday required, you will see the code change, this change is passed to the parameter screen ready for sending to the terminal.

Import Bells This imports the bell times from your terminal, the main Import imports bells and all other parameters.

Export Bells This Exports your bell time to your terminal, the main **Export** exports the bell times and all the other parameters.

Clock Trim Clock Trim adjusts the time keeping accuracy of the terminal. Make a note of how many seconds the terminal gains or looses over a few days and then enter this in the window that appears when you click **Clock Trim**.

Set Time

The terminal time may be adjusted from here. If **Auto** is ticked PC time is always set in the time box. If **Auto** is not ticked you can set anytime in the time box (it always sends zero seconds). If **Sync** is ticked the Auto time is sent 'n' seconds before the minute change. 'n' is set in the ini file as shown below for the 3 types of coms.

```
[DELAYS]
TIMESYNCDEL0=3 //TCPIP
TIMESYNCDEL1=3 //SERIAL
TIMESYNCDEL2=10 //MODEM
```

🛞 Bell Test

Click here to ring the terminal bell for a test.

Status Screen

After you have **Imported** from your terminal, the **Status** screen shows all the employees that are clocked **in** and the day and time of the clocking. The employee number will have the name next to it if the names have been sent to the terminal from InTime.

If you wish to remove a status clocking, select the employee name and click the **Delete** button, the entry is removed from the list. To add an employee to the list enter the number next to **Clk Num** at the bottom right of the screen, select the **D**ay of Week and the **Time** and then **Add**. When the list is correct **Export** from that screen to your terminal. The main **Export** dos **not** export the status list, it can only be exported from the Status screen.

This will **NOT** affect the employee clockings in the terminal or in InTime, it only changes the IN/OUT status on the terminal.

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Names Screen

The **Names** screen shows all the employees in the terminals names list. It cannot be amended or exported.

Handswipe

The **Handswipe** screen is only for sites with the TP1000 Handswipe and is used to manage the employee hand templates. Templates are Imported/Exported from this screen. Select the terminal you need, and **Import** which will collect and list the user templates and names (if the names are in the Handswipe). **Export** will send the list shown to the terminal selected.

If you have more than one handswipe and you want them all to have the same template

click Auto Merge this will collect and save the templates from all terminals that do

not have NIU as part of the terminal description. Having collected all templates it sends

each one back to the terminal it came from adding any extra templates from any other terminal at the end of the list.

Utilities

This screen is used for testing terminals before installation. On the right under '**Setup Terminal**' are all the set routines used. When any of these are in use the system **Load**, **Save**, **Import** and **Export** will be greyed out.

Ident is set in 'Connection/Terminal Setup', this is normally left blank so nothing will show here. Ident is the **SELCL** parameter of a terminal, TTParam finds the terminal SELCL from the terminal at the start of all communication packages and uses this. An Ident would only need setting if you had more than 1 terminal on a 485 system.



SPM stands for Simple Print Memory, and is the function used to collect clockings from a terminal. This is exactly the same as InTime uses to collect data so anything you see using **SPM** is the same as InTime will see. It will not clear the terminal memory so you can use it whenever you like.

Send Clockings

This is used to make clockings in the terminal from your PC, it is used for testing the memory etc. By default it clocks numbers 1 to 99 until 4,000 clockings have been sent and the terminal memory is full. It can be stopped anytime using **Comms Brk**.

Check Dates Not normally used, checks SPM file for out of sequence	e clockings.
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The **Terminal Monitor** window is normally just monitoring the coms and showing all data received. When the **Enable Direct Mode** is ticked all the normal coms buttons are greyed out and when you click on the Terminal Monitor screen it becomes a full Rx/Tx termimal.

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Appendix A

TERMT: Terminal description. Only used shown in Terminal ID window. SERNM: Terminal serial number. 6 digit number issued by Time Tech to identify the terminal. Communication ident. Single character terminal ident for SELCL: communication, normally 'A', 'B' etc SUPPL: Supplier name. 16 character text. CUSTT: Customer name, 16 character text, TYPET: Terminal type. Normally 1 for T and A, some software use 2 or 3 for job recording. This changes how the terminal response to clockings etc SOFTW: Software in use. Always set to 1 for InTime. Formats some outputs to suit different softwares. **IRBDG:** IR badge reader. YES or NO. Switches the old IR type badge reader on or off. If YES the electronics must have the old type of reader fitted or 'BADGE READ FAIL' may appear on the display. **KEYBD:** Keypad in use. Normally set to zero. If a keypad is used for clocking, set here the max number of digits used eg 4 **RADIO:** Master/Slave radio in use. YES or NO. Yes means terminal is part of a master/slave radio system, 'M' or 'S' shown on LCD top right. MODEM: Type of modem fitted. Zero means no modem fitted. 3 = GSM modem. 5 = normal internal modem. FARCL: Fire alarm roll call. Zero means FARC is not in use. 1 = FARC in use and positive switching is used on the input from the fire alarm at TB4 of the PSU, 2 = negative switching. Needs a plug-in relay fitted on the PSU whose voltage matches the fire alarm output voltage. FARCL would be set to 1 if FARC was needed, but triggered by a badge (or hand if TP1000). WINPR: FARC printer type. 1 = a 42 character type, 2 = 32 character. New type is 32 character. FFNUM: Line feed after FARC. How many blank lines to print after list has finished printing, 5 is normal. FPINV: FARC print inverted. YES or NO. **OVERN:** FARC overnight working. YES or NO. NO clears the status list at 0300 hrs, YES dos not. **DUTYO:** Duty clocking addition. Zero means duty clocking is not used. Any number here enables the duty switch input and any duty clocking made has this number added to it so it dos not appear in the T and A clockings in InTime. If normal clock numbers are in the hundreds this number will normally be 1,000, so if emp #123 clocked a duty clocking it would be stored as 1,123. The terminal status for 123 would change. DIGIT: Digits in FARC Emp number. Normally 4. If set to 4 the emp number is 4 digits, if not 4 it is 8 digits. COM2D: Coms 2 output delay. Delay between lines sent to FARC printer. Zero is no delay, which is used for our new FARC printers. If a printer has no serial buffer a delay is added to ensure each line is printed before the next one is sent. SHOWH: Show IN/OUT when clocking. YES or NO. Yes shows IN or OUT, No shows OK.

