

TempTrack Quick Installation User Guide



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1 Installing the Temp°Track[™] Software

You will need to have Administration rights to install the Temp^oTrackTM software application. Download the latest software version from <u>https://temptrack.com.au/updates/</u> as instructed. Double click on the TempTrack.exe installer.

The following window will be launched. Click on Next to proceed with the installation. Select Typical to install the Server and Local Client software.

J Temp [®] Track Setup		HTemp°Track Setup	×
Temp Track	Welcome to the Temp ^o Track	Choose Setup Type Choose the setup ty	ype that best suits your needs
0	Setup Wizard The Setup Wizard will install Temp ^o Track on your computer. Click "Next" to continue or "Cancel" to exit the Setup Wizard.		<u>Ι</u> γpical Installs the most common program features. Recommended for most users.
N P			Custom Allows users to choose which program features will be installed and where they will be installed. Recommended for advanced users.
			Complete All program features will be installed. (Requires most disk space)
		Advanced Installer	
	< Back Next > Cancel		< Back Next > Cancel

The default shortcuts for the Local Client and Server directory will be created. Select the Startup folder check box if you want the Local Client to start up when the PC is started. Select Next to continue. Click on Install to complete the installation.

B Temp°Track Setup	×	H Temp ^o Track Setup
Configure Shortcuts Create application shortcuts	Temp Track	Ready to Install The Setup Wizard is ready to begin the Temp®Track installation TempTrack
Create shortcuts for Temp®Track in the following locations:		Click "Install" to begin the installation. If you want to review or change any of your installation settings, click "Back". Click "Cancel" to exit the wizard.
[
📝 Start Menu Programs folder		
Startup folder		
Advanced Installer		Advanced Installer
< Badk Next	Cancel	< Back @Install Cancel



The following screen appears. Windows may require confirmation to proceed. Click on Finish to complete installation.

H Temp ^e Track Setup	Temp*Track Setup
Installing Temp ^o Track	TempTrack Completing the Temp°Track
Please wait while the Setup Wizard installs Temp ^o Track. This may take several minutes. Status:	Click the "Finish" button to exit the Setup Wizard.
Advanced Installer	✓ Launch Temp®Track
< Back Next > Cancel	< Back Finish Cancel



2 Establishing Wireless Communication

Power up the wireless receiver and connect the wireless receiver to your IT network. The orange LED should stay lit if a network connection has been established. The green LED will flash once a second to indicate that the receiver is ready to be connected to the TempTrack software. Connect the antenna to the gold connector. The antenna should be at a vertical orientation when in position.





Power connection Ethe

Ethernet port

Antenna connection

If your network uses a wireless repeater, power up the repeater. The LED on the repeater will turn on. Wait up to 30 seconds for the repeater to join the wireless network. The LED will now flash to indicate that it has joined the network. If the repeater fails to join the network, power it off and on again and repeat this cycle until it joins.

Power up the wireless logger(s) by pressing the reset button next to the LED. The LED will blink once every second until it has joined the wireless network, after which it will blink once every 4 seconds. The LED stops blinking after 5 minutes to conserve battery power. Note: The logger(s) should be at least 30 cm away from the wireless receiver.

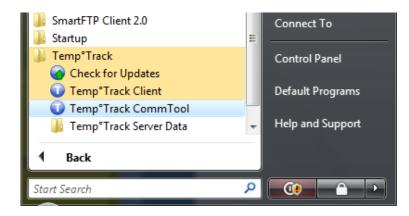


LED light Reset Port 2 Port 1



3 Configuring the Wireless Receiver

From the windows start menu, select All Programs, Temp^oTrack, and click on the shortcut to launch the Temp^oTrack CommTool.



The following screens will now appear. Select the serial number series that matches the wireless receiver, eg AYxxxxx-xx from the New Configuration screen.

