

2214 EVENT LOGGER MODULE FOR THE VX2200 SYSTEM

Secured by Design



Official Police Security Initiative



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MANUAL INTRODUCTION

The information in this manual is intended as an installation and commissioning guide for the 2214 event logger module. This manual should be read carefully before the installation commences. Any damage caused to the equipment due to faulty installations where the information in this manual has not been followed is not the responsibility of Videx Security Ltd.

VIDEX run free training courses for engineers who have not installed this system before. Technical help is also available on 0191 224 3174 during office hours or via e-mail tech@videx-security.com. An electronic copy of this user manual is available for download by scanning the QR code to the right.



PRODUCT OVERVIEW

The 2214 event logger module is designed for use with the VX2200 system and the VX2200 event logger software (*version 1.0.0.9*). The 2214 connects between the two wire bus and a laptop or PC (*via an Art.481*) and records the events such as who is being called, when a conversation has taken place and who is opening the door.

For higher security applications including installations in compliance with 'Secure By Design' the 2214 also includes a remote relay and push to exit button input (*as found on the 2213 remote relay*) which enables it to be installed in a secure location away from the entrance. Another feature of the 2214 is that it can store up to 4000 events whilst offline, however when it is connected online in 'real time' the events are unlimited. The 2214 event logger software also includes a 'caller display' feature whereby information regarding the call is shown in real time when the call is made. The information that is displayed during a call is the flat/apartment being called, the name of the person or area being called and the entrance/area where the call was made from (*refer to page 10*).

OPERATION AND CONNECTION

Up to sixteen 2214 devices can be setup on any 2200 digital bus system. The 2214 device number (*from device 0 to 15*) can be set using dip switches 1-4 (*also refer to page 6 for dip-switch settings*).

The 2214 is programmed using the event logger software and is connected to a PC or laptop via an Art.481 RS232/RS485 converter. The connection from the Art.481 RS232/RS485 converter to the 2214 device can be made using **either** the RS232 connection **or** by using the RS485 terminal connections **but not both**.

RS232 Connection

If only a single 2214 module is required on the system bus then it can be connected using a USB cable between the PC or laptop (*using an Art.481 RS232/RS485 converter set up in RS232 mode*) to the RS232 3.5mm jack plug connection on the 2214 module. Fig.1 shows an example of an RS232 connection for a 1 entrance system.

RS485 Connection

If multiple 2214 modules are connected onto the system bus then they should be connected using a USB cable between the PC or laptop (*using an Art.481 RS232/RS485 converter set up in RS485 mode*) to the RS485 terminal connections on the first 2214 module in line and then an RS485 cable between subsequent 2214 modules. Fig.2 shows an example of an RS485 connection for a 1 entrance system with two 2214 modules monitoring the bus on two different 'legs' of the system bus.

RS232 Connection

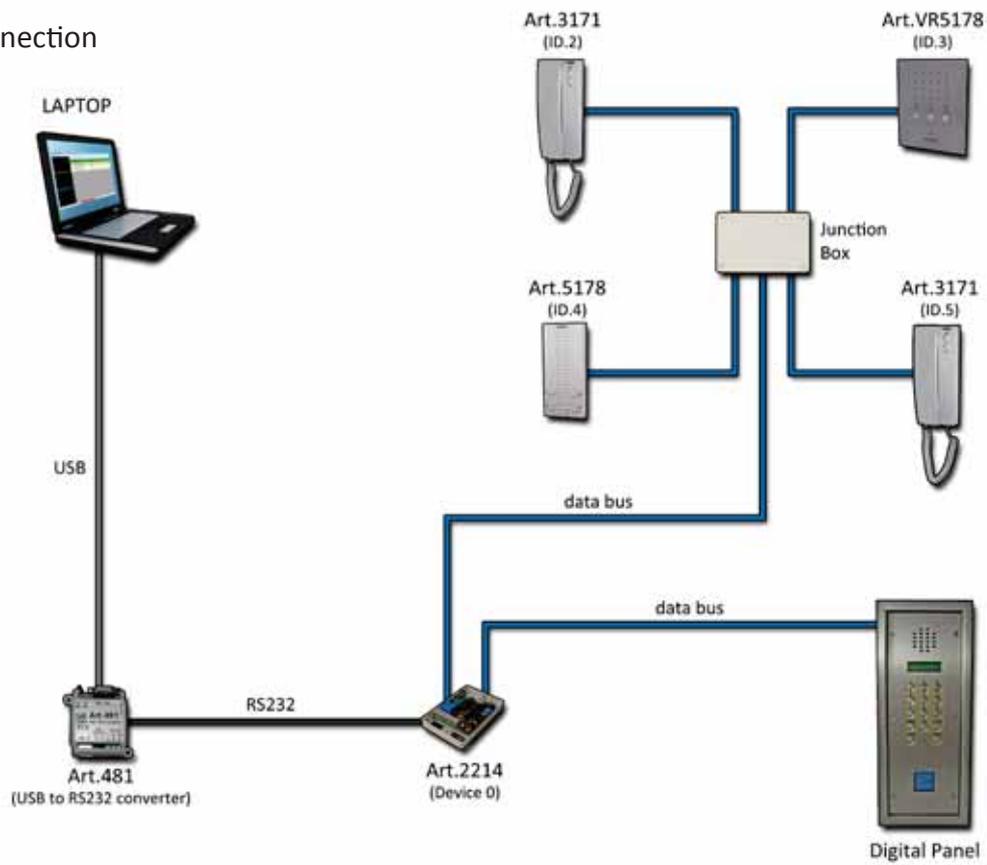


Fig.1

RS485 Connection

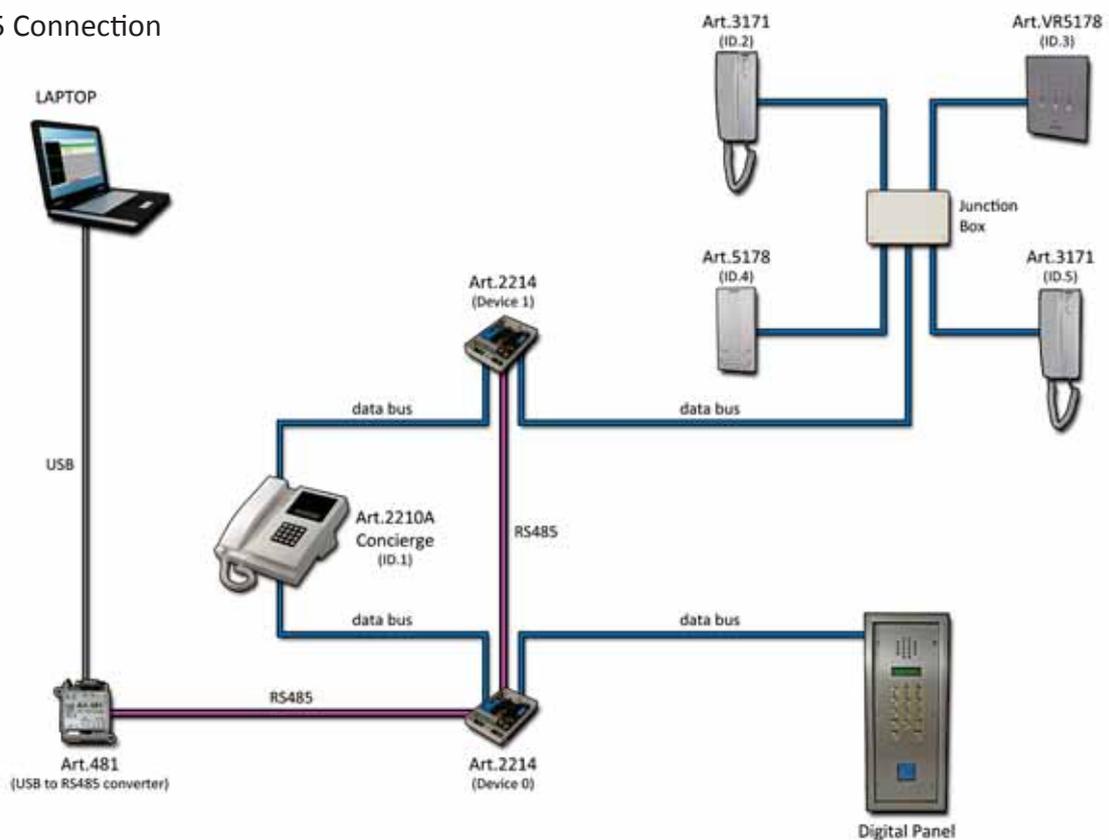
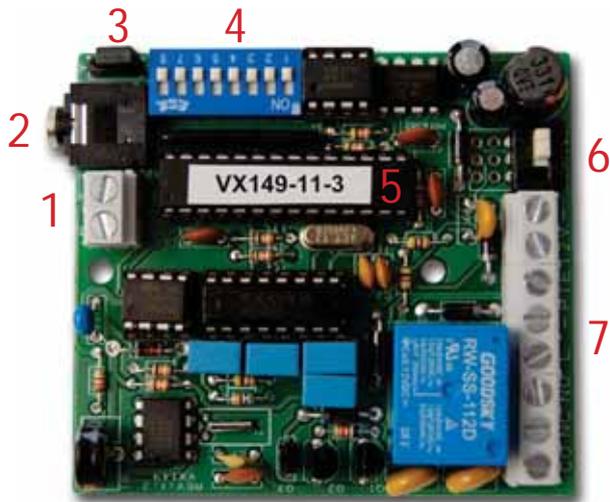


Fig.2

2214 PCB LAYOUT



1. RS485 bus (A,B) terminal connections (see description below).
2. RS232 3.5mm jack plug connection.
3. RS485 bus termination jumper.
4. 8 way dip-switch.
5. 2214 software chip.
6. RS485/RS232 switch.
7. 8 way terminal connections (see description below).

RS485 Bus Termination Jumper Setting



Position A = RS485 termination closed.



Position B = RS485 termination open.