The following 10 entries enable the FARC printout to sort and print the employees in a fire assembly point order, the order is by number groups. eg If there are 4 assembly points, first would be numbers 1 to 999, second numbers 1,000 to 1,999, third 2,000 to 2,999, last would be 3,000 to 9,999. If assembly point printing not required ASP01 = 9999.

- **ASP01:** 1st fire assembly point. 999. Highest number at this point.
- **ASP02:** 2nd fire assembly point. 1999. Highest number at this point.
- **ASP03:** 3rd fire assembly point. 2999. Highest number at this point.
- **ASP04:** 4th fire assembly point. 9999. Highest and last number must be 9999.
- **ASP05:** 5th fire assembly point. 0. Zero means not used.
- **ASP06:** 6th fire assembly point. 0. Zero means not used.
- **ASP07:** 7th fire assembly point. 0. Zero means not used.
- **ASP08:** 8th fire assembly point. 0. Zero means not used.
- **ASP09:** 9th fire assembly point. 0. Zero means not used.
- **ASP10:** 10th fire assembly point. 0. Zero means not used.

The following 8 entries are used by the Proximity reader TP600 and TP1000 to set a clock number that will manually start a Who is IN print, this is the same as a FARC print but is headed **Who is in**:

- **WINN1:** 1st number. 23. When number 23 is clocked a FARC printout is printed.
- **WINN2:** 2nd number. 500. When number 500 is clocked a FARC printout is printed.
- WINN3: 3rd number. 0. Zero means not used.
- **WINN4:** 4th number. 0. Zero means not used.
- WINN5: 5th number. 0. Zero means not used.
- WINN6: 6th number. 0. Zero means not used.
- WINN7: 7th number. 0. Zero means not used.
- WINN8: 8th number. 0. Zero means not used.

The following 2 entries **must be set** on the Bell screen. The code used is: 1^{st} digit = what Sunday, 2^{nd} and 3^{rd} digits what Month.

- **SDSDM:** Spring daylight saving. 503. 5 = last Sunday and 03 = March.
- **ADSDM:** Autumn daylight saving. 510. 5 = last Sunday and 10 = October.
- **OPEND:** Switch bell relay to open door. 0. Use bell relay for access control. 0 = No, 1 = Yes always switch, 2 = Only switch if name is in list.
- **NLEND:** Non exclusive names. Yes or No. No means the names list is Non exclusive eg accept any clock number, Yes means only accept numbers that are in the names list.

The following 10 entries are used by the Proximity reader TP600 and TP1000 to select the clock numbers that are assigned to various functions

- **FBN01:** 1st Function badge num. 12. Badge 12 calls 'Show settings'.
- **FBN02:** 2nd Function badge num. 0. No badge calls 'Copy firmware to module'.
- **FBN03:** 3rd Function badge num. 0. No badge calls 'Copy firmware from module'.
- **FBN04:** 4th Function badge num. 0. No badge calls 'Test radio to slave'.
- **FBN05:** 5th Function badge num. 20. Badge 20 calls 'Set modem'.
- **FBN06:** 6th Function badge num. 0. Not used
- **FBN07:** 7th Function badge num. 0. No badge calls 'Show time adjust'.
- FBN08: 8th Function badge num. 0. No badge calls 'Send time to slave'

- **FBN09:** 9th Function badge num. 0. Not used.
- **FBN10:** 10th Function badge num. 0. No badge calls 'Who is in'
- **T0TO8:**Converts proxy 10 digit numbers to 8 digits. YES or NO. Yes will
remove the 2 most signifient numbers from a 10 digit proxy number**OFFTA:**TP1000 Use FARC input for duty. YES or NO. If Yes the FARC input
is used to allow the TP1000 to accept duty clockings.

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