

TL-2000

Distributed by Aiphone

Telephone Entry System with Access Control

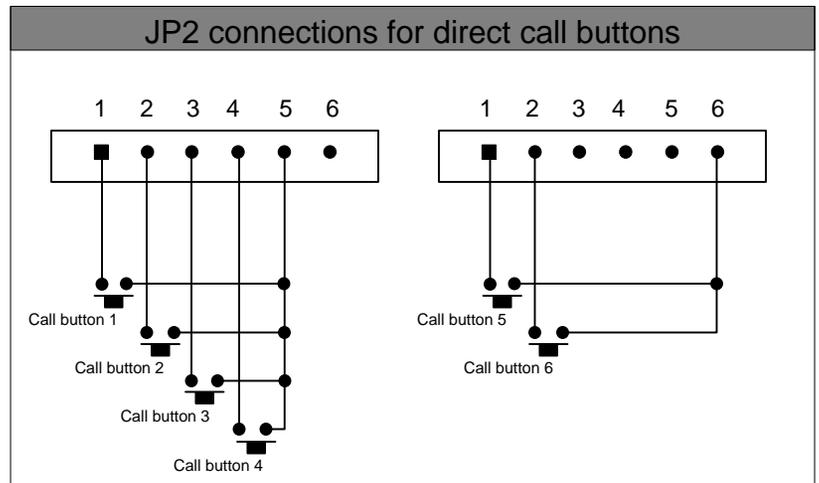
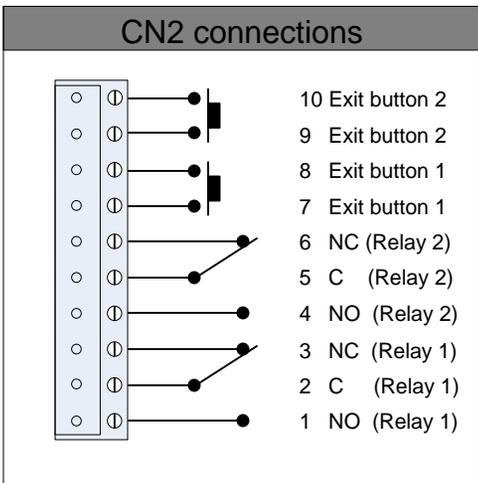
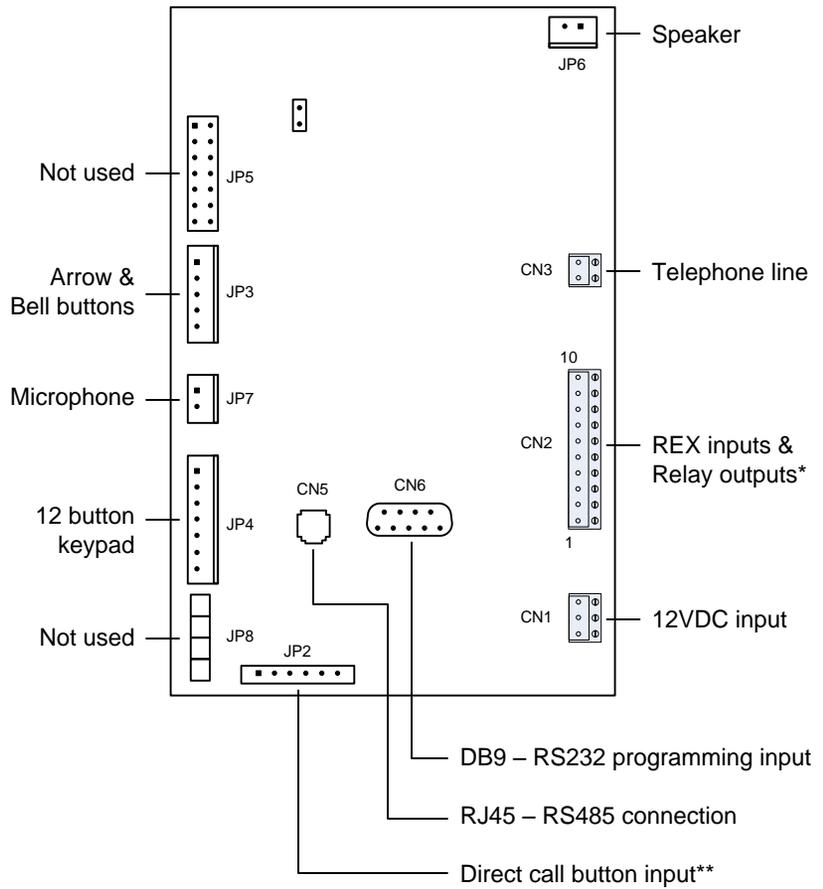
MANAGER / END USER MANUAL



TABLE OF CONTENTS

TL-2000 Connection diagram	3
Basic setup instructions for Manager	4
Installation (starting up program, change time and date)	5
General screen	5
Installation screen	6
Existing installation.....	6
New installation	6
Details of installation screen	
Period Types	
Start / Stop time settings for Period Groups	7
Holiday / Bank Holiday date setting	7
Door Panel tab	8
Residents and Access	
Tel+Access	
Creating a resident with telephone and access	8
Access Only	
Creating a resident with access only	10
Services	11
Call Log	12
Loading	
Data transfer	12
Uploading to Panel	13
Downloading / Updating PC	13
General information	14
Comments	14
Printing	15
Exit	15
Help	16
Options Menu – General Screen	
Change Password	17
Database	
Backup Database	17
Restore Database	17
Specifications	18
Default Parameters	19
Default Messages	19

