MULTIPATH-IP UPLOAD/DOWNLOAD

CHALLENGER V8 DIALLER

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.

A 300 baud Windows modem must be installed on one half of the virtual COM port pair. Instructions on how to do this are at the end of this guide. For consistency we recommend installing the modem on the higher port number.

Panel Setup

The Challenger V8 must be programmed for remote access via telephone line. Below are basic settings that must be enabled. Please consult the Challenger V8 installation manual for more detailed information.

In the Communications Options set the Number of calls before answer to 1. Set the Number of Rings to 2. We recommend that answering machine defeat is turned off.

A Security Password must be programmed in the panel. Make a note of this as it will be required by the Titan software.

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.

_													
M	Monitored STUs												
	Drag a column header here to group by that column												
	rag a colum												
	Status 🔻	Client Code	Serial Number	Model	Version	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					
	A	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	56.0647	TM020508	T4000 Lite	3 7 0 2530	123456 Security	Test Wall #2	TestWorld3					

Double Click on the T4000 to open the STU details page. Go to the Upload/Download tab. From the Preconfigured Settings dropbox select Challenger V8 Dialler.

I Same Changes Are Ca	and Changes III Source & Write Decomposition								
🔚 Save Changes 🖕 Cancel Changes 🥥 Save & Write Programming									
TU Programming Upload /	/ Download Tests Remote Control STU Console Programming Preview								
Configuration for Over-The-A	Air upload/download of the connected alam panel.								
-									
elect the panel type from th	ne Preconfigured Settings list. If the client's panel type is not listed contact Multipath-IP support.								
	Click for Online He								
Preconfigured Settings	Challenger V8 Dialler Ulick Tor Unline He								
	Bosch Solution 6000 Dialler								
0	Challenger V10 Serial								
Customized Settings (Adv	Concept 28 Dialler								
⊿ Mode	Concept 2K Dialier								
Mode	Concept 3/4K Serial								
▲ Modern Settings	Crow Runner Dialler								
CommsChannel	DSC Dialler Honeywell Vista								
CommsDuplex	ICP-488/Solution 16								
CommsMethod	Integriti Serial (RS232 Only)								
HbxCarrier	NX/Hills Reliance Dialler								
Minimum Panel Receive	Paradox Dialler Paradox EVO 192 Serial								
RxGain	Paradox Everacy Dialer								
TxGain	Paradox SP/MG Serial								
⊿ Serial Settings									
BaudRate	300								
DataBits	8								
	None								
Parity									
Parity SerialInterface	RS232 - Uart								

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 pop-up menu choose Upload / Download.

	Status 👻	Client Code	Serial Number	Model	Version	Bureau	٩	Site Name		Plan	GSM Signal Strengt
٩											
	V	56.0456	TM006503	T4000	3.7.0.2530	J.H Security		R&D Integriti Test - LH Co	ntroller	TC3DE - Class 3 Telstra Dua	
	V	56.0599	TM020505	T4000 Lite	0.0.0.2568	C.N Security		Chris T4000 (DESK - Rev_	G)	TC4DE - Class 4 Telstra Dua	
۲	 Image: A start of the start of	56.0654	TM000452	T4000	3.7.0.2530	Demonstration		Demo Account	1	TC3DE - Class 3 Telstra Dua	
	V	56.0545	TM999005	T4000	3.7.0.2530	J.H Sect	Edit Config			TC3D - Class 3 Telstra Dual	
	V	56.0588	TM014414	T4000 Lite	3.7.0.2530	E.M Sea	View Messa	2	1	TC3D - Class 3 Telstra Dual	
	V	56.0590	TM014416	T4000 Lite	3.7.0.2530	E.M Sea 😃	Write Progr	amming		TC3D - Class 3 Telstra Dual	
	 Image: A second s	56.0572	TM999001	T4000	0.0.0.2540	E.M Sea 📟	Send Comr	mand		TC3D - Class 3 Telstra Dual	
	A	88.8888	TM900179	T4000 Lite	0.0.0.2564	D.S Sec 🎫	Up/Downlo	ad		TC3DE - Class 3 Telstra Dua	
	0	56.0589	TM014415	T4000 Lite	3.7.0.2530	E.M Sea 🖒	Firmware U	pdate		TC3DES - Class 3 Telstra Du	
	0	56.0477	TM900180	T4000	0.0.0.2428	C.N Sea 🔦	Reset Up/D	ownload Statistics	5)	TC3DE - Class 3 Telstra Dua	
	0	56.0647	TM020508	T4000 Lite	3.7.0.2530	123456	Start Review	v 🕨		TestWorld3	
	0	56.0179	TM003010	T4000 Lite	0.0.0.2429	M.V Test	Suspend M	anitarian	st - DO NOT CHANGE	TC3DES - Class 3 Telstra Du	

You will be prompted to select a COM port. Select one of the com0com virtual COM port pair ports and click Connect. This will be the COM port that **does not** have the modem installed on it.