RS485/RS232 Switch Setting



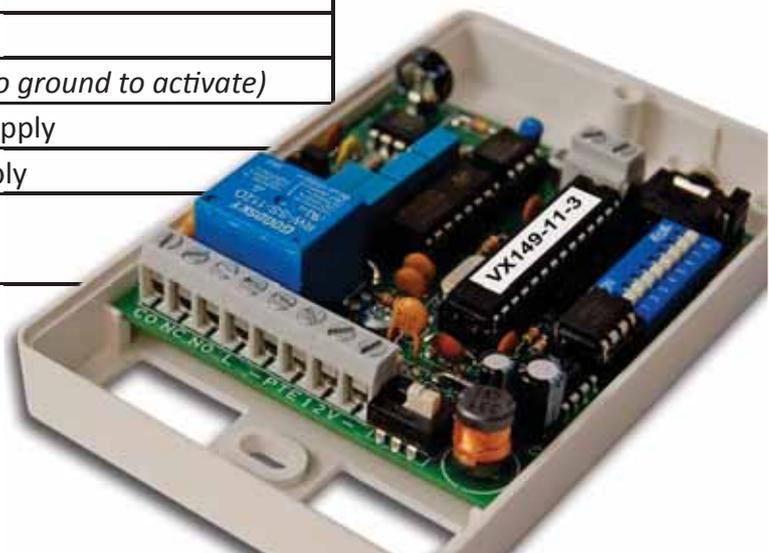
Switch away from the terminal block = RS485



Switch towards the terminal block = RS232

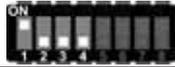
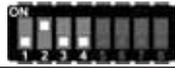
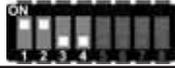
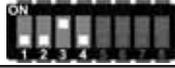
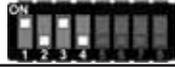
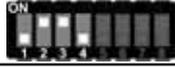
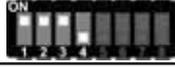
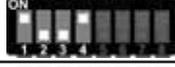
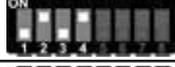
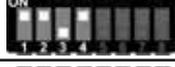
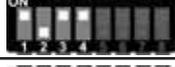
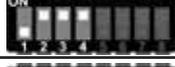
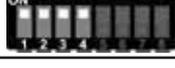
TERMINAL CONNECTIONS

Connection	Description
CO	Common connection of the relay
NC	Normally closed connection of the relay
NO	Normally open connection of the relay
L	Bus connection
-	Bus ground connection
PTE	Push to exit input (<i>short to ground to activate</i>)
12V	12V-14Vdc from power supply
-	0V input from power supply
A	RS485 bus connections
B	



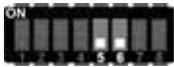
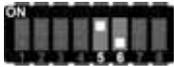
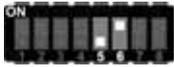
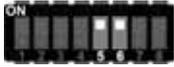
DIP-SWITCH SETTINGS

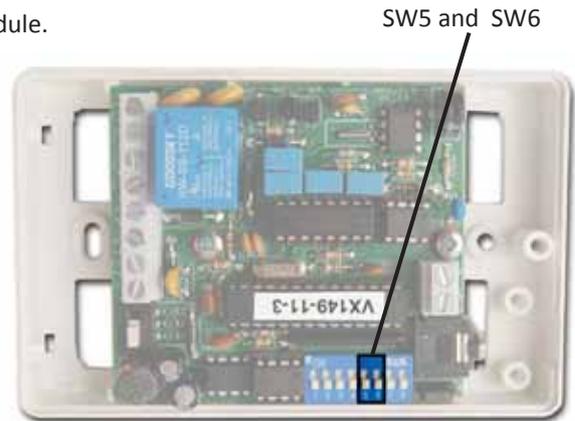
Dip-switches SW1 to SW4 sets up the device number of the 2214 module (from 0 to 15).

Setting Device Number					
Device Number	SW1	SW2	SW3	SW4	Switch position
0	OFF	OFF	OFF	OFF	
1	ON	OFF	OFF	OFF	
2	OFF	ON	OFF	OFF	
3	ON	ON	OFF	OFF	
4	OFF	OFF	ON	OFF	
5	ON	OFF	ON	OFF	
6	OFF	ON	ON	OFF	
7	ON	ON	ON	OFF	
8	OFF	OFF	OFF	ON	
9	ON	OFF	OFF	ON	
10	OFF	ON	OFF	ON	
11	ON	ON	OFF	ON	
12	OFF	OFF	ON	ON	
13	ON	OFF	ON	ON	
14	OFF	ON	ON	ON	
15	ON	ON	ON	ON	



Dip-switches SW5 and SW6 sets up the relay time of the 2214 module.

Setting Relay Time			
Relay Time	SW5	SW6	Switch position
1 second	OFF	OFF	
2 seconds	ON	OFF	
4 seconds	OFF	ON	
6 seconds	ON	ON	



Dip-switch SW7 sets up the data transfer of the 2214 module.



2214 Data Transfer (1 door system only)		
Description	SW7	Switch position
2214 module automatically sends data	ON	
2214 module sends data on request from software	OFF	

SW7

Dip-switch SW8 sets up the 2214 module for use on a 1 level or 2 level system.

2214 Data Transfer (1 door system)		
Description	SW8	Switch position
1 level system operation	OFF	
2 level system operation	ON	

SW8



TECHNICAL SPECIFICATION

Input Voltage	12V - 14Vdc
Current (standby)	9mA
Current (during relay activation)	45-50mA
PTE input open voltage	5Vdc
PTE input closed voltage	0Vdc
Bus voltage	8Vdc
Maximum bus cable resistance	7Ω
Relay Contacts	10A @ 24Vdc 12A @ 120Vac 5A @ 250Vac
Enclosure material	ABS plastic (white)
Enclosure dimensions	110mm (L) x 70mm (W) x 30mm (D)

SOFTWARE INSTALLATION

Before installing the 2214 event logger software first install the driver for the Art.481 RS232/RS485 converter (please refer to Videx Application Note 'AN0002 Art.481 Driver Installation'). After this driver has been installed the 2214 event logger software can be installed.

NOTE: The Art.481 RS232/RS485 converter module, RS232 cable, USB cable and driver installation program is supplied with the 2214 event logger module and the driver on the installation CD.

Event Logger Software Setup

Insert the 2214 CD supplied into the PC CD/DVD ROM. From the start menu select RUN. The run dialog box will appear. Type in 'D:\SETUP' (where D is the the letter of the CD/DVD ROM drive) and then press OK. The SETUP wizard will launch. Follow the instructions on screen to complete the setup. Once the setup has completed the 2214 event logger software will be available in the start menu under 'Videx Logger' or alternatively the program will be available by clicking on the event logger icon on the desktop (see below).



Hardware Setup

After both the Art.481 RS232/RS485 converter driver and 2214 Event Logger software have been installed onto the laptop/PC the Art.481 module, the 2214 Event Logger module and the laptop/PC need to be connected. As mentioned previously (refer back to pages 3 and 4) the 2214 module can be connected in one of two ways either by RS232 connection or by RS485 connection. See Fig.3 for RS232 connection and Fig.4 for RS485 connection.