Temp [®] Track Comm	Tool		
File Gateway Help			
	Ter	np Track	
Refresh Auto	Gateway Status		
		Ethernet	
Update	Address Subnet Gateway		
New Configuration	-	and the second s	
You must then edit		n the serial number of your Temp ^e ropriate. xxxx21xxxx AYxxxxx-xx	i rack gateway.
	L	oggers & Routers	
		Recover	



The following screen will appear. Select Save.



The following configuration.txt file template will be created.

```
Configuration 2 - Notepad
                                                                                                                              X
File Edit Format View Help
; Wireless Network Configuration (ZB)
  <receiver-serial-number>
                            DHCP
                                             <ves-no>
;
                             ADDRESS
                                             <ip-address> (NOTE 1)
;
                             SUBNET
                                             <subnet-mask> (NOTE 1)
;
                             GATEWAY
                                             <gateway-address> (NOTE 1,2)
;
                             PRIMARY_DNS
                                             <primary-dns-address> (NOTE 1,3)
;
                             SECONDARY_DNS
                                             <secondary-dns-address> (NOTE 1,3)
;
                             SERVER
                                             <server-address-and-port> (OPTIONAL)
;
                             PUBLIC_ADDR
                                             <public-address-and-port> (OPTIONAL)
;
                             PANID
                                             <personal-area-network-id>
;
                             CHANNELS
                                             <channel-list> (OPTIONAL, NOTE 4)
;
                             LOGGERS
                                             [<logger-serial-number>, <logger-serial-number>, ...]
;
                             ROUTERS
                                             [<router-serial-number>, <router-serial-number>, ...]
;
;
; NOTE 1: Required when DHCP is not enabled, otherwise it is ignored.
; NOTE 2: GATEWAY is only required when SERVER is defined.
; NOTE 3: PRIMARY_DNS and/or SECONDARY_DNS are only required when SERVER is defined as a host name (i.e. not an IP address).
; NOTE 4: Valid channels range from 11 to 26 (default is all channels: 11-26).
                                 (AYxxxxxx-xx series wireless receivers, DHCP)
; Ethernet Wireless Receiver 1
AY000004-NO
                DHCP
                                 YES
                PANID
                                 E2EITSOL
                LOGGERS
                                 [AU000008-XI, AU000009-AW, AU000013-CH]
; Ethernet Wireless Receiver 2 (AYxxxxx-xx series wireless receivers, STATIC)
AY000005-KQ
                DHCP
                                 NO
                ADDRESS
                                 192.168.1.100
                SUBNET
                                 255.255.255.0
                GATEWAY
                                 192.168.1.1
                PRIMARY DNS
                                 192.168.1.1
                 PUBLIC_ADDR
                                 10.11.12.13:47770
;
                PANID
                                 E2EITSOL
                CHANNELS
                                 "12, 15-18"
                LOGGERS
                                 [AU000021-FN, AU000022-CH, AU000023-WX]
; Ethernet Wireless Receiver 3
                                 (xxxx21xxxx series wireless receivers, STATIC)
0806210020
                DHCP
                                 NO
                ADDRESS
                                 192.168.1.100
                SUBNET
                                 255.255.255.0
                GATEWAY
                                 192.168.1.1
                PANID
                                 14199
```



A semi colon indicates that the line of text is a comment line and will be ignored.

- 1. If using DHCP mode, select the template for Ethernet Wireless Receiver 1. Update the <receiver-serial-number> field and LOGGERS [logger-serial-number] field with the serial number of your wireless receiver and logger(s).
- 2. If using a Static IP address mode, select the template for Ethernet Wireless Receiver 2. Update the <receiver-serial-number> field and LOGGERS [logger-serial-number] field with the serial number of your wireless receiver and loggers.
- 3. ADDRESS, SUBNET, GATEWAY The ADDRESS, SUBNET and GATEWAY define the Ethernet address for the receiver. Please consult your IT department if you are unsure of how to obtain this address.
- 4. PUBLIC_ADDR The PUBLIC_ADDR is the public IP address and port of the wireless receiver. This field is only required if the wireless receiver has to be accessed through the public network. Type in the correct public IP address and delete the semicolon which denotes the line as a comment line.
- 5. PANID The PANID is the *Personal Area Network Identity* used by the radio network to distinguish different 2.4 GHz networks to avoid interference with each other.
- 6. CHANNELS is the range of Zigbee channel(s) that the system can operate on. The channel(s) should be selected to avoid overlapping with WiFi channels to minimize interference. If CHANNELS is not specified, the system will assign a channel between 11 25.
- 7. LOGGERS update the logger serial number within the brackets [] (separated by a comma) that are assigned to this receiver. At least one logger serial number should be entered.
- 8. To configure multiple wireless receivers, copy and paste the entire configuration block. Update the relevant fields for your wireless receiver(s) and logger(s).

