

Overview

- The TS0870P **Smart Card Programmer** programs user cards for use with the TS0870 Smart Card Reader.
- Using TITAN management software, cards are programmed quickly and easily.
- Many card programming options and functions are available.



This guide covers

- How to attach the Smart Card Programmer to a computer
- How to set up the Smart Card Programmer in TITAN
- Describes the Smart Card Programmer functions used to program cards with TITAN.
- This guide assumes you can use TITAN, Windows, and that you know how to locate a free COMM port.

Parts List

- Power pack
- Serial cable with RS232 9-pin connectors
- Smart Card Programmer

Contents

Topic	See Page
Smart Card Programmer parts and functions	2
How to attach the programmer to your computer	3
How to set up the Smart Card Programmer with TITAN	4
Other TITAN Card Writer Setup menu options	5
Smart Card Programmer options in TITAN:	6-7
Smart Card Programmer functions in TITAN's User Details screen	8

Smart Card Programmer parts and functions

- Introduction** The Smart Card Programmer consists of the main body and four labelled parts.
- **At the back** are the **Power** and the **RS232** connection.
 - **At the front** an LED **Mode** light and the **Reader** Connection.

The diagram below shows the programmer without the cables attached.



Part number	Part name	What it does								
1	Mode LED	Shows you what mode the Smart Card Programmer is in, and if it is working properly. <table border="1" data-bbox="493 1278 1430 1562"> <thead> <tr> <th>When the light is...</th> <th>Then...</th> </tr> </thead> <tbody> <tr> <td>Red</td> <td>there is power, but no data.</td> </tr> <tr> <td>Orange/yellow</td> <td>there is power, and the programmer is ready to write delete or read. The green circle at the bottom of the TITAN screen will flash</td> </tr> <tr> <td>Green</td> <td>the programmer is writing or reading.</td> </tr> </tbody> </table>	When the light is...	Then...	Red	there is power, but no data.	Orange/yellow	there is power, and the programmer is ready to write delete or read. The green circle at the bottom of the TITAN screen will flash	Green	the programmer is writing or reading.
When the light is...	Then...									
Red	there is power, but no data.									
Orange/yellow	there is power, and the programmer is ready to write delete or read. The green circle at the bottom of the TITAN screen will flash									
Green	the programmer is writing or reading.									
2	Reader	Not currently used								
3	Power	Connects to power pack. (supplied) with the round connection socket.								
4	RS232	9-pin RS232 serial port connect connects to the serial cable (supplied).								

How to attach the Smart Card Programmer to your computer

Overview

The TS0870P is packaged almost ready to use from the box.

You'll need to:

1. Connect it to a power supply and to a computer running TITAN.
 2. Set up a COMM port connection in TITAN.
-

Before you start

You'll need to locate a free COMM port on your machine.

Procedure

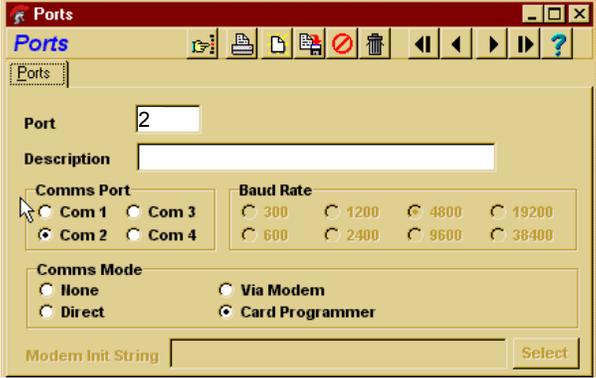
This table describes how to attach the card programmer to your computer

Step	Action
1	Attach the plug pack into your power outlet and the other end into the round power socket at the back of the TS0870P. Two small beeps will sound and the mode LED light at the front will be red
2	Connect the programmer to your computer with the second cable provided. Plug the cable in to the back of the programmer where it says " RS232 ", and the other end to the spare serial port on your computer. Result: You programmer and TITAN are ready to be set up to communicate with each other Tip: Don't connect the cable to the front of the programmer where it says "Reader".
3	Read the section on next page on how to set up the programmer in TITAN

How to set up the Smart Card Programmer in TITAN

Overview The Smart Card Programmer software is a part of the TITAN package. TITAN's card programmer setup menu configures your Smart Card Programmer.

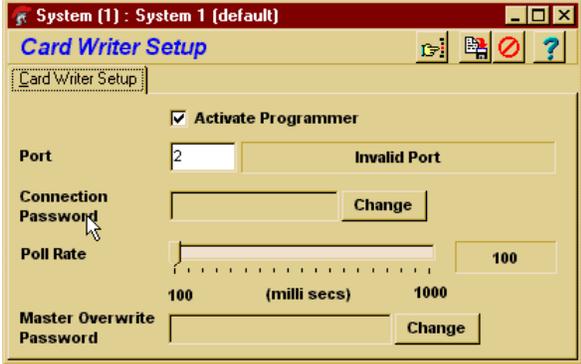
Procedure This table describes how to set up the Smart Card Programmer in TITAN.