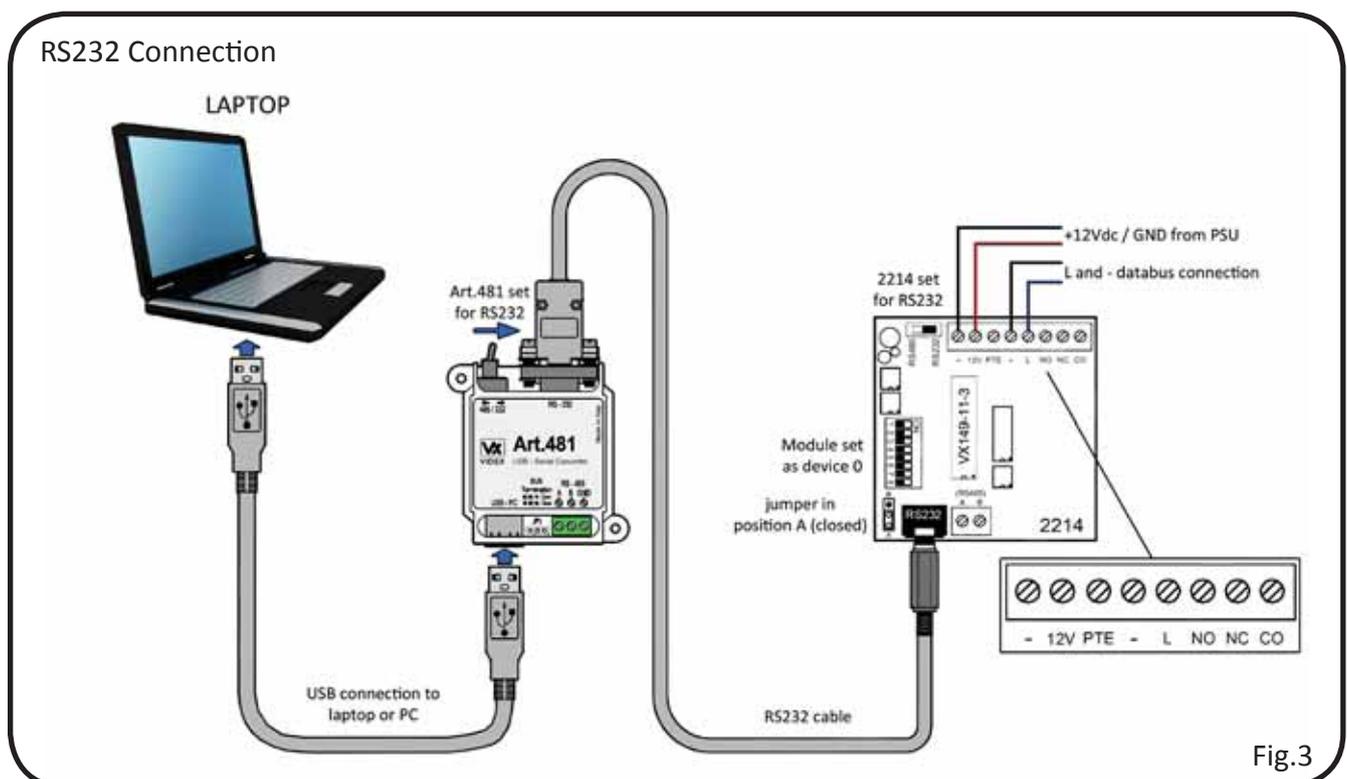
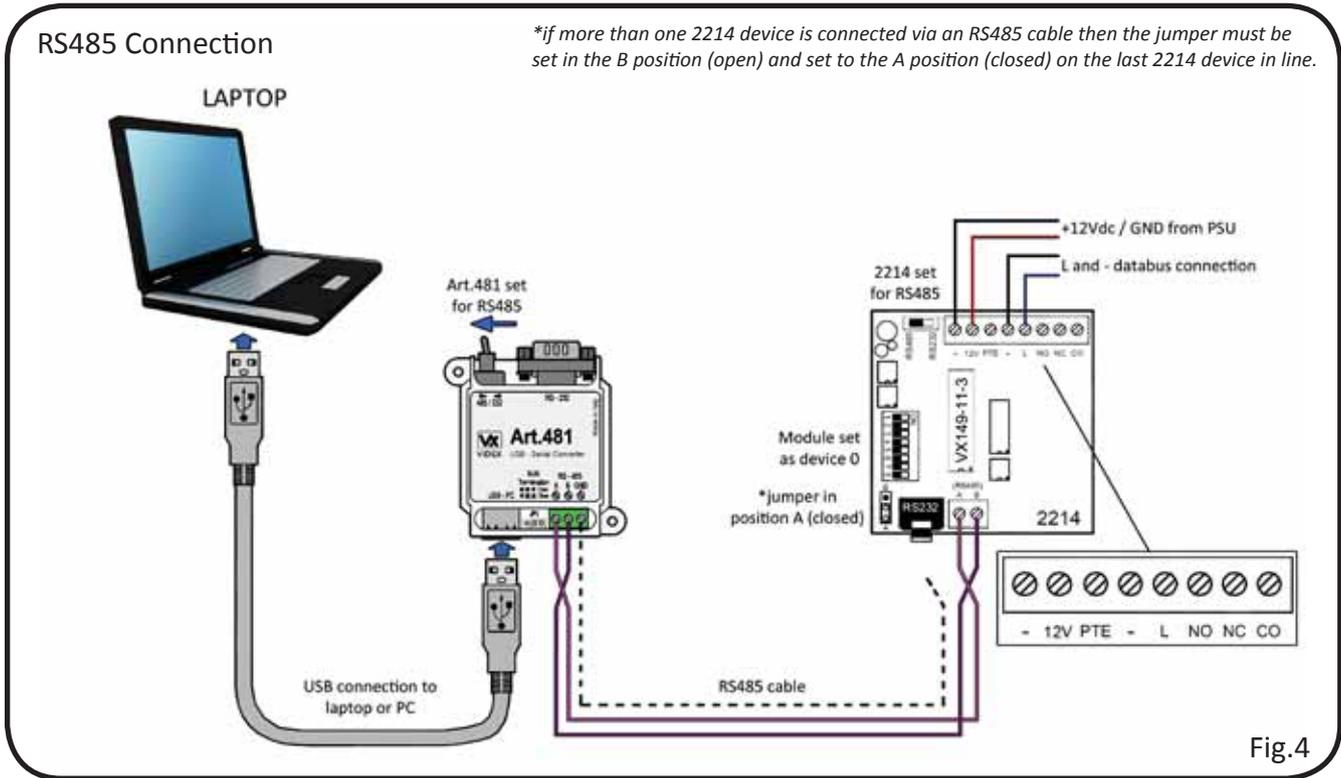


Fig.3

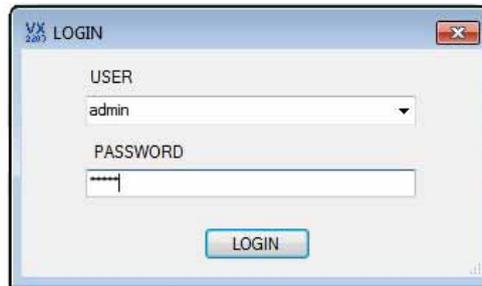


Launching the Software for the First Time

Once the 2214 even logger has been connected load up the event logger software through the start menu by clicking on the START menu button and then PROGRAMS and then click on the Videx folder and select 'Videx Logger' from the list. Alternatively double click on the desktop 'Videx Logger' icon (as shown on page 8). When the program loads, it checks the available COM port the 2214 event logger is connected to and searches for all available devices connected. The following window will appear when loading up:



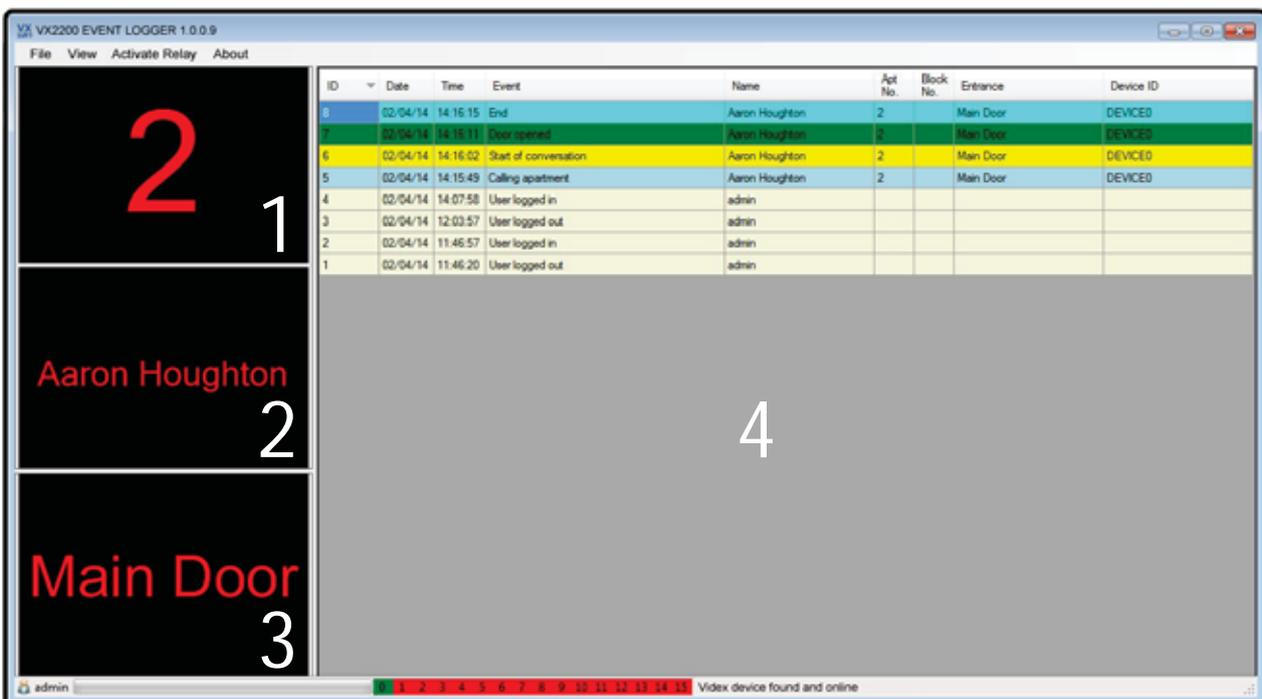
The loading window will appear for a short period as it checks the COM ports of the laptop/PC searching to see if a device is already connected. After the software has checked the COM ports the login window will appear:



The default login name and password is 'admin' both in lower case (*these can both be changed later in the setup window*). After entering the login name and password click on the 'Login' button.

The Main Event Logger Screen

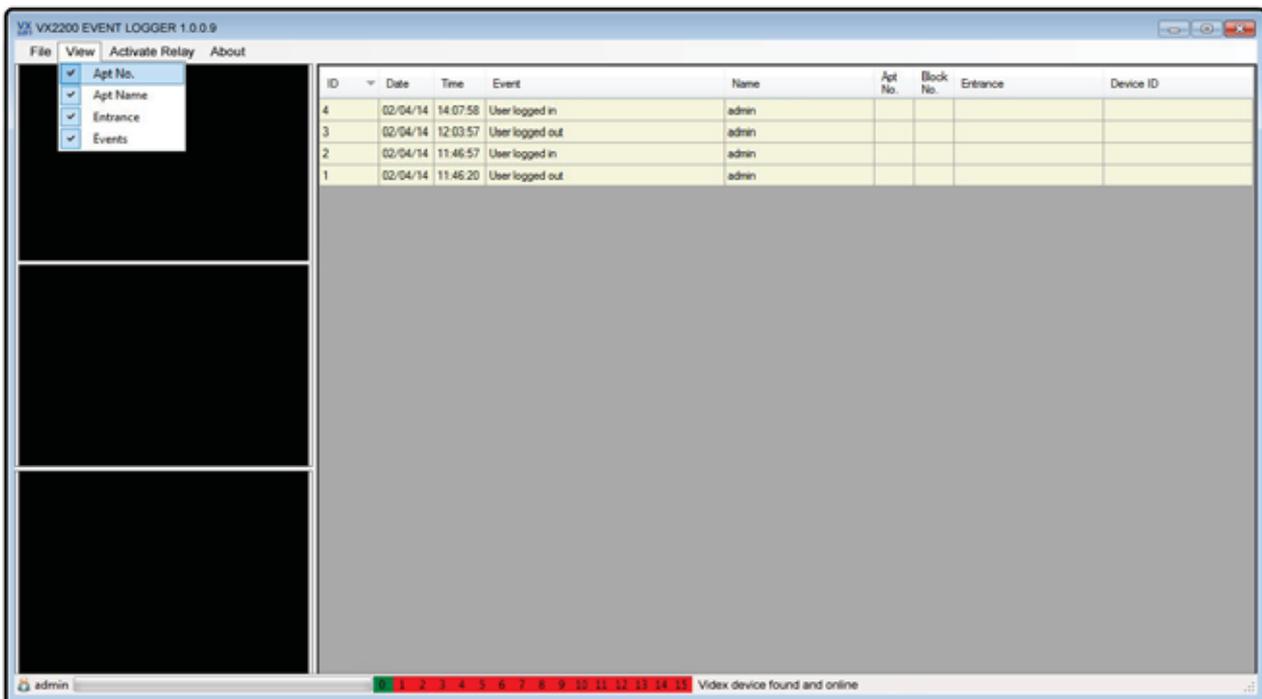
The main event logger screen will appear. From this screen several options can be selected. The main screen is split into four sections (*as shown below*).