Click on Save when all the fields have been entered. The fields can be changed if required by editing the configuration.txt file (from the Temp^oTrack CommTool, select File, Edit) The following Temp^oTrack CommTool screen will appear.

Temp [•] Track Comr ile Gateway Help	nTool		×
	Temp Track	•	
Refresh Auto	Gateway Status		
	Ethernet		
Update	Address Subnet Gateway Primary DNS Secondary DNS Server		
	Wireless		
	wireless		
	Loggers & Routers		
	Recover		



Select Gateway which will now contain a list of receiver(s) defined in the configuration file. Select the wireless receiver you want to configure.

If DHCP mode was selected, the signal strength of the loggers assigned to this receiver will be displayed.

🕡 Temp°Track Co	mmTool		– 🗆 🗙	0	Temp°Track Con	nmTool		– 🗆 X
File Gateway Hel	р			Fil	e Gateway Help			
	Tem	p Track				Temp	Track.	
Refresh Auto	Gateway Status	AY0002 OK	56- EF		Refresh	Gateway Status	AY0002 OK	256-EF
		Ethernet		1		E	thernet	
Update	Address Subnet Gateway Primary DNS Secondary DNS Server	DHCP DHCP DHCP DHCP S DHCP			Update	Address Subnet Gateway Primary DNS Secondary DNS Server		
		Wireless				v	Vireless	
Update Restart	PAN Id. Channel Set Active Channe	E2EITSC 25 9 25	DL		Update Restart	PAN Id. Channel Set Active Channel	E2EITS 25	OL
	Logg	gers & Routers				Logge	rs & Routers	
Serial Number	Status	Signal	Parent		Serial Number	Status	Signal	Parent
AU001053-UQ AU001054-ZG	OK OK	9 9	AY000256-EF AY000256-EF		AU001053-UQ AU001054-ZG			
		Recover				R	ecover	
	DUC	ו תי			~			1

DHCP mode

Static IP address mode

In Static IP address mode, the IP address, Subnet and Gateway fields will appear in red. The wireless parameters eg PANID and channel, as well as the serial number of the specified loggers will also appear. Click on Update to program the settings from the configuration file into the wireless receiver.

Note: You may need to configure your firewall to allow communication to and from the wireless receiver.

The Temp^oTrack CommTool will now program the IP address settings of the wireless receiver and will attempt to communicate with all loggers defined in the configuration file. When communication has been established, the signal strength and the parent (receiver or repeater) it is connected to will be displayed.



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Temp°Track Com	nmTool	J DRABA		Temp [®] Track Com	mTool	AJ DARRA	
File Gateway Help				File Gateway Help			
	Tem	p Track €			Ter	mp Track	
Refresh Auto	Gateway Status	AY0000 OK)25-YF	Refresh Auto (40%)	Gateway Status	AY00002 OK	25-YF
		Ethernet				Ethernet	
Update	Update Address 192.168.40.35 Subnet 255.255.0 Gateway 192.168.40.1			Update	Address Subnet Gateway	192. 168. 255. 255. 192. 168.	.255.0
		Wireless				Wireless	
Update Restart	PAN Id. Channel	E2EITS 20	OL	Update Restart	PAN Id. Channel	E2EITSO 20	L
	Log	gers & Routers			L	oggers & Routers	
Serial Number	Status	Signal	Parent	Serial Number	Status	Signal	Parent
AU000224-FR AU000235-WA AU000235-XG AU000236-WF AU000237-CV	ОК ОК ОК ОК	7 8 9 7	BC000027-GN BC000027-GN BC000027-GN AY000025-YF BC000015-NN	AU000224-FR AU000234-WA AU000235-XG AU000235-WF AU000237-CV	ОК ОК ОК ОК	7 8 9 7	BC000027-GN BC000027-GN BC000027-GN AY000025-YF BC000015-NN
		Recover				Recover	

