MULTIPATH-IP UPLOAD/DOWNLOAD

INTEGRITI SERIAL

Version 1.2

Before You Begin

A High speed broadband Internet connection is recommended for use of the Multipath-IP upload/ download feature. Using a mobile hotspot can introduce delays which may impact on the performance of the upload / download feature.

The latest version on the Multipath-IP client must be installed on the same machine as your panel software.

A com0com virtual COM port pair must be installed to link the Multipath-IP software and the panel software. Instructions on how to do this are at the end of this guide. For this guide we will be using ports 10 and 11.

Panel Setup

The Integriti must be firmware 4.3 or later.

The Integriti will automatically create the required Integriti Comms Task. If you have already had a local serial connection we reccommend you delete and default the Integriti Comms Task.

Login as installer. Got to the Comms Task Menu [7] -[3] -[1] Locate the Integriti Comms Task. Press [9] to idle it. Press OFF to delete the Comms Task. Press OK to confirm and the OK to default the Comms task. When prompted press [9] to complete the default.

Multipath-IP Client setup

Log into your Multipath-IP Client Software using your Username and Password.



Select the T4000 to use from the main grid of the Monitored STUs section.

Monitored STUs										
Drag a column header here to group by that column										
Status 🕶 Client Code Serial Number Model Version Bureau 🌱 Site Na				Bureau 👻	Site Name	Plan	GSM Signal Strength			
٩										
	V	56.0456	TM006503	T4000	3.7.0.2530	J.H Security	R&D Integriti Test - LH Controller	TC3DE - Class 3 Telstra Dua		
	V	56.0599	TM020505	T4000 Lite	0.0.0.2567	C.N Security	Chris T4000 (DESK - Rev_G)	TC4DE - Class 4 Telstra Dua		
۲	V	56.0654	TM000452	T4000	3.7.0.2530	Demonstration Bureau	Demo Account	TC3DE - Class 3 Telstra Dua		
	V	56.0545	TM999005	T4000	3.7.0.2530	J.H Security	Nemtek test (Dan's desk)	TC3D - Class 3 Telstra Dual		
	V	56.0588	TM014414	T4000 Lite	3.7.0.2530	E.M Security	Paradox SP6000 Keyswitch	TC3D - Class 3 Telstra Dual		
	V	56.0590	TM014416	T4000 Lite	3.7.0.2530	E.M Security	Hills R 128 Keyswitch	TC3D - Class 3 Telstra Dual		
	V	56.0572	TM999001	T4000	0.0.0.2540	E.M Security	Upload/Download Test	TC3D - Class 3 Telstra Dual		
	Α	88.8888	TM900179	T4000 Lite	0.0.0.2564	D.S Security	Ethernet Router Test	TC3DE - Class 3 Telstra Dua		
	0	56.0589	TM014415	T4000 Lite	3.7.0.2530	E.M Security	Bosch 6000 Keyswitch	TC3DES - Class 3 Telstra Du		
	0	56.0477	TM900180	T4000	0.0.0.2428	C.N Security	Chris T4000 (DESK - Rev_F)	TC3DE - Class 3 Telstra Dua		
	0	55.0547	714020500	T 4000 Like	2 7 0 2520	1024E6 Coqueity	Test Wall #2	TeetWorld?	[

Double Click on the T4000 to open the STU details page. Go to the Upload/Download tab. From the Preconfigured Settings dropbox select Integriti (RS232 only).

1 4		
🚽 Save Changes 🛭 🐳 Car	ncel Changes 🛛 🔑 Save & Write Programming	
TU Programming Upload /	Download Tests Remote Control STU Console Programming Preview	
Configuration for Over-The-A	iir unload /download of the connected alarm panel	
Select the panel type from th	e Preconfigured Settings list. If the client's panel type is not listed contact Multipath-IP support.	
Preconfigured Settings	Integriti Serial (RS232 Only)	Click for Online He
	Bosch Solution 6000 Dialler	
	Challenger V10 Serial	
) Customized Settings (Adv	(Challenger V8 Dialler	
4 Mode	Concept 2K Dialler	-
Mode	Concept 3/4K Serial	
A Modem Settings	Crow Runner Dialler	
CommsChannel	DSC Dialler	
CommsDuplex	Honeywell Vista	
CommsMethod	Integriti Serial (RS232 Only)	
HtxCarrier	NX/Hills Reliance Dialler	
MinimumPanelReceive	Paradox Dialler	
RxGain	Paradox EVO 192 Senal Paradox Legacy Dialler	
TxGain	Paradox SP/MG Serial	
Serial Settings		e
BaudRate	115200	
DataBits	8	
Parity	None	
	RS232 - Uart	
SerialInterface		

If you are using a UART for the upload download leave the Preconfigured settings as is.