1. The top left section displays the Apartment Number being called.
2. The middle left section displays the Apartment Name being called.
3. The bottom left section displays the Entrance making the call.
4. The right section displays events in 'real time'.

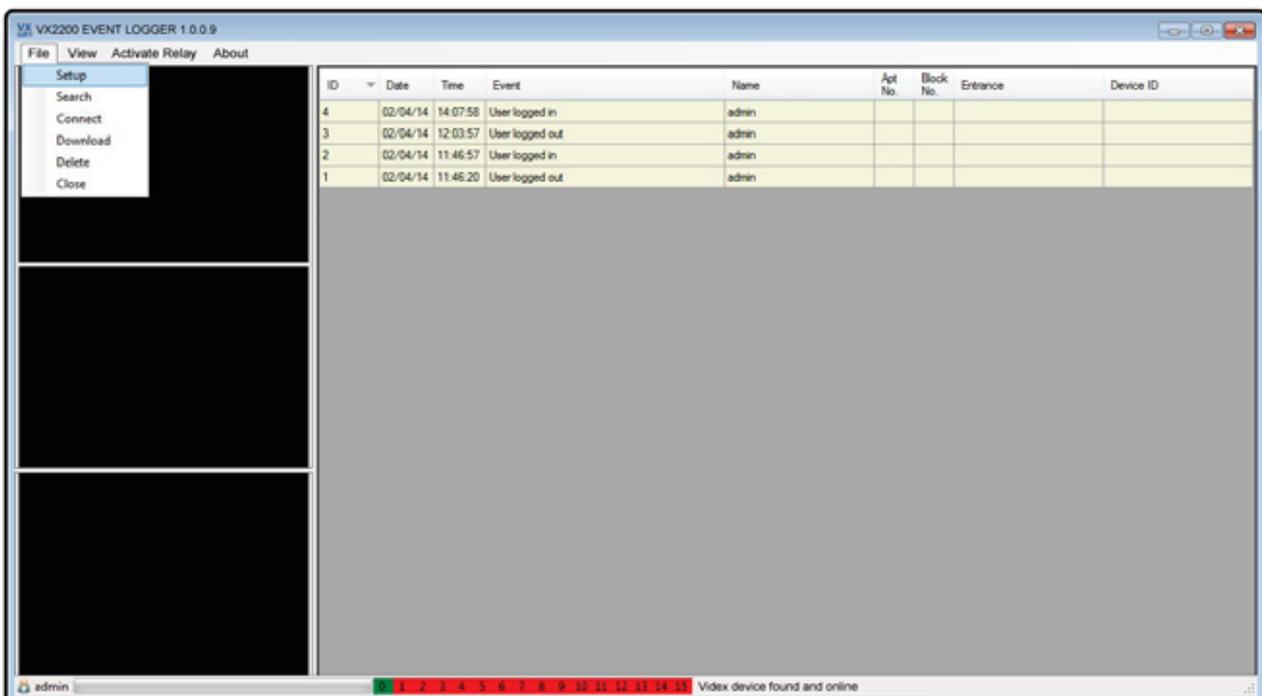
Also displayed at the bottom left corner of the main window is the login user name and to the right of this the number of devices that are connected and online (*devices that are connected online will be shown in green*).

From the main event logger window it is possible to adjust the view settings. Simply click on 'View' from the top menu and click on the 'tick' to the left of the menu descriptions to select or de-select the information you require to be shown on the screen (*as shown below*).

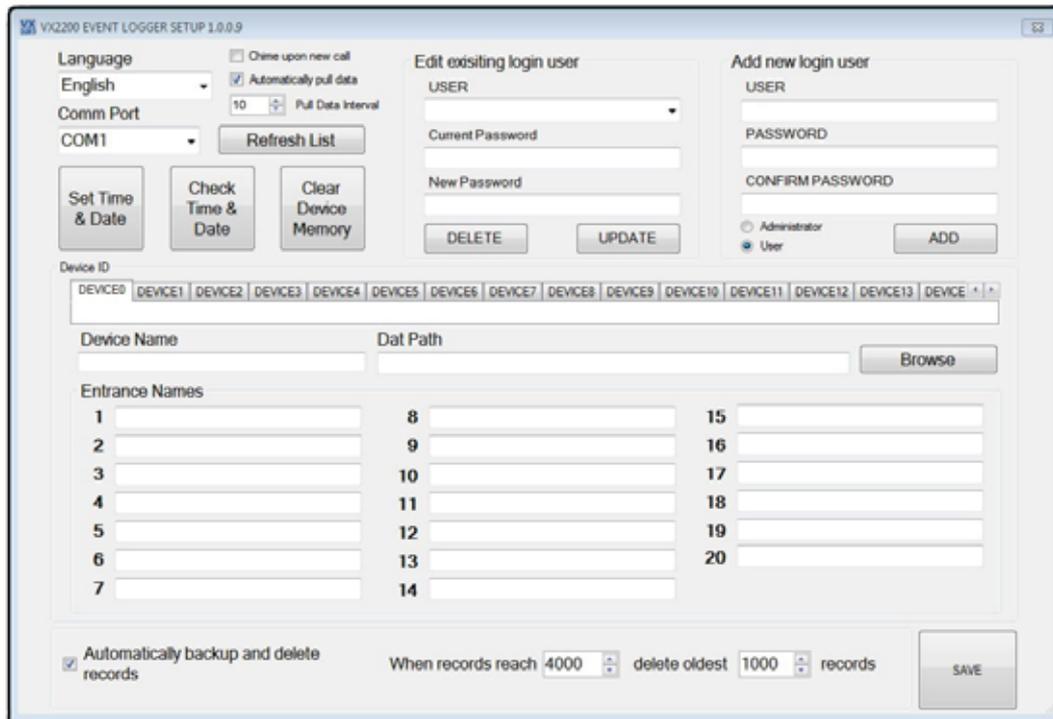


System Setup Screen

In order to make adjustments to the system setup from the main event logger screen first click on 'File' from the top menu and select 'Setup' from the drop down list (*as shown below*).



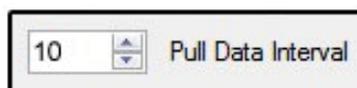
The event logger setup window will appear (*see page 12*) where multiple options can be selected and any system adjustments can be made.



On this window it is possible to set the following:

- **Language** - click on the drop down menu to select the language to be displayed.
- **Automatically pull data** - tick this box (*dip-switch 7 must be set to the OFF position*) in order for the 2214 software to pull information directly from the 2214 event logger module*. When unticked (*dip-switch 7 must be set to the ON position*) the 2214 event logger module will automatically send data to the 2214 software (*refer to page 7*).

(**Pull Data Interval* - if the 'automatically pull data' box has been ticked then the 'pull data interval' field will be available to adjust the time in which the 2214 software will pull information directly from the 2214 event logger module. This can be changed by using the up and down arrows (▲▼) next to the 'pull data interval' field and will make adjustments in multiples of 5 seconds).



- **Chime upon new call** - tick this box in order for the software to give a 'door chime' when a call is placed on the system.
- **Comm Port** - click on the drop down menu to select the COM port the 2214 event logger module is connected to.
- **Refresh List** - click on this button to refresh the available COM port list.
- **Set Time & Date** - click on this button to set the time and date of the 2214 event logger module with the time and date of the PC (*below shows the window that will appear when the set time & date button has been clicked*).



- **Check Time & Date** - click on this button to check the time and the date on the 2214 event logger module is synchronised with the time and date of the PC. *(below shows the window that will appear when the check time & date button has been clicked).*



- **Clear Device Memory** - click on this button to clear the 2214 event logger memory (**IMPORTANT NOTE: once the device memory has been erased it will not be possible to recover this information).**

- **Edit existing login user -**

- **User** - click on the drop down menu to select the existing user that you wish to edit.
- **Current Password** - enter the current user password to change from.
- **New Password** - enter the new password to change to.
- **Delete** - click on this button to delete the existing user.
- **Update** - click on this button to update the new user password.

- **Add new login user -**

- **User** - click on this field and enter the new user name.
- **Password** - enter the new user password.
- **Confirm Password** - confirm the new user password.
- **Administrator** - select this option to make the new user an administrator.
- **User** - select this option to make the new user an ordinary user.
- **Add** - click on this button to add the new user settings.

(IMPORTANT NOTE: only an administrator will have full access to edit and setup the system; an ordinary user will have limited access only and can only edit the display layout on the main view screen).

- **Device ID tabs** - clicking on the relevant device ID tab, the following information can be edited:
 - **Device Name** - click on this field and enter the new device name.
 - **Dat Path** - *click on the browse button to select the path where the 'dat' file is located.
 - **Entrance Names** - click on this field or fields to enter the name of the entrance or entrances on the system.