The wireless receiver is now configured. If the Auto refresh check box is selected, the signal strength reading will be refreshed periodically (Auto font turns red, % reading indicates % completion of signal strength test). A signal strength reading of 10 indicates maximum signal strength. Relocate any logger(s) and/or wireless receiver/repeater(s) to improve signal strength readings. Close the Temp^oTrack CommTool.

Note 1 : The Temp^oTrack PC server software and the Temp^oTrack CommTool cannot operate simultaneously as they will both attempt to seize the IP Port of the wireless receiver. Either software needs to be shut down prior to launching the other.

Note 2 : The Temp^oTrack system uses IEEE 802.15.4 Zigbee wireless communication protocol which uses the same 2.4 GHz frequency band as WiFi systems. Despite efforts made by International Standardization bodies to ensure smooth coexistence, these competing technologies may interfere with each other particularly when a high load is experienced on an overlapping WiFi band.

Figure 1 shows the spectrum utilization of Zigbee and WiFi channels. WiFi channels are spread spectrum signals and overlaps with 4 Zigbee channels, eg WiFi channel 1 overlaps with channels 11 - 14 on the Zigbee Band. To minimize Zigbee - WiFi interference, care should be taken to select Zigbee and WiFi channels that do not overlap where possible.



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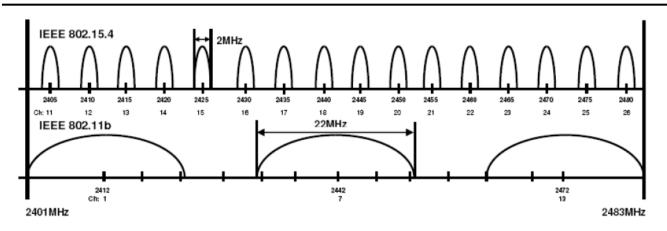


Figure 1: Spectrum utilisation of Zigbee (IEEE 802.15.4) and WiFi (IEEE 802.11b) channels.

Actual WiFi channel utilization on site can be determined by using a spectrum analyser to perform a spectrum scan or using smart phone apps for iPhone and Android phones such as WiFi Analyser, WiFi Manager, etc.

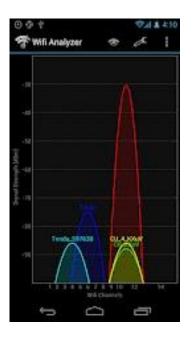


Figure 2 : Example WiFi Analyser screen showing WiFi channels detected and their channel settings.



3.1 Changing PANID of a Logger

It may be necessary to change the PANID of a logger when the equipment being monitored is relocated. If the new location is serviced by a Wireless receiver with a different PANID, the logger PANID will need to be updated to allow the logger to join the new wireless network.

The current PANID of the logger MUST be known. If the PANID is not known, a hardware dongle will need to be purchased to reset the PANID to the default PANID.

The following procedure outlines the steps required to change the PANID of a logger.