If you are using PORT 0 for the upload download select Customized settings and change the serial interface to TTL.

Click **Save & Write Programming** to push the changes to the T4000 immediately. If you just save changes they will be written to the T4000 the next time it polls in.

Close the STU details dialog.

Initiating Upload Download

Right Click on the T4000 to use in the main grid of the Monitored STUs section. From the popup menu choose Upload / Download.

Monitored STUs												
Drag a column header here to group by that column												
	Status 🔻	Client Code	Serial Number	Model	Version	Bureau	Ŷ	Site Name			Plan	GSM Signal Strength
۴												
	V	56.0456	TM006503	T4000	3.7.0.2530	J.H Security		R&D Integriti Test - LH	Con	troller	TC3DE - Class 3 Telstra Dua	
	V	56.0599	TM020505	T4000 Lite	0.0.0.2568	C.N Security		Chris T4000 (DESK - Re	ev_G)	TC4DE - Class 4 Telstra Dua	
۲	 Image: A second s	56.0654	TM000452	T4000	3.7.0.2530	Demonstration Bureau J.H Sect Edit Configu E.M Sect View Messag		Demo Account		TC3DE - Class 3 Telstra Dua		
	 Image: A second s	56.0545	TM999005	T4000	3.7.0.2530			Edit Configuration View Messages		TC3D - Class 3 Telstra Dual		
	~	56.0588	TM014414	T4000 Lite	3.7.0.2530					TC3D - Class 3 Telstra Dual		
	 Image: A set of the set of the	56.0590	TM014416	T4000 Lite	3.7.0.2530	E.M Sea 🚇 🛛	Write Programming Send Command		TC3D - Class 3 Telstra Dual			
	 Image: A second s	56.0572	TM999001	T4000	0.0.0.2540	E.M Seci 🔳 Se			TC3D - Class 3 Telstra Dual			
	<u> </u>	88.8888	TM900179	T4000 Lite	0.0.0.2564	D.S Sec 📖 🛛 U	Jp/Downlo	ad			TC3DE - Class 3 Telstra Dua	
	0	56.0589	TM014415	T4000 Lite	3.7.0.2530	E.M Seci 🖒 🛛 Fi	irmware U	pdate			TC3DES - Class 3 Telstra Du	
	0	56.0477	TM900180	T4000	0.0.0.2428	C.N Seci 🔦 R	Reset Up/Do	ownload Statistics	1)	TC3DE - Class 3 Telstra Dua	
	0	56.0647	TM020508	T4000 Lite	3.7.0.2530	123456 St	tart Review	v	•		TestWorld3	
	0	56.0179	TM003010	T4000 Lite	0.0.0.2429	M.V Test	uspend Mo	onitoring	5	t - DO NOT CHANGE	TC3DES - Class 3 Telstra Du	
8							Unenrol					

You will be prompted to select a COM port. Select one of the com0com virtual COM port pair ports and click Connect. For consistency we recommend using the lower port of the COM port pair.

No Select Com Port	
Select the VIRTUAL COM port of you will connect yo	which is paired to the com port to which our management software.
Virtual COM Port	COM10 -
	CONNECT Cancel

The Upload Download dialog will open and contact the T4000 starting the session. Once the phrase **Please start your Panel Software Connection** has been displayed you can open your panel software and initiate the connection to the panel.