TL-2000 Connection diagram



TL-2000 Basic set up instructions for Manager

- Install program from CD. Refer to page 6.
- Run program and choose **Manager** from the start up screen. Default password is “manage”. Refer to page 6.
- Select **Installation** from the general menu, or click on the **new** icon.  Fill out **New Installation** screen accordingly. If the installation already exists simply double click on it. Refer to pages 6-8.
- Change the **Parameters** as desired from the **Details of Installation** window. Refer to pages 8-16.
- Select **Tel+Access** from the **Residents** tab in the **Details of Installation** window, and click on the **new** icon.  Fill out the **Resident's Details** window as desired. Close window and repeat process until all residents are entered. Refer to page 8-10.
- Click **Loading** tab from the **Details of Installation** window. Click **Configure** button to assign the proper COM port. Click the **Connect Now** button to connect with the panel. Refer to pages 12-13.
- Click **Parameters** button to upload the Parameters to the panel. Click **Residents** button to upload the Residents' information to the panel. Refer to page 13.
- Close program.

Installation

Install the TL-2000 installation program from the provided CD.

Open the TL-2000 program.

Once open choose **Managing Agent**.

Adjust the time and date by clicking on the Modification button.

After choosing user and adjusting time and date, click OK to enter program.

There are 3 types of users to choose from.

Supervisor:	Installer only
Installation Company:	Installer only
Managing Agent:	Used to change resident information and specific parameters. Default password is manage.

Click on Modification to change time and date.

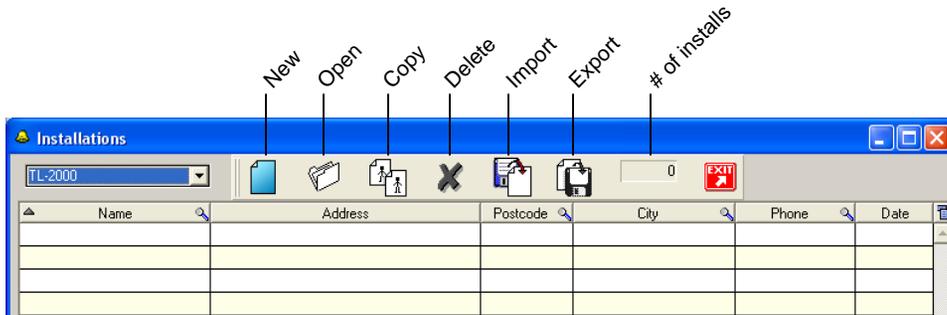
General Screen:

To begin a new installation, click on the Installation button in the general screen menu.

Click here

Installations Screen:

At the top of the menu there are icons that allow you to create a new installation, open an existing installation, or copy and delete existing installations. In addition there are icons that allow you to import and export data from TL-2000 entry panels. The number of saved installations is indicated in an area between the export icon and the exit icon.



Existing installation:

To open an existing installation double click on the installation, or click once to highlight the installation then click on the open icon. 

New installation:

While in the **Installations** window, click on the **new** icon. 

The **New Installation** window will appear. Fill in the appropriate information. Please note the Serial number is on a white sticker located on the back of the TL-2000 entrance panel. The Passcode is the last 4 digits of the Serial number.

The 'New Installation' dialog box is shown with the following fields: Type (TL-2000), Name of Installation (empty), Phone Number (empty), Serial N° (US), Passcode (empty), Street N° (empty), Address (empty), Postcode (empty), City (empty), Site Name (empty), and Builder (empty). There are checkboxes for 'Program to generate name', 'Prog > 1', 'Link', and 'MC'. The 'Installation Date' is set to 11/18/2011. The capacity is 1,990.

Check this box to have the program generate a name for the installation based on the street number and address.

The phone number cannot have spaces, blanks, hyphens, underscores, or colons.

The serial number is found on a white label on the back of the TL-2000 entry panel.

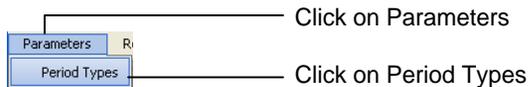
The initial passcode is the last 4 digits of the serial number.

The 'New Installation' dialog box is shown with the following fields filled in: Type (TL-2000), Name of Installation (Aiphone), Phone Number (8006920200), Serial N° (US 112407), Passcode (2407), Street N° (1700), Address (130th Ave NE), Postcode (98005), City (Bellevue), Site Name (Aiphone), and Builder (Aiphone Tech). The 'Program to generate name' checkbox is checked. The 'Installation Date' is 11/18/2011. The capacity is 1,990. The 'Installation name is automatically created using the street n° and address.' message is displayed at the bottom.

Click OK after filling in information.

Details of Installation Screen:

Upon clicking OK on the new installation window or opening an existing installation, the **Details of Installation** screen will be displayed. This allows you access to change parameters of a specific installation.



Period Types:

Period Types allow you to change the access parameters based on a time schedule. The TL-2000 has 5 different periods that can be scheduled, Group A, B, C, D, and Door Panel. A period type is a 7 day week schedule, with 1 time zone, 2 time zones, or a combination of both. To start, click on **Period Types** from the **Parameters** tab.

A) Group A, B, C, D, allows you to select up to four different groups, with each group having its own parameters for door entry controls.

B) Door Panel, allows you to determine what occurs at the door panel during the different periods. (see next page)

C) Keypad Codes, opens a 2nd window that allows you to enter 4 different codes for the specified period. When the codes are entered during the specified period, Relay 1 will be activated.

D) Name, allows you to name the specific periods.