*(*IMPORTANT NOTE: the 'dat' file is a database file containing all the programming information for the apartments and entrances on the system, this information is the same information that is programmed into the entrance panel and/or the VX2210A/VX2210V concierge unit and is created using the 2x02PC program).*

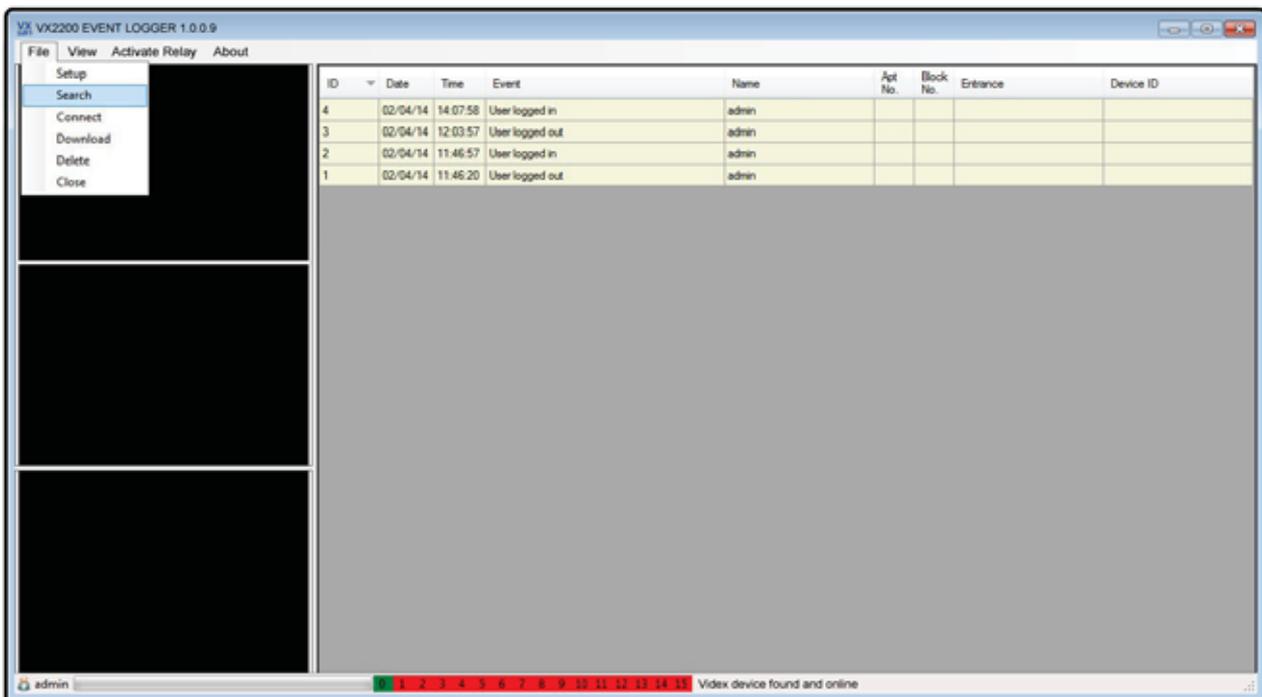
- **Automatically backup and delete records** - *tick this box in order to automatically backup and delete records stored in the database, if ticked the following information can be edited:
 - **When records reach** - click on this field and enter the number of records to reach before they are deleted from the database.
 - **Delete oldest** - click on this field and enter the number of records to actually delete once the set number of records has been reached.

(*IMPORTANT NOTE: if this option is ticked once the database reaches the designated number of records it will then delete the oldest designated number of records from the database; for example if the number of records to reach is set to 4000 and the delete oldest records is set to 1000 then once the database has reached 4000 events it will then delete the oldest 1000 events that were recorded after first creating a back up of the database).

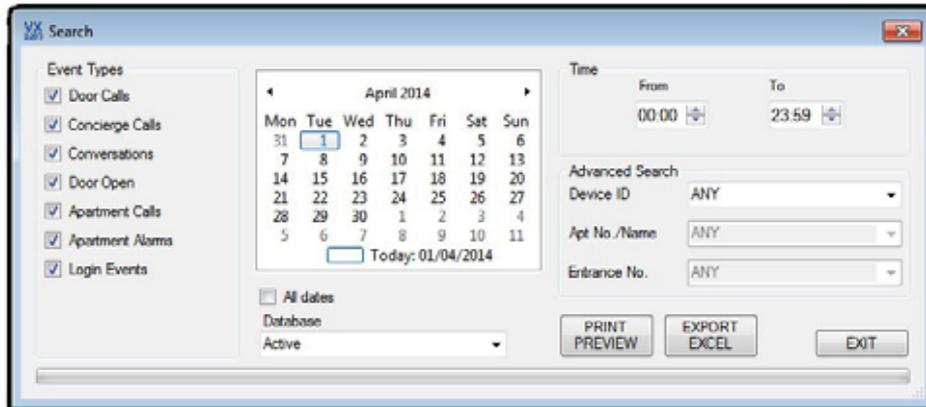
- **Save** - click on this button to save all details entered in the setup window.

Search Screen

The search option allows you to view, save and/or print recorded events stored in the database. To select this function from the main event logger screen first click on 'File' from the top menu and select 'Search' from the drop down list (as shown below).

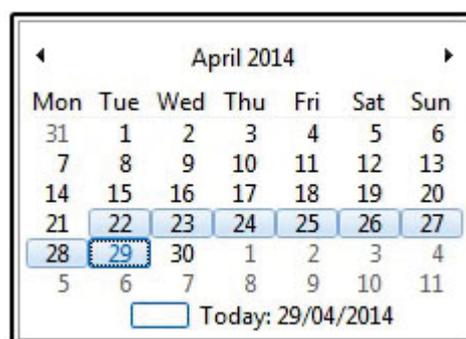


The event logger search window will appear (see page 15) where multiple options can be selected and viewed, saved (as an excel database file) or printed. On the search window the following information can be selected:



- **Event Types** - ticking the relevant box next to the event type will allow the user to view the information selected either as a print preview or saved as an excel file.
 - **Door Calls** - tick this box to view calls made from the entrance panel.
 - **Concierge Calls** - tick this box to view calls made from the VX2210A/VX2210V concierge unit.
 - **Conversations** - tick this box to view when a conversation took place.
 - **Door Open** - tick this box to view when the door has been activated.
 - **Apartment Calls** - tick this box to view calls made from an apartment.
 - **Apartment Alarms** - tick this box to view if alarm feature has been triggered from handset (*only available if a VX2210A/VX2210V concierge unit is used*).
 - **Login Events** - tick this box to view when a user has logged in and out of the event logger software.

It is possible to view events from a specific date or a set of dates, this can be done by clicking on the calendar and using the left and right arrows (◀▶) either side of the calendar month, to scroll through to the calendar month required and then highlighting the day or days within the month that you wish to view (*as shown below*).



- **All dates** - tick this box to see all dates recorded by the event logger in the active database or the selected backup database shown in the database drop down menu (*refer to Fig.5 and see below*).
- **Database** - click on the drop down menu to select the database file to view or save (*the active database is always the default database initially shown in the drop down menu, however all other databases that have been backed up will also be shown further down the drop down menu. If the 'automatically backup and delete records' box was ticked on the setup window, refer to page 12, then it will add the database filename onto the list in the drop down menu. See Fig.6*).

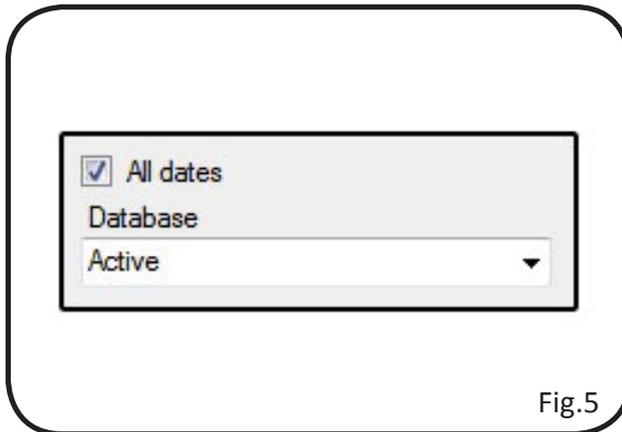


Fig.5

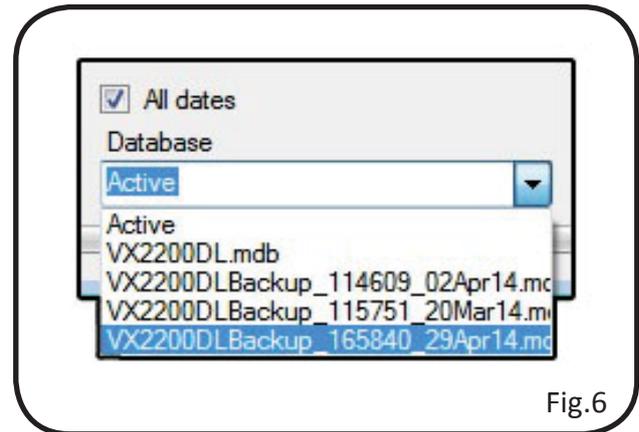


Fig.6

- **Time** - *this section allows you to select a specific time period for the dates previously selected to view or save:

- **From** - click on this field and enter the start of the time period you wish to view.
- **To** - click on this field and enter the end of the time period you wish to view.

(*IMPORTANT NOTE: the 'from' and 'to' time periods use a 24 hour clock; for example if the time period you wish to view is between 10:25am to 2:15pm then enter the 'from' time as 10:25 and the 'to' time as 14:15).