Step	Action
1	From the main menu select Admin > Ports .
2	<p>In the “Port” box, key in a port number from 1-4. Result This activates one of four small circles that will flash green at the bottom right of the screen when the programmer is writing or reading cards.</p>   <p>Note: This port setting refers to the circles on the screen only, not the actual Comm port.</p>
3	In the “Comms Port” section select the actual COMM port. Result: The Programmer is set in this menu screen.
4	<p>In the “Comms Mode” section select Card Programmer. Clicking the save icon to save the record.</p>  <p>Result: the settings in the ports menu screen are complete, and you can move on to the Card Writer menu screen in the next step to finish setting up the programmer.</p>

Continued on next page

How to set up the Smart Card Programmer in TITAN, Continued

Procedure (continued)

Step	Action
5	From the main menu select Admin > Card Programmer > Setup .
6	<p>In the Card Writer Setup menu screen, select Activate Programmer. In the Port field enter the port number for the screen display (again this is not the actual port number, just the green circle that flashes at the bottom of the screen when you're writing or reading cards).</p> 
7	<p>Click the save icon to save the record. The card programmer is set up and ready to use.</p> 

Four other Card Writer setup options

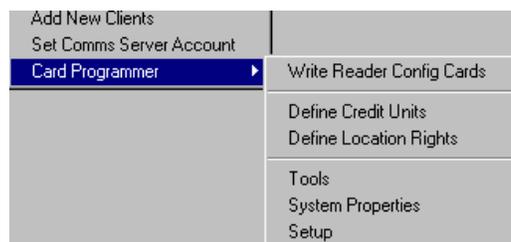
- **Connection password:** A Connection Password is needed to connect to the Card Programmer so no unauthorised cards can be programmed. This password can be any numeric password up to 10 characters in length and is manageable by the users.
- **Poll Rate:** Allows you to set how often TITAN will poll the card reader.
- **Activate Programmer:** Tick this box to operate the programmer.
- **Master Overwrite Password:** This is asked for when a new card for a user is created and that user already has a card issued OR, when a request is made to rewrite data to a card that already has data on it.

Smart Card Programmer options in TITAN

Explanation

This table gives a basic description of each of the card programmer options in TITAN. From the main menu select **Administration > Card Programmer**, and the programmer function menus will appear.

For more information, refer to TITAN's online help.



Smart Card Programmer options

This table describes each card programmer option.

Option	Explanation
Define Credit Units	Credit units allows for a maximum on 65,534 credits to be placed on the card for the use of users. For example: Photocopy credits, Soda Machine credits, Parking credits. These can be changed, added to and subtracted from. Each time a card is “badged” at the particular area, credits are subtracted from the card. All four of these fields can be changed from the default settings. Note: Placing a total of 65,535 credits on a card is the maximum number of credits allowed. Using the number 65,535 turns the card into a “master card” and the credits will never be removed.
Define Location Rights	Like credit units but, in this instance, deals with access to various locations. Example: Front Office, Factory, Store Room and Executive Suite. All four of these field names can be changed from the default settings.
Write Reader Configuration Cards	Reader Configuration Cards allow for you to specify the settings needed for the readers, and then write all the necessary data to one particular card. Then you travel around your site, badging at readers that need to be programmed, and each reader will configure to the information settings housed on the configuration card. The information on the card can be read back to TITAN and also re-written. This allows for your settings to be changed at any time. Factory-set default settings are also available.

Continued on next page

Smart Card Programmer options in TITAN, Continued

Smart Card Programmer options (continued)

Option	Explanation
Tools	<p>The Card Toolbox allows you to remove all information from the cards, turning them back into blank (factory default) cards for future use.</p> <p>Note: This process will remove all information, unless the password is locked on the card. Cards with locked passwords cannot be modified or returned to blank.</p>
System Properties	<p>System Properties manages the following:</p> <p>Card security passwords: This option comes with a default password that can be changed. You should change this default to a password of your own. Please note no integers can be greater than 127.</p> <p>Card Password Lock: (See Card Toolbox above.) Cards programmed with passwords lock cannot be modified or returned to blank.</p> <p>Card Site Code Range: Card site code numbers can be added or changed from here in the range 1 to 2047</p> <p>Wiegand Format: There are two choices for the format in which the card data can be written:</p> <ul style="list-style-type: none">• Tecom Wiegand ASP (<i>Tecom Wiegand is recommended.</i>)• 26-Bit Wiegand. <p>Card Programmer Software version: The version number of the Card Programmer Software is found here and is used for technical support.</p>

Card functions in TITAN's 'User Details' screen

User Details menu options

From TITAN's main menu select **Users > Users**. Refer to TITAN online help for more information.



Options

This table gives a brief description of the card programming options and procedures in TITAN.

Option	Explanation
Card Issue	<p>The Card Issue screen allows you to manually check and change the Card's Challenger Number, Status, Raw Card Data Number, actual Card Number, site code and PIN code.</p> <p>From this screen you send the card information to the Card Programmer. Once you've made any changes needed to the default settings, press the Write button. Place a blank card over the marked area on the TS0870P and the Programmer will beep twice when the card is successfully written. Your user card now has a copy of all the user information you programmed into TITAN and it is now ready to use.</p>
Credit Issue	<p>The Credit Issue screen allows you to manually:</p> <ul style="list-style-type: none"> • Write credits to a user's card • Read card details and credits back to TITAN.
Card Security	<p>The Card Security Screen allows you to view and change:</p> <ul style="list-style-type: none"> • Credit access levels • Credit location rights. <p>This also allows you to read and write card details from TITAN to access cards and back again from access card to TITAN.</p>

This product conforms to the standards set by Standards Australia on behalf of the Australian Communications Authority (ACA).

WARNING: This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

© Interlogix Australia
 646 Whitehorse Road
 Mitcham, Victoria 3132, Australia
 Phone 61 3 9259 4700
 Fax 61 3 9259 4799



N4131

interlogix™

TECOM | KALATEL | ARITECH | SENTROL | ESL