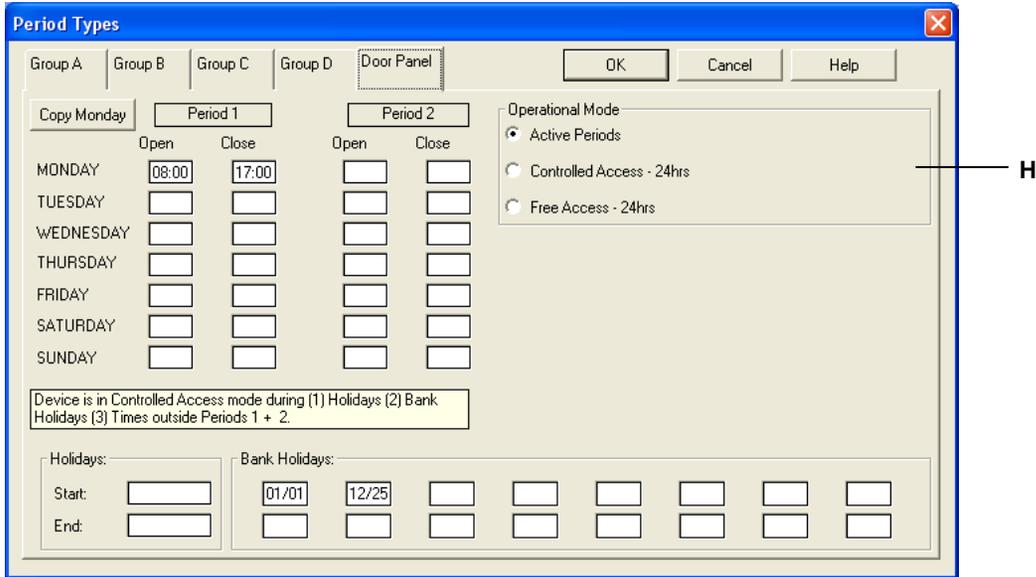
E, Period 1, Period 2. Enter the hour and minute for each day for the start and end of the specified period. Put time in the 24 hour format. If all times are the same as Monday, simply click on the **Copy Monday** button to auto-populate the remaining days.

F) Holidays, allows you to enter a start date and end date if sequential days need to ignore the specified periods. Enter as month/day/year.

G) Bank Holidays will refer to isolated dates that should ignore the specified periods. Enter the month and day numerically.

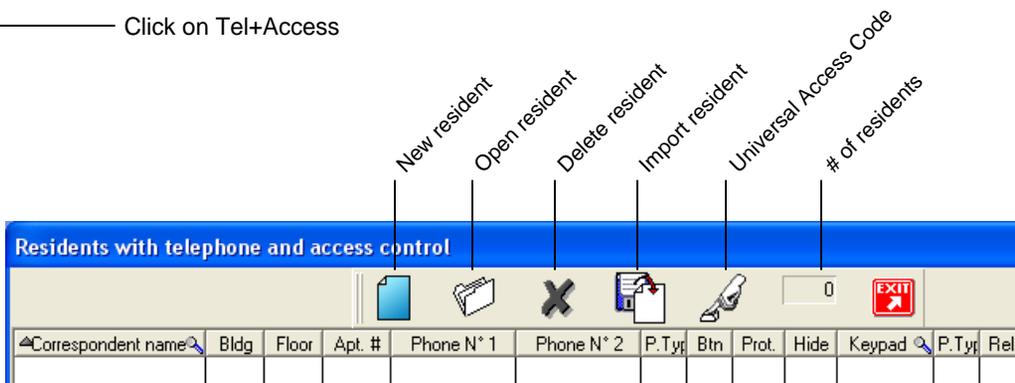
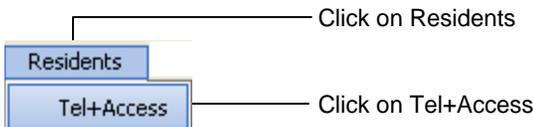
Period Types (Continued):

Select the Door Panel tab.



H) Operation Mode, allows you to choose between the different modes available. **Active Periods** are the times between Open and Close during Period 1 and Period 2. When Active Periods is selected, “Free Access” will be displayed on the panel along with an arrow pointing toward the bell button. During this time the door will be released when the bell button is pushed. When **Controlled Access – 24hrs** is selected, the door will not be released unless the proper key code has been used or the tenant releases the door. When **Free Access-24hrs** is selected, “Free Access” will be displayed on the panel along with an arrow pointing toward the bell button. During this time the door will be released when the bell button is pushed. If the arrows are used to scroll to a name and the bell button is pushed, the tenant will be called.

Residents and Access:



Residents and Access (Continued):



Click on **New** to add a Resident

The **Resident's Details** screen will display. Enter the relevant information and click OK when finished.

Resident's Details

Name:* Hidden

Building:

Floor:

Apt. #:

Phone number 1:* Protected

Phone number 2:

Call-button:

Phone period:

Keypad: Access period:

Activates relay 1 Activates relay 2

OK Cancel Help

* = required field

Check **Hidden** if you wish no details regarding this resident be displayed on the door panel. If hidden, visitors will need to know that the resident lives in the building and will enter * followed by their telephone number to call the resident.

Check **Protected** if you wish to prevent the visitor from calling the Resident by pressing the bell button. The panel will play a message directing the visitor to dial the resident's telephone number. Enabling this will prevent residents from being unnecessarily disturbed by strangers or from receiving nuisance calls from people "playing" with the panel.