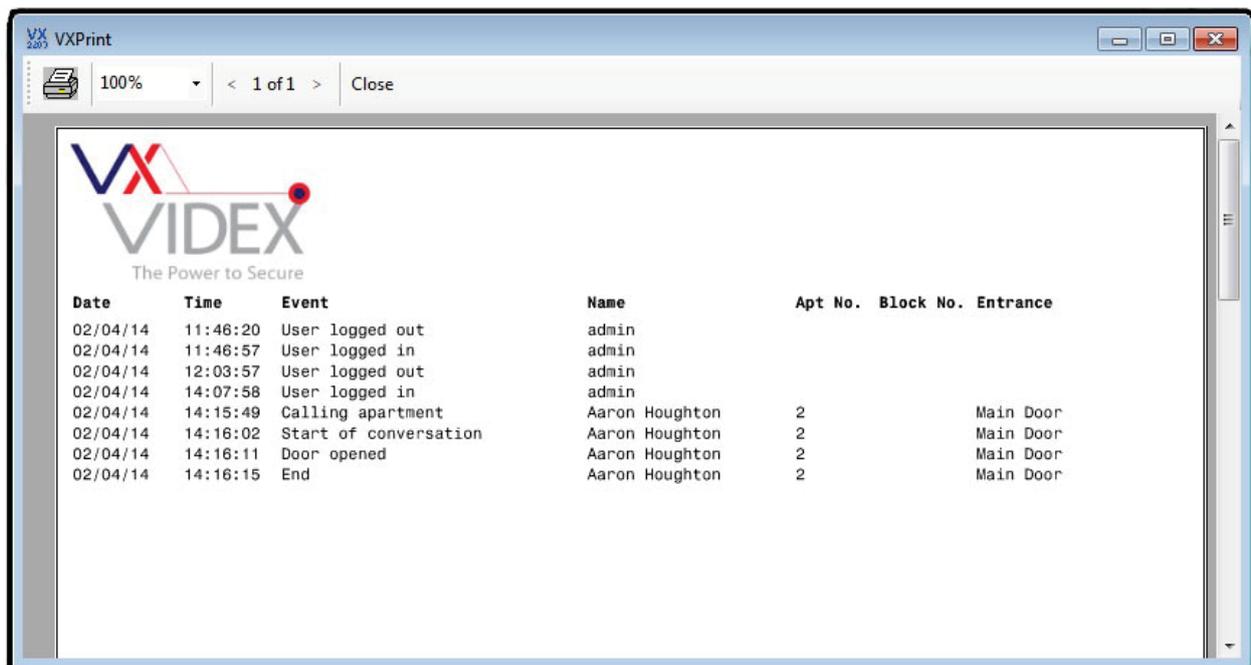
- **Advanced Search** - *this section allows you to select information from all 2214 devices (ANY) or a specific 2214 device (DEVICE0 - DEVICE15) to view or save:

- **Device ID** - click on this field and select the required device ID you wish to view or save information from (the default selection is ANY to view or save information from all devices that are stored).
- **Apt No./Name** - click on this field and select the required apartment number or name you wish to view or save (only available if a specific device number has been selected from the device ID drop down menu).
- **Entrance No.** - click on this field and select the required entrance number you wish to view or save (only available if a specific device number has been selected from the device ID drop down menu).

(*IMPORTANT NOTE: Please note that the default Device ID is set as 'ANY' and will show all events that have been recorded by all the devices that are stored, the 'Apt No/Name' and 'Entrance No.' fields will not be available. If a specific device number is selected from the device ID drop down menu then it will be possible to refine the search further and the 'Apt No/Name' and 'Entrance No.' fields will become available).

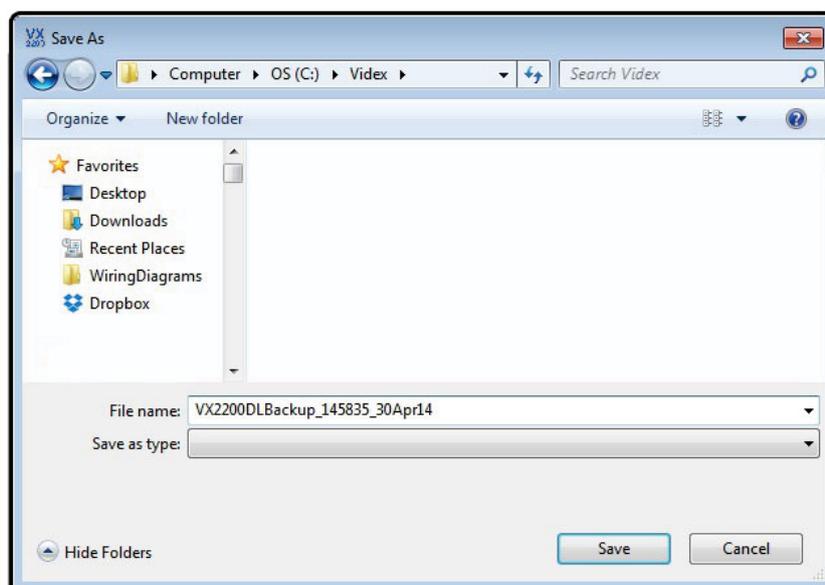
Once all the required selections and fields have been made and completed in the search window then the user can either see a print preview and then print off a copy or they can save the information as an excel database file and view at a later time.

- **Print Preview** - click on this button to view the information required based on the search options selected in the search window. (see example on page 17).



The print preview window will show all the information that was selected in the previous search window. It is also possible on this window to scroll through and view other pages (*if more than one page is created from the database file*) by using the left and right arrow (◀▶) buttons either side of the page number at the top of the print preview window. If a 'paper' copy is required then simply click on the printer icon in the top left corner of the window. A 'zoom' in and out drop down menu is also located at the top of the window if a close up look at the information is required. Clicking on the close button will exit out of the print preview window.

- **Export Excel** - click on this button to save the information required based on the search options selected in the search window. (*see example below*).

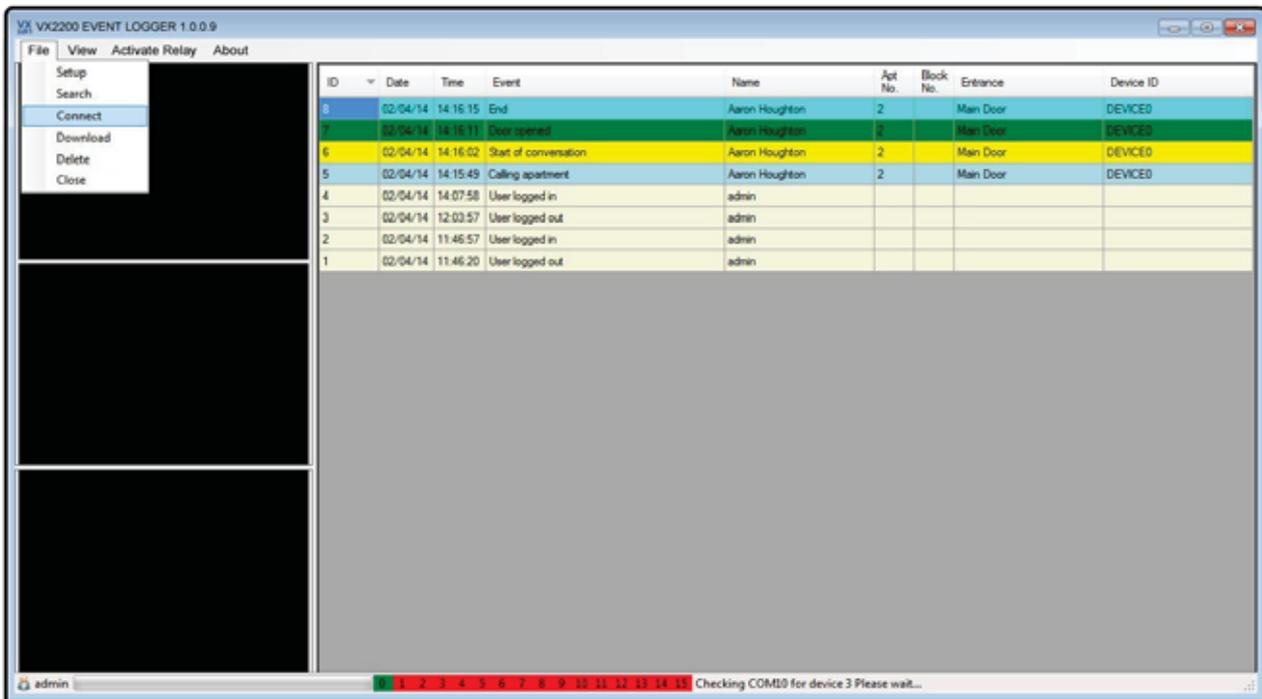


To save the information simply click on the Export Excel button, select a destination to save the file, create a file name (*this will automatically be saved as an excel database file .mdb*) and then press the save button.

To exit out of the search window simply click on the exit button.

Connect Function

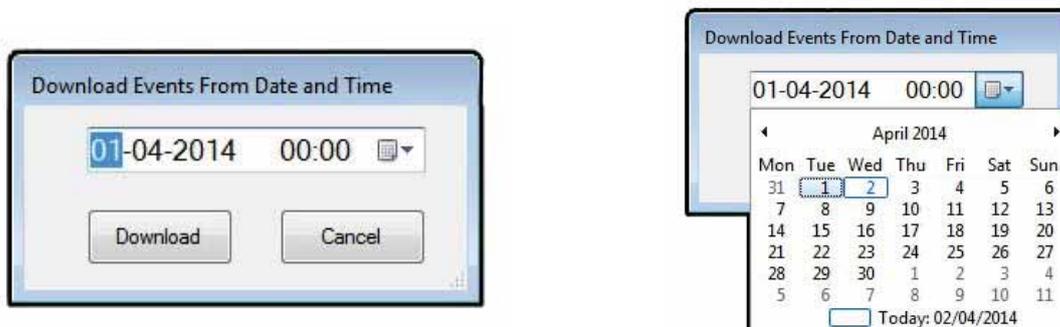
If for any reason the connection to the 2214 device or devices has been lost it is possible to re-connect to them using the connect function. To select this function from the main event logger screen first click on 'File' from the top menu and select 'Connect' from the drop down list (*as shown below*).



The event logger software will search through the COM ports to see if any devices are present and re-establish a connection. The progress of this search can be seen at the bottom of the main event logger window (*as shown above*).

Download Function

If required it is possible to download previous events from a specific date and time and view it on the real time display window. To select this function from the main event logger screen first click on 'File' from the top menu and select 'Download' from the drop down list. The date and time window will appear:



In the date and time field enter the required date and time for the events you wish to view or use the calendar icon to the right of the field to select the date.