No Select Com Port	
	nich is paired to the com port to which r 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 St T4000 Modem Communic	oftware Connection			*
				Ŧ
	T4000 Mod	em Communication Ready.		
Com Port Status Disconnected	Data Transfer Tx: 0 (0.000Bytes/s)	Rx: 0 (0.000Bytes/s)	Restart	Close

Panel Software Setup and Connection	
Deactivate your System in the Titan Software if it is active and	flag Zero Challenger Address
System 🕞 📇 🖸 🛱 📿	
System	
System No 99	
System No 99	
Description Challenger 8 Dialler	
Poll Rate 200 ms Heartbeat Time	eout 100 Seconds
Poll Timeout 30 Seconds	
🔽 Ignore Challenger events 🔽 Zero Cha	III Address
C Active System Enable Au	uto Answer
Default System Secure St	tream Pass-through Send
Dial Options	
Redial Timeout Between Calls 14 Secon	ds
Number of Rings 3	

In the Admin>Ports menu, set the Comms Port to the applicable Port e.g COM11. Flag 300 in the Baud Rate field, set the Comms Mode to Via Modem and set the Modem Init String to not used as it is ignored by the T4000. Click Save and close this Window.

Ports	re-1 🚽	l 🖪 😫 🖉 1		▶ ?
Ports	<u>~</u>			
Port	1			
Description				
Comms Port	COM 11 💌			
Baud Rate				
300 300	C 1200	C 4800	C 19200	C 57600
C 600	C 2400	9600	C 38400	
Comms Mo	de			
C None		Via Modem	C UDP	/IP
C Direct		C Card Program	mer 🔿 USB	

In the Admin > Challenger menu ensure the Port is set to the same Port number you are using for this Modem Setup. E.g Port 1 displayed below is pointing to the Port 1 that was created as pictured above. Be sure to check the Security Password is correct, you have set a number in the Phone Number field, you have set the Mode to Multi-Ring and all other applicable fields such as Description have been filled in. Click Save then close this Window.

Multipath-IP Upload/Download Challenger V8 Dialler

Challenger		5 😫 🖉 👘		?
Туре	Challenger V8	▼ □ IUN	l installed	
Challenger No	1	Security Pa	ssword 000000000	5
Description				
Location				
Phone	12345678			
Route		Port 1	Address 1	
C Direct	Call Back UDP/IP USB	Cycle C Once C Hourly	C 4 Hourly C Wee C Daily	kly
Connect Date		Time	Duration	
Secure Stream	n Pass-throug	h		

At this point you can now flag Active System. Once the Modem Status shows Modem OK click Dial to start the connection to the panel.

System no	
Description Challenger 8 Dialler	
Poll Rate 200 ms Heartbeat Timeout 100 Seconds	
Poll Timeout 30 Seconds	
✓ Ignore Challenger events ✓ Zero Chall Address	
Active System Enable Auto Answer	
Default System SecureStream Pass-through Send	
Dial Options Redial Timeout Between Calls 14 Seconds Number of Rings 2 Number Of Calls 1 Answering Machine Defeat Modem Status MODEM OK	
Diel Une Un State Secure	
Dial Hang-Up Auto Answer	

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 D	emo Account : COM10		- • •
Contacting T4000 Open Com Port 'COM10' T4000 communication est Please start your Panel So T4000 Modem Communic T4000 is dialling the pane Upload / Download in set	oftware Connection ation Ready.		
	Upload	/ Download in session	
Com Port Status Connected	Data Transfer Tx: 25 (0.253Bytes/s)	Rx: 187 (1.893Bytes/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

■ Virtual Port Pair 0	COM10	COM11
E CNCA0	use Ports class	🔲 🔲 use Ports class
	emulate baud rate	🔽 🗹 emulate baud rate
	enable buffer overrun	📝 📝 enable buffer overrun
	enable plug-in mode	
	enable exclusive mode	enable exclusive mode
	enable hidden mode	enable hidden mode
	RX 🖶	
	TX ·	X TX
	DTR 😑	
	DSR 🖝	
	DCD 👄	
	RTS 😑	RTS
	CTS 🖶	
	RI 📢 🗕 🚽	
	OUT1 😐	OUT1
	OUT2 🛑	OUT2
	OPEN 😐	OPEN
		ON

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.

Windows Modem Setup

Open Windows Phone and Modem setup. This is accessible from Control Panel or searching from the start menu.

🥨 Phone and Modem	x
Dialing Rules Modems Advanced	_
The following modems are installed:	
Modem Attached To	
Remove Properties	
OK Cancel Apply	

When prompted tick **Don't detect my modem; I will select it from a list.** Then click Next.

Windows will now try to detect your modem. Before continuing, you should:
 If the modem is attached to your computer, make sure it is turned on.
Quit any programs that may be using the modem.
Click Next when you are ready to continue.
✓ Don't detect my modem; I will select it from a list.



From the list of Models select the 300 baud Standard modem. Then click Next.

Install New Modern				
Select the manufacturer an an installation disk, click H	nd model of your modem. If your modem is not listed, or if you hav ave Disk.			
Manufacturer (Standard Modem Types)	Models Communications cable between two computers Parallel cable between two computers Standard 300 bps Modem Standard 1200 bps Modem			
This driver is digitally signed.	Have Disk			

Select which port to install the modem on. This must be one of the com0com virtual COM port pair created earlier. For consistency we recommend using the higher port number for the modem.

to install it?		
to install it?		
to install it?		

Click the next button to install the modem and click Finish. Your new modem will now be displayed in the modem list.