Note: When protected, if the telephone number physically dialed is busy or there is no answer, the system will not automatically dial the 2nd telephone number.

Use to assign resident to a dedicated call button on the panel, if applicable.

Use to associate the resident with a period type. Example: to be protected from nuisance calls during early morning hours.

Use to assign the resident a keypad entry code. This code can be time period controlled using Access period.

Enable/Disable the relay rights for Relay 1 and Relay 2.

Access Only:

Click on Residents

Click on Access only

New resident

Open resident

Delete resident

Universal Access Code

of residents

Correspondent name	Bldg	Floor	Apt. #	Keypad	P.Type	Rel.
Cleaner				4517	A	1
Gardener				8747	B	1
Postman				5665	C	1

Access Only is used to provide access into the building via a keypad code. A unique code can be set up for persons that may require access to the building, and you can restrict usage of the code using Period types.

Click on **New** to add a Resident

The **Resident's Details** screen will display. Enter the relevant information and click OK when finished.

Resident's Details

Name:* Hidden

Building:

Floor:

Apt. #:

Keypad:* Access period:

Activates relay 1 Activates relay 2

OK Cancel Help

* = required field

Services:

Click on Residents

Click on Services

New service

Open service

Delete service

Universal Access Code

of services

Name	Phone N° 1	Phone N° 2	P.Type	Prot.	Hide	Keypad	P.Type	Rel.
Bill Locksmith	2065555678		D	<input type="checkbox"/>	<input type="checkbox"/>	5678		
Joe Plumber	2065551234		D	<input type="checkbox"/>	<input type="checkbox"/>	1234		
Mike Electrician	2065554321		D	<input type="checkbox"/>	<input type="checkbox"/>	4321		

Click on **New** to add a Service

The **Important Services – Contact Details** screen will display. Enter the relevant information and click OK when finished.

Important Services - Contact Details

Name:* Hidden

Phone number 1: Protected Phone period:

Phone number 2:

Keypad: Access period:

Activates relay 1 Activates relay 2

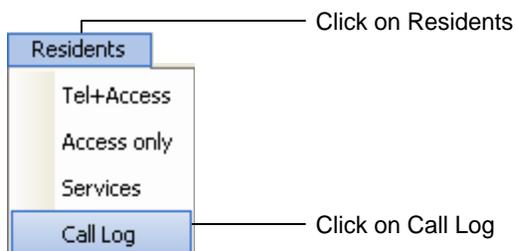
OK Cancel Help

* = required field

Up to 10 Services can be programmed to the entry panel. All of the programming and functions of the Services section and sub screens are the same as the Residents section.

Name	Phone N° 1	Phone N° 2	P.Type	Prot.	Hide	Keypad
Bill Locksmith	2065555678		D	<input type="checkbox"/>	<input type="checkbox"/>	5678
Joe Plumber	2065551234		D	<input type="checkbox"/>	<input type="checkbox"/>	1234
Mike Electrician	2065554321		D	<input type="checkbox"/>	<input type="checkbox"/>	4321

Call Log:



The **Call Log** screen displays the quality and duration of calls made to each resident in the building.

Call Log from 03/01/2003 to 30/01/2003

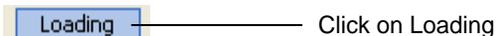
Name	Number of Calls	Total Call Duration (secs)
FLAT 168	1	17
HODGE PAUL	2	33
KIM, MR & MRS	50	449
PORTER	78	1,034
SMITH S	1	6
TABER M	3	91
TAYLOR/FLOOD	5	66

Buttons: Help, Close, -> Excel, -> Word

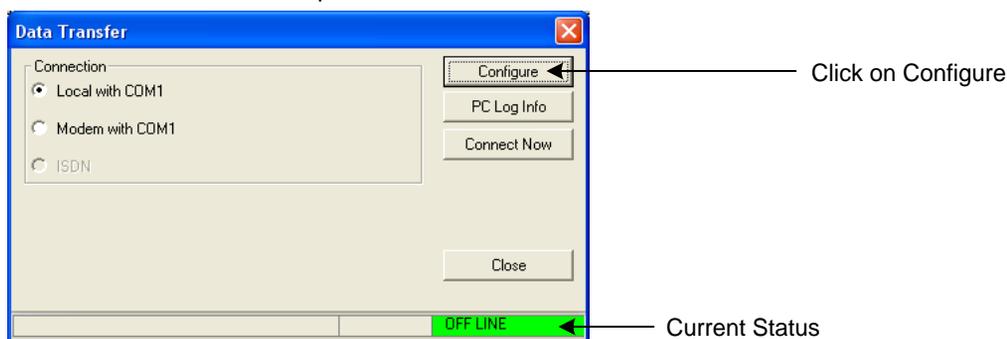
You have the choice of saving the Call Log data in Excel or Word formats.

Loading:

All programming changes made using the TL-2000 application software must be uploaded from the PC to the panel to take effect.