- **Download** - click on the download button to download the events to be displayed.
- **Cancel** - click on the cancel button to exit out of this function.

Once the download button has been clicked the event logger software will download all the events that occurred from the date previously entered in the date and time window. The progress of the download can be seen at the bottom of the main event logger window and the events displayed above (as shown below).



Delete Function

The delete function allows you to delete the oldest records on the 2214 event logger module. To select this function from the main event logger screen first click on 'File' from the top menu and select 'Delete' from the drop down list. The delete records window will appear:



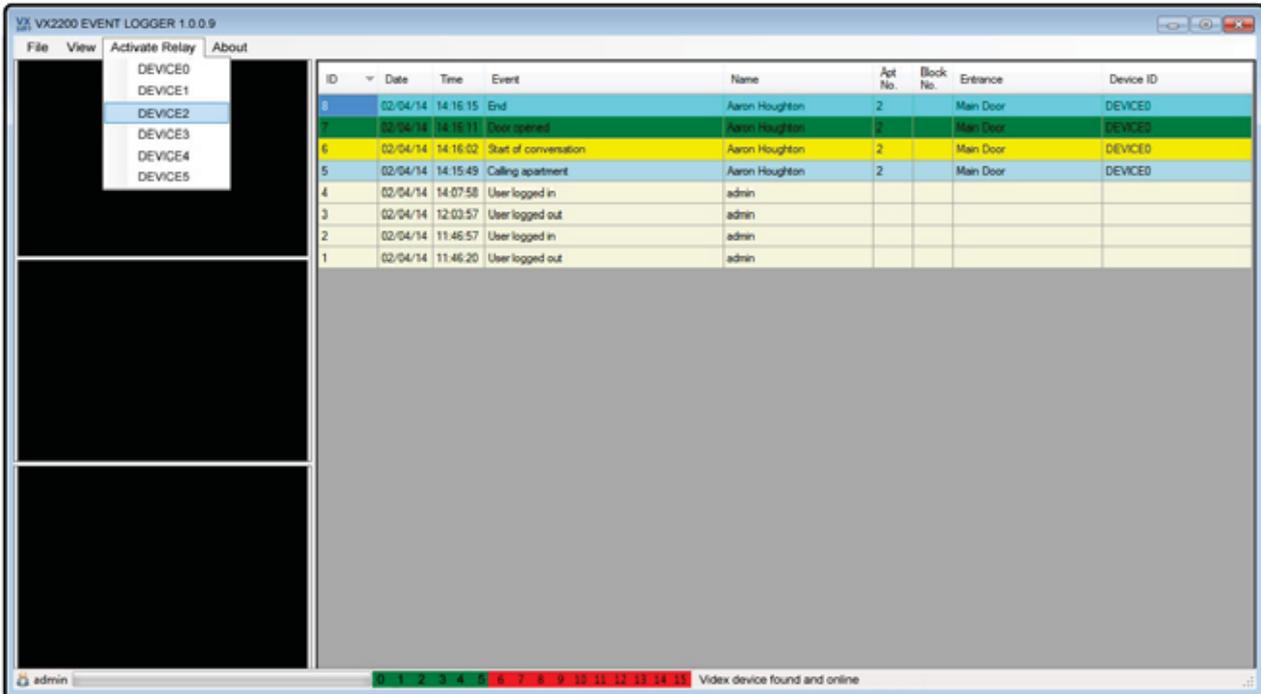
In the cancel oldest records field enter the number of records you wish to delete or use the up and down arrow buttons (▲▼) to the right of the field and scroll up or down to increase or decrease the number of records you wish to delete.

- **Delete** - click on the delete button to delete the records from the 2214 event logger module (a database backup will first be made).
- **Cancel** - click on the cancel button to exit out of this function.

To exit and close down the software click on 'File' from the top menu and select 'Close' from the drop down list.

Activate Relay Function

The activate relay function allows you to remotely activate the onboard relay on the 2214 event logger module. To select this function from the main event logger screen first click on 'Activate Relay' from the top menu. Next select the device name of the 2214 module you want to trigger from the drop down list as shown below.



The 2214 module selected will then trigger the onboard relay and the 'ok' window will appear (see below). Click on the 'ok' button to return back to the main event logger screen.



About

Clicking on 'About' from the top menu will display the current version of the event logger software being used (see below). Click on the software version window to return back to the main event logger screen.



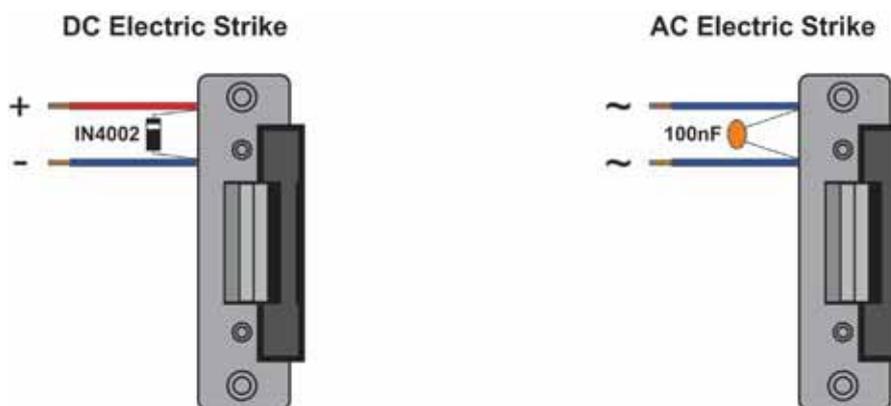
INSTALLATION

Initial Installation Checks

- Check that all components are free from damage before installing (*Do not proceed with the installation in the event of damage*).
- Keep all packaging away from children.
- Do not obstruct the ventilation openings or slots on any of the devices.
- All connections to mains voltages must be made to the current national standards (*IEE Wiring regulations*).
- Install an appropriate fused spur or isolation switch to isolate the mains.
- Isolate the mains before carrying out any maintenance work on the system.
- Avoid water ingress into the module.
- It is important to power the lock release from a dedicated fused supply to avoid a short in the entrance panel cabling powering down the lock release.
- All intercom and access control cables must be routed separately from the mains.

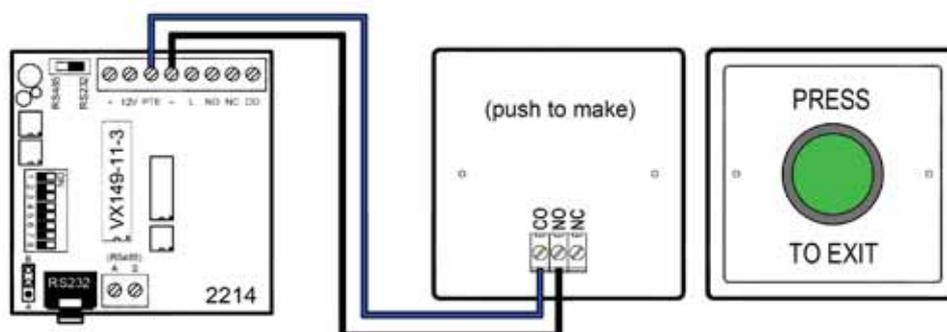
Lock Release Wiring and Back EMF Protection

When fitting an electric lock release to the onboard relay on the 2214 event logger module then back EMF protection will be required. If fitting an AC lock release then a 100nF ceramic disc capacitor must be fitted across the terminals on the lock. If fitting a DC lock release (*fail secure or fail safe*) then a 1N4002 diode must be fitted across the terminals on the lock.