- 1. Start the CommTool and select the wireless receiver the logger is currently connected to.
- 2. Check that the logger is communicating with the wireless receiver (signal strength reading should be displayed).
- 3. Note the existing PANID and change the PANID in the configuration file to the new PANID for the logger. Enter the serial number of the logger that needs to be changed into the LOGGERS field. The configuration changes will now be applied to the wireless receiver and any loggers listed. Tip: Duplicate the PANID and LOGGERS lines in the configuration file. Inserting a ";" at the start of a line changes the line into a comment line so existing settings can be easily restored later.
- 4. Run the CommTool. The PANID will now appear in red. Select update to program the wireless receiver to this new PANID. The wireless network will be restarted and the logger will now operate on this new PANID. Proceed to step 9.
- 5. If the logger status indicates "No communication", press the restart button on the logger and check that it has joined the wireless network (LED will flash once every second until logger joins, after which the LED will flash once every 4 seconds).
- 6. If the logger fails to join, change the PANID of the wireless receiver back to the original setting, establish communication with the logger, then repeat step 4.
- 7. Click on Refresh and check that the logger and wireless receiver are communicating, eg signal strength reading will be displayed (you may need to restart the CommTool).
- 8. The PANID of the logger has now been changed.
- 9. Edit the configuration file and change the PANID of the wireless receiver and the list of loggers in the LOGGERS field back to the original values. Remove the logger that has been changed from this list.
- 10. Verify that all the loggers have re-established communications with the wireless receiver (repeat step 6 as required. You may need to restart the loggers)



3.2 Resetting PANID of a Logger

It may be necessary to reset the PANID of a logger if the PANID of the logger has been changed previously from it's default setting and the current PANID is unknown. A hardware dongle is required to reset the PANID.

To reset the PANID insert the dongle into port 2. Press the reset button and wait for three blinks on the LED, then remove the dongle. Press the reset button again and the logger will now be reset to the default PANID.

4 Temp^oTrack Server Software

The Temp^oTrack software has a split server – client architecture which supports a local client on the same PC as the server and/or remote clients on remote PC's on the same IT network.

The Temp^oTrack Server should have been launched as a service when the software was installed. Check that the Temp^oTrack Server software has started (Click on Start, Control Panel, Administrative Tools, Services).

File Action View						
	Q 📑 🛛 🖬 🐘 🕨 🖬 🕪					
Services (Local)	Services (Local)					
	Temp ^o Track Server	Name	Description	Status	Startup Type	Log On As
		🍓 Smart Card Remo	Allows the s		Manual	Local Syste
	Stop the service Restart the service	🔍 SNMP Trap	Receives tra		Manual	Local Service
	Restart the service	🎑 Software Licensing	Enables the	Started	Automatic	Network S
		🔍 SQL Server (MSSM	Provides sto		Manual	Network S
	Description:	🔍 SQL Server Active	Enables inte		Disabled	Network S
	Manages a network of Temp°Track data loggers	🔍 SQL Server Browser	Provides SQ	Started	Automatic	Network S
	lata loggers	🔍 SQL Server VSS Wr	Provides th	Started	Automatic	Local Syste
		🔍 SSDP Discovery	Discovers n	Started	Manual	Local Service
		🔍 Superfetch	Maintains a	Started	Automatic	Local Syste
		🧟 System Event Noti	Monitors sy	Started	Automatic	Local Syste
		🔍 Tablet PC Input Se	Enables Tab	Started	Automatic	Local Syste
		🔍 Task Scheduler	Enables a us	Started	Automatic	Local Syste
		🔍 TCP/IP NetBIOS H	Provides su	Started	Automatic	Local Service
		🔍 TeamViewer 6	TeamViewe	Started	Automatic	Local Syste
		🔍 Telephony	Provides Tel	Started	Manual	Network S
		🍓 Temp°Track Server	Manages a	Started	Automatic	Local Syste
		🎑 Terminal Services	Allows user	Started	Automatic	Network S
		🎑 Terminal Services	Terminal Se		Manual	Local Syste
		Terminal Services	Allows the r		Manual	Local Syste
		🔍 Themes	Provides us	Started	Automatic	Local Syste
		^A TI 1011 0	B 11			1 10 1
	Extended Standard					