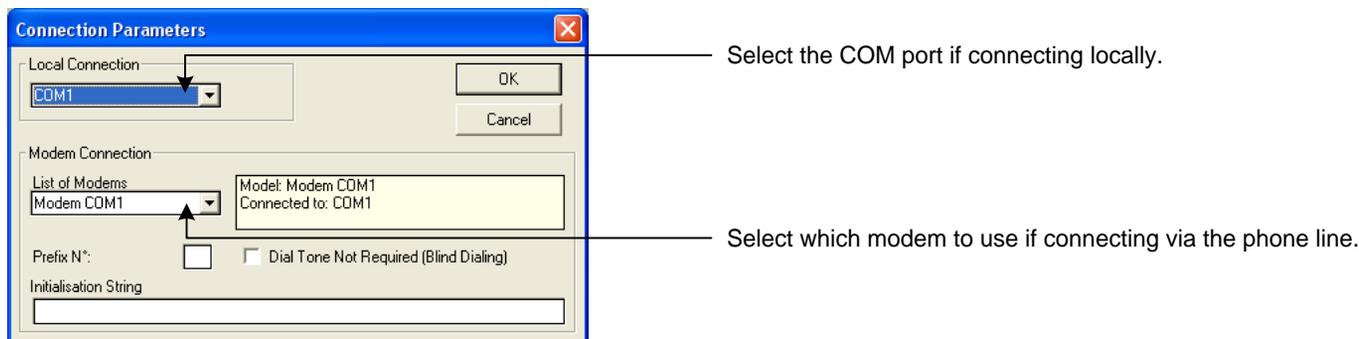
The **Data Transfer** screen opens.



The **Connection Parameters** screen opens.

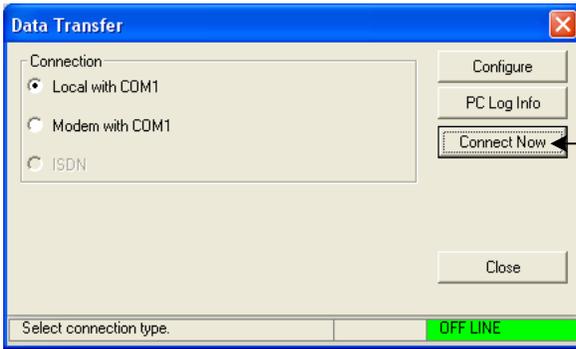
Connection to the TL-2000 panel can be made in two ways:

1. From a COM (Serial) Port of a Laptop or PC to connector CN6 on the PCB of the panel using a DB9 (null modem) serial cable.
2. Remotely from a PC via an analog modem (max speed 33,600 bps) via the phone line.



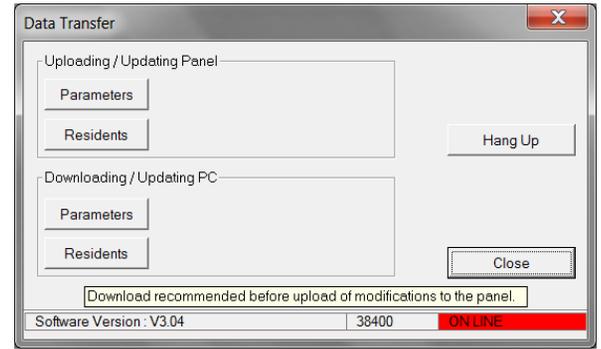
Loading (Continued):

Click OK when done, the Data Transfer window will display again.

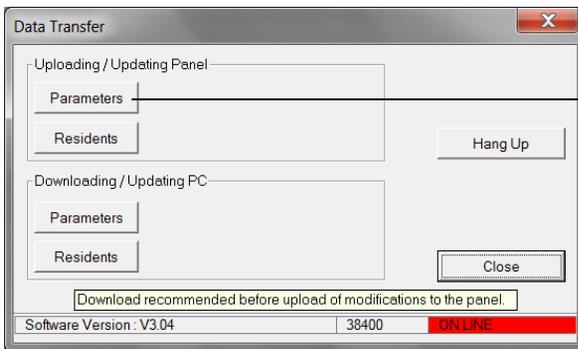


Click on
Connect Now

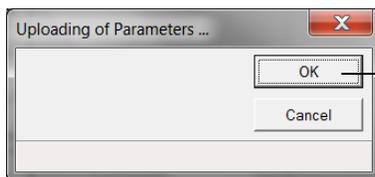
A new Data Transfer screen will display showing the status as ON LINE



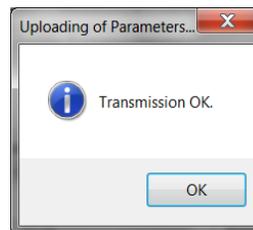
The programming information must be sent (uploaded) to the Panel to take effect.



Click on Parameters to upload all settings and configurations programmed in the Parameter sub-menu and sections.



Click OK.

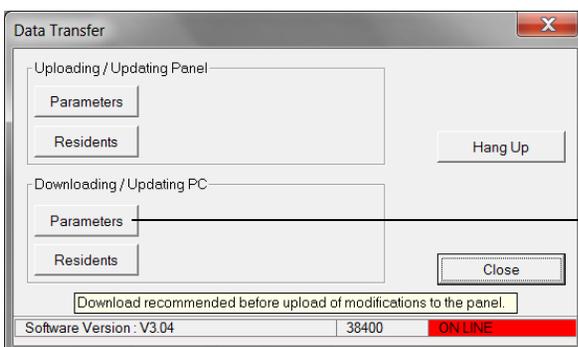


A successful transmission message will appear.

Follow the same procedure when uploading the Residents. **Each section must be uploaded separately.**

When updating an existing installation, it is recommended to download the data from the panel, make your necessary changes, then upload those changes. This will ensure that you do not accidentally overwrite any required data.

Downloading / Updating PC:



Click on Parameters to import the parameters currently stored in the panel to your PC. Follow the same procedure for downloading the Residents' information.

General Information:



The **Installation** window will display.

Type: TL-2000

Name of Installation: 1700130thAVENE130

Phone Number: 8006920200

Serial N°: US 112407 Capacity: 1,990

Passcode: 2407 Installation Date: 11/23/2011

Street N°: 130

Address: 1700 130th AVE NE

Postcode:

City:

Site Name:

Builder:

Prog > 1

Link

MC

OK Cancel

Select the panel type.