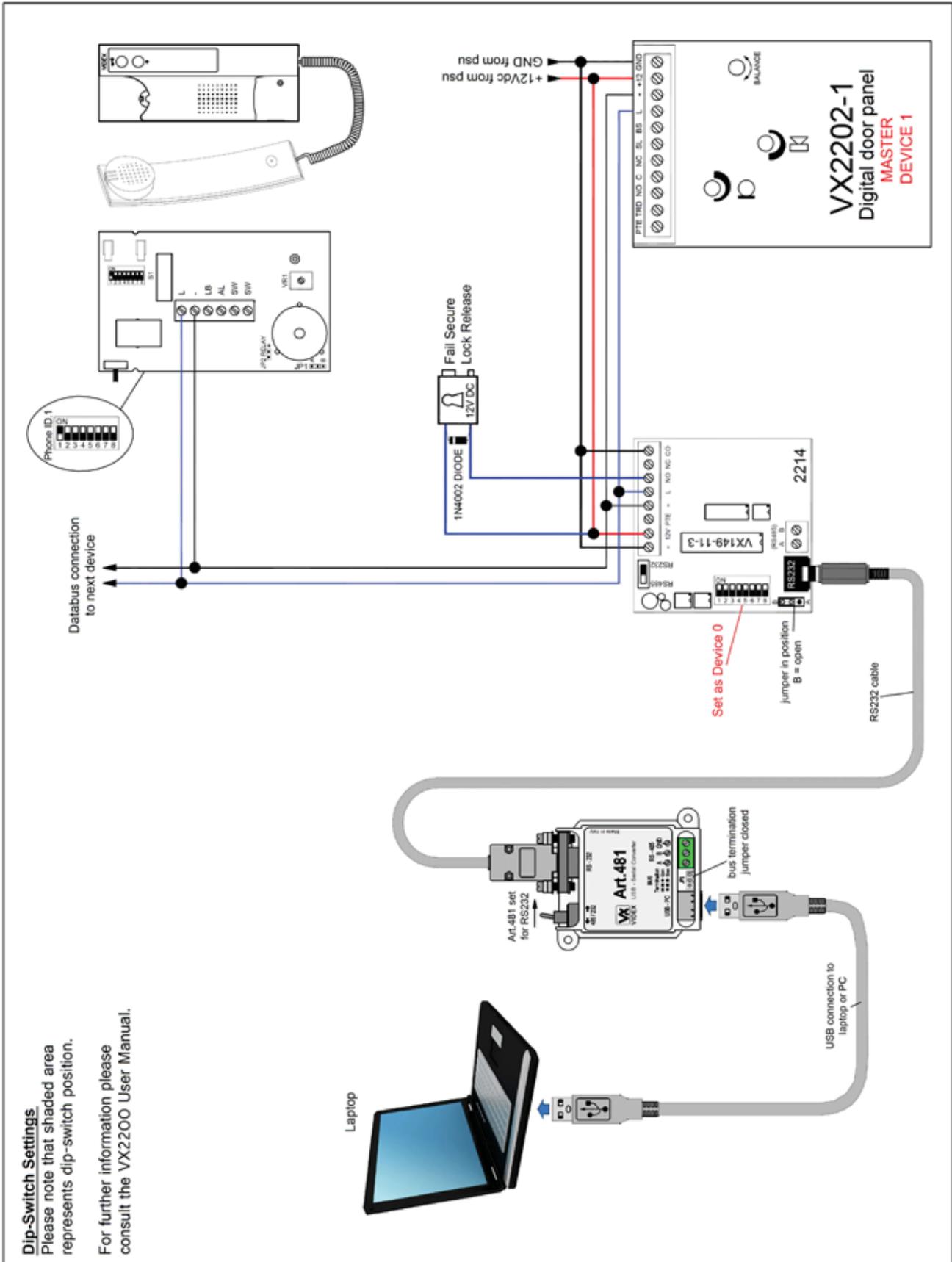
Push to Exit Connection

When fitting a push to exit button then it must be connected across the PTE and -(GND) inputs and must be configured as a 'push-to-make' button (*as shown below*).

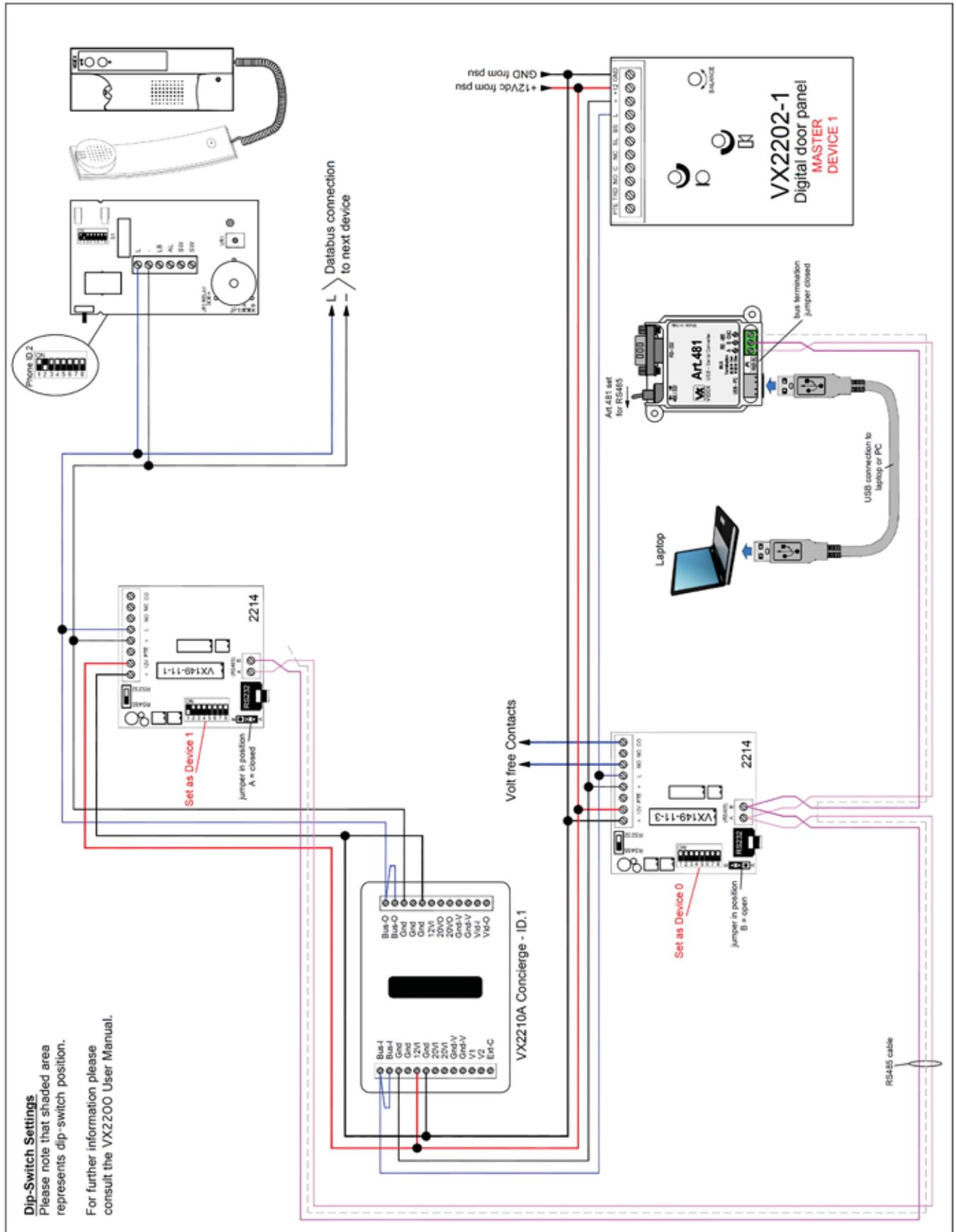


WIRING DIAGRAMS

RS232 Diagram



RS485 Diagram



TROUBLE SHOOTING

When trouble shooting on a large system it will be easier to break the system down to a manageable size. The simplest way to do this is to remove all but one device. Doing this you can confirm the door panel and control equipment are free from faults. Once this has been confirmed you can reconnect other devices back onto the databus in small groups (*floor by floor*) testing after each set to see if the fault has re-appeared.

Symptom	Tests / Checks to carry out
PC software not seeing 2214 event logger online (RS232 connection).	Check that the 2214 module has +12Vdc power.
	Check that the 2214 module switch is set to the RS232 position.
	Ensure that the RS232 jack is plugged in properly to the RS232 socket on the 2214 module.
	Check the Art.481. switch is set to the RS232 position.
	Check the jumper is in the A position (closed) on the 2214 module.
	Check the USB cable is firmly plugged in at both ends (PC and Art.481).
	Check the correct COM port has been selected from the 'setup' window (refer to page 12). This can also be checked via the PC's 'control panel' and 'device manager'. If the 2214 device is online then the device number will be highlighted in green at the bottom of the main event logger screen.
	Check the Art.481 USB driver has been installed correctly (refer to Videx application note AN0002 Art.481 Driver Installation).
PC software not seeing 2214 event logger online (RS485 connection).	Check that the 2214 module has +12Vdc power.
	Check that the 2214 module switch is set to the RS485 position.
	Ensure that the RS485 cable is connected properly on the Art.481 and on the 2214 module (if more than one 2214 module is connected also check the RS485 cable between 2214 modules). If necessary check for continuity of the RS485 cable between all the devices in line.
	Check the Art.481. switch is set to the RS485 position.
	Check the USB cable is firmly plugged in at both ends (PC and Art.481).
	Check the correct COM port has been selected from the 'setup' window (refer to page 12). This can also be checked via the PC's 'control panel' and 'device manager'. If the 2214 device is online then the device number will be highlighted in green at the bottom of the main event logger screen.
	Check the Art.481 USB driver has been installed correctly (refer to Videx application note AN0002 Art.481 Driver Installation).
	Check the JP1 bus termination jumper on the Art.481 is in the closed position.
	If more than one 2214 module is connected check that the jumper on all 2214 modules between the Art.481 and the last 2214 module in line is set to the B position (open) and that the same jumper on the last 2214 module in line is set to the A position (closed).
No event or events are displayed when an event occurs on the databus (call from the panel, call from the concierge, etc).	Check the L/- databus connections between all devices (this includes databus connections from the door panel, any 2214 modules connected on the databus, the databus connections to and from a VX2210A/VX2210V concierge unit all the way through to the phones). The databus voltage should be 7.5/8Vdc and should be present all the time. If necessary check the L/- databus connections for continuity throughout the system where a 2214 module is connected.

Additional Software Installation Note

If for any reason there are still problems with the communication between the 2214 event logger software and the 2214 event logger device then it may be necessary to uninstall both the Art.481 RS232/RS485 driver software and the 2214 event logger software and the reinstall them both again. Remember to keep the Art.481 RS232/RS485 converter disconnected from the laptop/PC until the driver has been installed first and always make sure that the Art.481 RS232/RS485 driver is installed before the 2214 event logger software.

QUICK SOFTWARE SETUP GUIDE

1. *First install the Art.481 RS232/RS485 driver following application note 'AN0002 Art.481 driver installation'.*
2. *Insert the 2214 event logger software CD into the PC's CD/DVD rom drive.*
3. *Select 'RUN' from the start menu.*
4. *Type in 'D:\setup' then press the 'OK' button.*
5. *Follow the on screen instructions to complete the setup.*
6. *Connect the USB cable between the PC and Art.481 and set it either RS232 or RS485 (depending on the type of connection required).*
7. *Once the 2214 software setup is complete 'double click' on the event logger desktop icon to launch the software.*

QUICK HARDWARE RESET & SETUP GUIDE

1. *Disconnect the 12Vdc power from the 2214 event logger module.*
2. *Link out terminals PTE and GND.*
3. *Reconnect the power back onto the 2214 event logger module.*
4. *Wait for the 2214 event logger to 'click' (approximately 25 seconds).*
5. *Remove the link between PTE and GND.*
6. *The 2214 event logger will be reset to factory default and ready to use.*
7. *Repeat for any other 2214 event logger modules on the system.*

SOFTWARE UPDATES

Date	Software Version	Revision
04/09/2014	1.0.0.9	Launch of 2214 Event Logger PC software.

FIRMWARE UPDATES

Date	Software Version	Revision
04/09/2014	VX149-11-3	Launch of 2214 Event Logger Module.



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