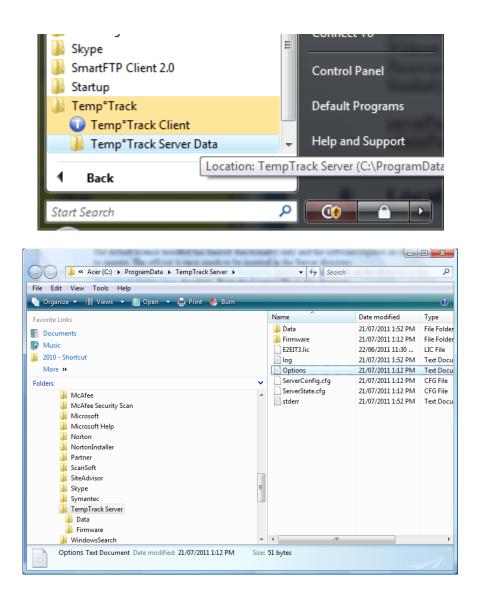
The Temp^oTrack Server software can be stopped or restarted from this Services console.



5 Software Licence, Password Control and Backup Time

The default licence installed has limited functionality only and the software requires an official licence to operate. The official licence needs to be inserted in the Server directory.

From the windows start menu, select All Programs, TempTrack, and click on the shortcut to the TempTrack Server Data directory. Paste the Licence file in this directory.



If you require password protection for the server and administration rights for remote clients, edit the Options file. By default the Options file is a Read-Only file to prevent changes from unauthorised users. The properties of this file can be edited to provide write access temporarily (Right click on the file, select Properties, select Security Tab, select User, click Edit and enable write access). Alternatively, locate the Notepad shortcut on your PC, right click and select Run as administrator, Select File, Select Open, click on Options.txt, click on Open to edit the file.

The default Options file will contain the following;



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serverPort=47770 serverPassword= adminPassword= backupTime=

If the serverPassword field is set, the client software can only connect to the PC server if the correct password is entered. Without a serverPassword defined, any remote client can connect to the server. The use of a serverPassword is recommended.

If the adminPassword field is set, the client software will have read only capability and will not be able to change any configuration settings. The adminPassword needs to be entered to change any logger or system configuration. Without an adminPassword defined, any user can change configuration settings.

A system backup is generated every 24 hours. The backup time can be specified by setting the appropriate time in hh:mm (24 hour clock format).

The server will automatically restart within 30 seconds and the licence settings together with the server password and admin password will be implemented. If the Client software was launched after installation, connection to the server will be interrupted and needs to be reconnected.

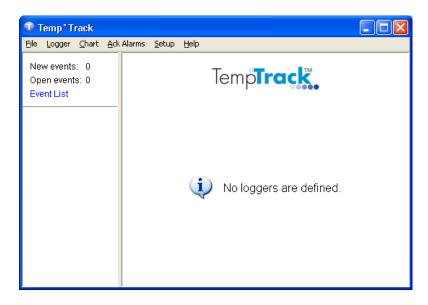


6 Local Client Software

To launch the PC client software, click on the Temp^oTrack Client icon on the desktop. The screen below will be displayed.

S Temp°Track	Preferences
<u>File Logger Chart Ack Alarms Setup H</u> elp	General Audible Alert Server
Temp Track	Address: localhost Port: 47770 Password:
Unable to contact the server! (server not running or is unreachable)	OK Cancel

Click on File, Preferences and select the Server Tab. Type in the password for the server to connect to the server. When the connection is successful, the "View Logger" screen will be displayed.



Loggers can now be added and alerting systems set up for monitoring alarms.



7 Remote Client Software

You will need to have Administration rights to install the Temp^oTrackTM software application. From the CD, double click on the TempTrack.exe installer.

The following window will be launched. Click on Next to proceed with the installation. Select Custom to install the Remote Client software.

B Temp [®] Track Setup		闄 Temp°Track Setup	
Temp Track	Welcome to the Temp°Track Setup Wizard	Choose Setup Type Choose the setup t	e TempTrack
æ//	The Setup Wizard will install Temp ^o Track on your computer. Click "Next" to continue or "Cancel" to exit the Setup Wizard.		<u>Typical</u> Installs the most common program features. Recommended for most users.
			Custom Allows users to choose which program features will be installed and where they will be installed. Recommended for advanced users.
			Complete All program features will be installed. (Requires most disk space)
	< Back Next > Cancel	Advanced Installer —	<back next=""> Cancel</back>

Click on the Server drop box and select "Entire feature will be unavailable". This will install the client software only on this PC. Click on Next to install the software. The default shortcuts for the Remote Client will be created. Select the Startup folder check box if you want the Remote Client to start up when the PC is started. Select Next to continue.