This screen will display all of the general installation information for the particular job / installation you are logged into.

Comments:

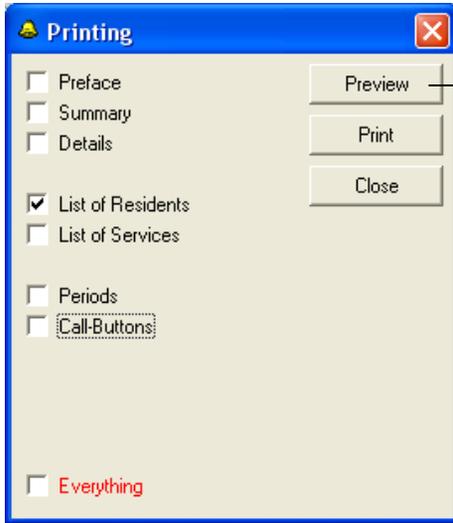


This will direct you to your Word program. This is used to make notes / comments for the installation. The Word document will be defaulted to save as the name of the installation.

Printing:

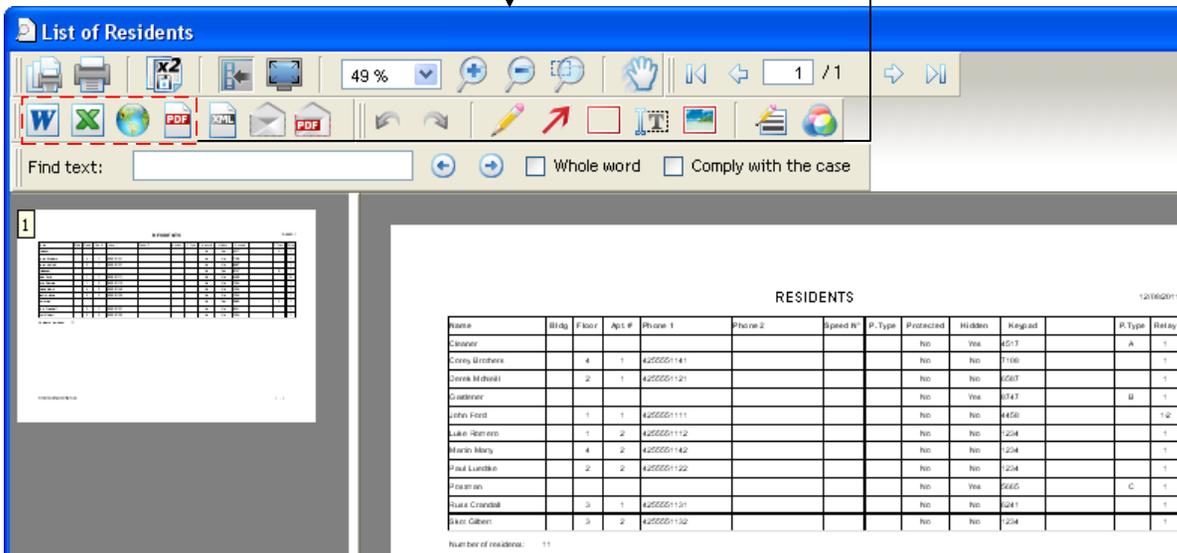
Print ————— Click on Print

The **Printing** window will display



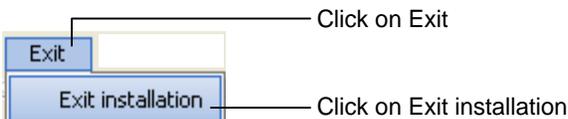
Select Preview to preview the document and choose the program you would like to save the file to (Word, Excel, HTML, PDF). Select Print to have the document sent directly to your printer for a hard copy.

Select the format in which you would like to save/export the document.

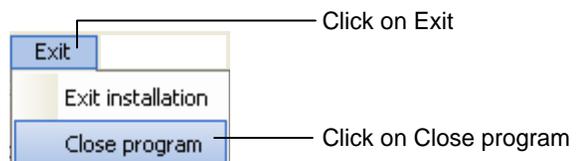


Exit:

To exit an installation



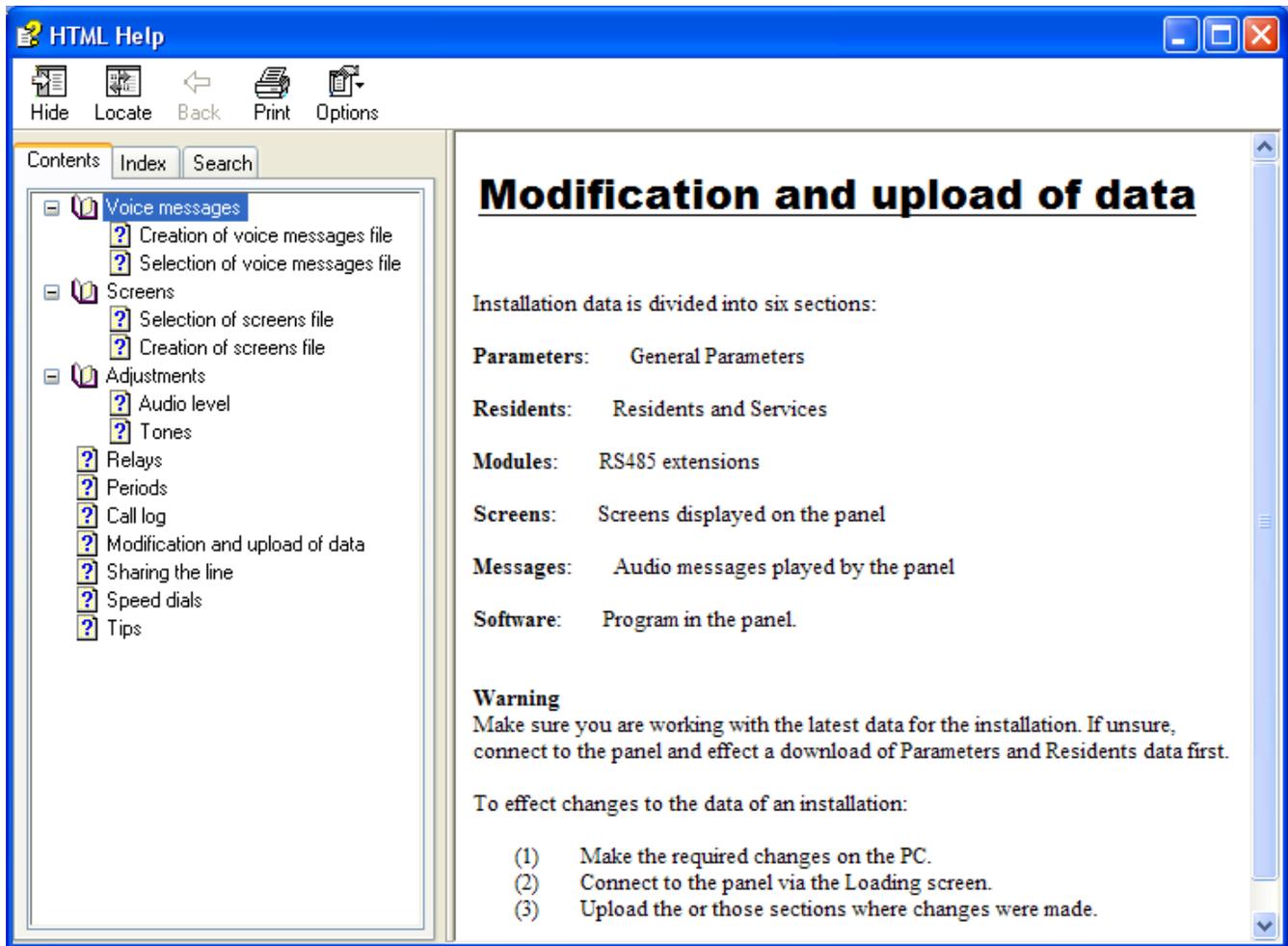
To close the program



Help:

 Click on the Question Mark (?)

This will open an HTML Help window. You can use this help window for assistance on how to program the different features of the TL-2000 panel.



The screenshot shows a window titled "HTML Help" with a blue title bar. The window contains a navigation pane on the left and a main content area on the right. The navigation pane has tabs for "Contents", "Index", and "Search". Under "Contents", there are several expandable folders: "Voice messages", "Screens", and "Adjustments". Each folder contains a list of topics, each with a question mark icon. The "Adjustments" folder is expanded, showing "Audio level", "Tones", "Relays", "Periods", "Call log", "Modification and upload of data", "Sharing the line", "Speed dials", and "Tips". The main content area displays the "Modification and upload of data" page. The page has a large heading "Modification and upload of data" and a sub-heading "Installation data is divided into six sections:". Below this, there are six sections: "Parameters: General Parameters", "Residents: Residents and Services", "Modules: RS485 extensions", "Screens: Screens displayed on the panel", "Messages: Audio messages played by the panel", and "Software: Program in the panel." There is a "Warning" section with a bold heading and a paragraph of text. Below the warning, there is a section "To effect changes to the data of an installation:" followed by a numbered list of three steps.

HTML Help

Hide Locate Back Print Options

Contents Index Search

Voice messages

- Creation of voice messages file
- Selection of voice messages file

Screens

- Selection of screens file
- Creation of screens file

Adjustments

- Audio level
- Tones
- Relays
- Periods
- Call log
- Modification and upload of data
- Sharing the line
- Speed dials
- Tips

Modification and upload of data

Installation data is divided into six sections:

Parameters: General Parameters

Residents: Residents and Services

Modules: RS485 extensions

Screens: Screens displayed on the panel

Messages: Audio messages played by the panel

Software: Program in the panel.

Warning

Make sure you are working with the latest data for the installation. If unsure, connect to the panel and effect a download of Parameters and Residents data first.

To effect changes to the data of an installation:

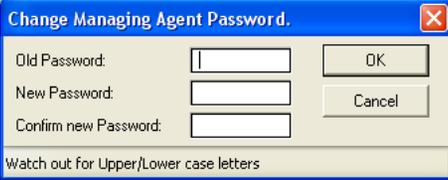
- (1) Make the required changes on the PC.
- (2) Connect to the panel via the Loading screen.
- (3) Upload the or those sections where changes were made.