🚾 Upload / Download D	emo Account : COM10			
Contacting T4000 Open Com Port 'COM10' T4000 communication est Please start your Panel So T4000 Direct Connection Upload / Download in ses	ablished oftware Connection Ready. ssion			*
Com Port Status	Upload Data Transfer Tx: 0 (0.000Bytes/s)	I / Download in session Rx: 1 (0.132Bytes/s)	Restart	Close

Panel Software Setup and Connection

Your integriti software must be version 4.3 or later to have direct serial connection options.

Open the Integriti software and right click on your site. Select Connect (Manual).

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		Status	Visible					
				2				
7	Edit							
	Edit In Dashbo	ard						
×	Delete							
	Export							
R	Manage Licens	e Keys						
	Browse Controller Files							
	Move Review F	ointer						
	Human Readal	ble Programming Su	mmary					
4	Connect (Auto)						
4	Connect (Man	ual)						
8	Disconnect							
\$	Resynchronize	(Server -> Controller	r)					
\$	Resynchronize	(Controller -> Server	r)					
\$	Upload Macros	5						
•	LAN			•				
Ð	Add New			×				
		 Edit Edit In Dashbo Delete Export Manage Licens Browse Contro Move Review F Human Readal Connect (Man Connect (Man Disconnect Resynchronize Resynchronize Upload Macros LAN Add New 	Status	Status Visible Edit Edit Edit In Dashboard Delete Export Export Manage License Keys Browse Controller Files Move Review Pointer Human Readable Programming Summary Connect (Manual) Connect (Manual) Disconnect Resynchronize (Server -> Controller) Resynchronize (Controller -> Server) Upload Macros LAN Add New				

Go to the Dialup/Serial Tab. Set the COM Port to other half of the Virtual COM Port Pair, e.g. COM11.

Set the Type to Serial Connection and the Data Synchronization Policy as required.

COM Port	COM11 -							
Telephone Number								
Initialization String]						
Туре	Serial Connection -	Hang U						
Authentication								
User Name	Installer	PIN ••						
Data Synchronization	Policy							
Prefer Controller Cha	nges							
Differences between database will overwrit This mode is suitable f controller and you wis	Differences between the Software and Controller databases are merged, however records from the Controller database will overwrite records in the Software database. This mode is suitable for situations where the only copy of the system programming is currently held within the controller and you wish to retrieve it.							
Connection Status								

Click the Connect button to initialize the connection.

Verifying and closing Upload Download

Once the Panel software initiates its connection data will start to pass through the T4000. In the upload download window the Data Transfer Tx and Rx values will start to increase.

💑 Upload / Download Demo Account : COM10	- • •
Contacting T4000 Open Com Port 'COM10' T4000 communication established Please start your Panel Software Connection T4000 Direct Connection Ready. Upload / Download in session	*
Upload / Download in session	
Com Port Status Disconnected Tx: 1148 (96.943Bytes/s) Rx: 1761 (152.613Bytes/s)	Restart Close

If you do not see any change in these values check the configuration of you Multipath-IP client and your Panel software.

At the end of your upload download session disconnect your panel software as normal. Once the panel software has disconnected close the Multipath-IP upload download window.

com0com Setup

Open the com0com **setupg.exe** as an administrator. By default this will be installed in C:\Program Files (x86)\com0com

Setup for com0com - 0 💌 Virtual Port Pair 0 COM10 COM11 . CNCA0 use Ports class use Ports class emulate baud rate 👿 🔽 emulate baud rate enable buffer overrun 👿 🔽 enable buffer overrun enable plug-in mode enable plug-in mode enable exclusive mode enable exclusive mode enable hidden mode 📃 📃 enable hidden mode RX 🖶 RX 🖝 TX 🖝 - TX DTR 😐 DTR DSR 🖝 DSR DCD 🗢 DCD RTS RTS 🖝 CTS 🖝 CTS RI 📢 •>• RI OUT1 💻 OUT1 OUT2 😐 OUT2 OPEN . OPEN ON Add Pair Remove Reset Apply

Click on Add Pair to create a new virtual COM port pair.

Once the pair is added they must be renamed as COM numbers. We recommend using COM10 and COM11, if these ports are already in use you can use different numbers.

Emulate Baud Rate and Enable Buffer Overrun must be enabled on both ports.

After these changes have been made click Apply. Once complete close the com0com setup.