H Temp°Track Setup	H Temp®Track Setup
Custom Setup Select the way you want features to be installed.	Configure Shortcuts Create application shortcuts
Click on the icons in the tree below to change the way features will be installed.	Create shortcuts for Temp®Track in the following locations:
Vill be installed on local hard drive Will be installed on local hard drive KB on your	Desktop Country Descent filder
Entire feature will be installed on local hard drive RB on your Feature will be installed when required	☑ Start Menu Programs folder
Entire feature will be unavailable	
Location: C:\Program Files\TempTrack\ Browse	
Advanced Installer Reset Disk Usage < Back Next > Cancel	Advanced Installer



The following screen appears. Click on Install to complete the installation. Windows may require confirmation to proceed.

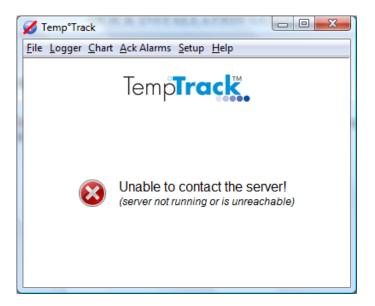
H Temp®Track Setup	Temp®Track Setup
Ready to Install The Setup Wizard is ready to begin the Temp®Track installation	Installing Temp [®] Track
Click "Install" to begin the installation. If you want to review or change any of your installation settings, click "Back". Click "Cancel" to exit the wizard.	Please wait while the Setup Wizard installs Temp®Track. This may take several minutes. Status:
Advanced Installer < Back Finstal Cancel	Advanced Installer

When installation is complete, the following screen appears. Click on Finish to complete installation.





The client software will be launched and the following screen appears.



Click on File, Preferences and select the Server Tab. Type in the IP address, Port and password for the server to connect to the server. When the connection is successful, the "View Logger" screen will be displayed.

Preferences	🕡 Temp°Track
General Audible Alert Server	File Logger Chart Ack Alarms Setup Help
Address: localhost Port: 47770 Password:	Temp Track
OK Cancel	No loggers are defined.

Loggers can now be added and alerting systems set up for monitoring alarms.



8 Configuring a Logger

From the "View Logger" screen, select Setup, Administrator and type in the administrator password. Without administration rights, the client software will have "Read Only" capability and will not be able to change any system/logger configuration settings.

Select Setup, Add logger and type in the logger name, serial number, IP address (or Receiver serial number) and Port of the wireless receiver. The logger name needs to be unique if multiple loggers are used.

Add Logger	alter and will use her.	×	Add Logger		×
Logger Name: Serial Number: Connection: Address:	Room 305	Port: 47770	Logger Name: Serial Number: Connection: Address:	Room 306 woo 1003-VQ Phetwork () Serial Arroo2256-EF etimgs from selected logger (352)	47770

The sensor configuration screen will be displayed. Type in the sensor names and click on Erase existing log data to clear the logger of any old/test data.

Add Lo	gger	
	Sensor Name	Туре
1.	Vaccine Fridge 1	Temperature 👻
2.	Vaccine Fridge 2	Temperature 👻
3.	Room Temperature	Temperature 👻
4.	Room Humidity	Humidity 🗸
	All existing log data will be erased from	the logger, due to the sensor type change.
G	2	Next Cancel



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Type in the site name and location (optional). The alarm default setting for No communications and low battery is set and the alarm will be acknowledged automatically if the alarm condition clears. Modify these settings as required. The Sensor Limits Tab enables the user to set the upper and lower alarm threshold limits.