Options Menu – General Screen

Password:

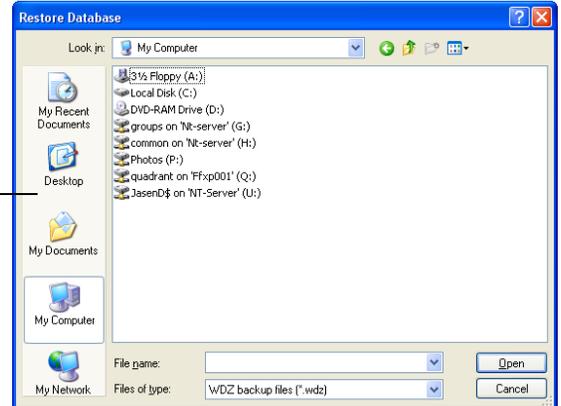
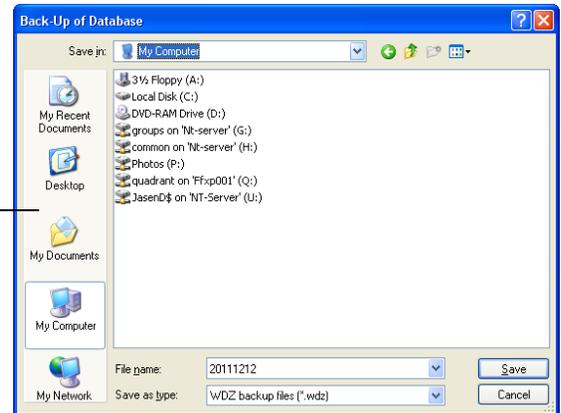
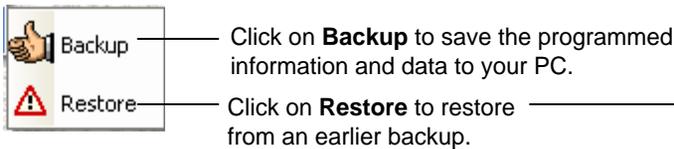
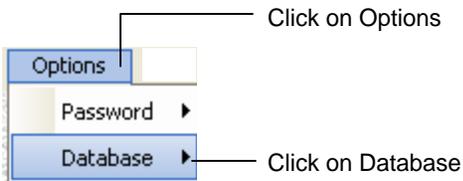


The Change Password screen will display



Enter the existing password, then type the new password and retype it to confirm. Press OK when done.

Database:



It is recommended to regularly back up all programmed information and data.

Specifications	
Connections	Operator Analog Line (a/b) or PABX extension of the internal telecommunications network of company. Socket to be analog type.
Telephones	1) Standard analog DTMF "Touch Tone" 2) Mobile telephone 3) Cordless phone Note: Pulse tone compatible.
REN Loading	=1 Maximum REN on any PSTN line = 4 If any 3 rd party equipment is connected in parallel, for example: burglar alarm, socket, etc. REN loading must not be exceeded.
Power Supply	12V DC Regulated
Power Consumption	450mA at 12V DC
CE Norms:	EN60950 EN55022 Edition 98 Class B EN55024 Edition 98 Class B
Telecommunications Norms:	CTR21
Operating Temperature	5°F to 140°F (-15°C to +60°C) Non-condensing
Number of Relays	2 (+ 5V DC output, adjustable 1-300 secs)
Relay Timers	Relay 1 = 1-300 secs Relay 2 = 1-300 secs Relay with ON/OFF period controlled latch mode possibility.
Relay Contact Ratings	Relay 1 = 2 Amps at 12V DC / 1 Amp at 24V DC Relay 2 = 2 Amps at 12V DC / 1 Amp at 24V DC
Request to Exit	2 (N/O contacts)
Programming	PC running Windows 98, ME 2000, XP, Vista, or Windows 7. TL-2000 software is available on CD-ROM. 1) From COM Port of a Laptop or PC to connector CN6 on the back of unit. (RS232 bus, 38400 bps) 2) Remotely from a PC via an analogue modem (max. speed 33600 bps) via the PSTN or internal PABX.
System Capacity	2000 main telephone numbers or extensions + 2000 2 nd telephone numbers.
Keypad Entry Codes	1 no. per resident = 2000
Trades via Keypad code	4 codes – Group A (Time Profile A) 4 codes – Group B (Time Profile B) 4 codes – Group C (Time Profile C) 4 codes – Group D (Time Profile D)
Keypad code length	3-8 digits, any mix
Trades – button	Yes (Time Profile = Door Panel)
Key override	Option
Non-volatile memory	Yes
Time, Day, Date, Calendar	Yes
Material	BS316 grade stainless steel.
Dimensions	H 13-3/8" x W 6-1/8" x D 1-3/4"

Default Parameters	
Relay No. 1 activated by:	
Telephone handset code	0
Operation time (sec)	5
Relay No. 2 activated by:	
Telephone handset code	2
Keypad on panel code	4444
Operational time (sec)	5
Operational mode	Controlled access – 24 hrs
Managing Agent keypad code	Off
Installation Company keypad code	Off
Communication time (sec)	60
Handset rings for (sec)	25
Panel rings for (sec)	6
Incorrect keypad entries prior to lock out	Unlimited
Keypad lock out for	Off
Door “Free Access” times	Off
Audio messages	On
Ring tones	OP settings
Busy tones	OP settings
Default Messages	
Message 1:	“Please wait, your call is in progress”
Message 2:	“Your correspondent cannot be reached at this time. Please try again.”
Message 3:	“You have dialed incorrectly.”
Message 4:	“Please enter.”
Message 5:	“Sorry, the line is busy. Please try again later.”
Message 6:	“Sorry, no answer. Please try again later.”
Message 7:	“The code entered is incorrect.”
Message 8:	“The code entered is correct.”
Message 9:	“Please dial your correspondent’s telephone number.”
Message 10:	“Call from door panel.”
Message 1-9 must be in the format wav, A-law, mono, 8000Hz. Message 10 must be in wav, linear 8 bits, mono, 8000Hz.	

<http://www.aiphone.com/>

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