Add Lo	ogger		lar i		x	Add Lo	gger					×
Gen	neral Sensor Limits	Sensor Timing Sensor Zo	ne About			Gene	ral Sensor Limits	Sensor Timin	g Sensor Zone	About		
Log	gger Name:	Room 305				Sen	sor	Unit	Lower Limit	Upper Limit		
Site	te Name:	Level 3 Immunisation ward	al l			Vaco	ine Fridge 1	°C	10.0	30.0]	
Site	te Location:	Royal CHildren's Hospital				Vaco	ine Fridge 2	°C	10.0	30.0]	
Cor	onnection:	Network O Serial				Roor	m Temperature	°C	10.0	30.0]	
	Address:	192.168.40.162		Port:	47770	Root	n Humidity	%RH	10	90]	
Ala		No Communication	Auto-acknowledge								1	
		V Low Battery (30%)	Auto-acknowledge									
G	2			Create	Cancel	G					Create Car	ncel
								-				

The Sensor Timing Tab enables the user to set the logging interval for both in range and out of range conditions. This allows the user to log at a higher frequency during alarm conditions. The alarm delay can be used to prevent temporary excursions outside the alarm limits such as temporary opening of the fridge door from triggering an alarm. An alarm will only be raised when sensor readings remain outside the alarm limits and the alarm delay duration is exceeded.

eneral Sensor Limits	Sensor Timing	Sensor Zone About		
	In Ra	ange	Out of	Range
Sensor	Log Interval	Time of Day	Log Interval	Alarm Delay
Vaccine Fridge 1	6 hours 🔹	Midnight 👻	20 minutes 👻	30 minutes 👻
Vaccine Fridge 2	6 hours 👻	Midnight 👻	20 minutes 👻	30 minutes 👻
Room Temperature	6 hours 👻	Midnight 👻	20 minutes 👻	30 minutes 👻
Room Humidity	6 hours 👻	Midnight 👻	20 minutes 👻	30 minutes 👻
				Create

When the new configuration has been accepted by the logger the main screen will then display the sensor readings.



9 Configuring Multiple Loggers

When multiple loggers are used, the list of loggers can be displayed in the main window by selecting Logger, Show List.

🛈 248 - Temp	°Track	R POTEMERSTON OF						
<u>File Logger Chart Ack Alarms Setup H</u> elp								
New Events: Open Events: Event List Floor Plan		Temp	oTrack.					
000	<u>^</u>	1. Room	21.8 •c					
026 137		2. Fridge	3.3 ∘c					
219222	=							
• 229 • 230								
 246 247 248 								
• 249 • 250		Name: 248	2:45:52 PM					
251252	Ŧ	Status: 🔆 💣 🚱	Tue 18/10/2011					

To configure additional loggers, the configuration setting of any existing logger can be copied and assigned to the new logger. Select the logger from which the configuration is to be copied. The sensor readings from this logger will be displayed in the main screen. Select Setup, Add logger and type in the logger name and serial number. The IP address and Port used previously will be selected by default and can be changed as required. Click on the Copy compatible settings from selected logger to copy the logger configuration and proceed to add the logger and modify any configuration settings as required.

Add Logger				×
Logger Name:				
Serial Number:				
Connection:	Network O Serial			
Address:	192.168.40.162		Port:	47770
Copy compatible s	ettings from selected logger (Room 305)			
		Next		Cancel



10 System Setup

Select Setup, System Setup to access the system features, eg Email alert, Network Alert, SNMP alert, SMS alert, Status Report, Audible alert, etc. The detailed description for each feature can be found in the User Guide. Configure the system as required.

System Setting:	5		27	i anti		Sandine San		×	
SMS Alert	Network	Alert	SNMP Alert	Status	Report	Reminder	Email	SMS	
General	Display	Units	Audible Ale				mand Alert Email Al		
Refresh Inter	rval:								
Mains Pe	owered:	10 secon	ds 👻						
Battery	Powered:	1 minute	•						
Low Battery	Threshold:	30%	•						
						ОК	Car	cel	
					(i.				

When the system configuration is completed, administrator rights can be turned off by clicking on Setup, Administrator .