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Solution 2000 & 3000 Update Firmware version on B450-M

Modified on: Wed, 31 Jul, 2019 at 9:44 AM

Currently the latest Firmware version for B450-M is 3.05.005. (see attachment)

Please follow below steps on updating the Firmware version on B450-M.

· Set up USB configuration

Notice!

Male A to Male A cable required USB configuration requires a Male A to Male A cable. Use the USB connection for configuration or diagnostics only. Disconnect the cable when not in use.

Getting the USB driver and Tera Term

Please download the required files from below web page:

http://resource.boschsecurity.com/software/B450_Software_Driver_TeraTerm_all_13318644491.zip (http://resource.boschsecurity.com/software/B450_Software_Driver_TeraTerm_all_13318644491.zip)

Go to the Software Downloads tab. Click the link for the driver and Tera Term. Save the file to the computer.

Get started

Installing the RBUS1CP.inf file USB driver

1. Install the RBUS1CP.inf file onto the connected computer.

2. Open Device Manager to make sure that the INF file installed and shows in the Ports (COMM & LPT) section.



Installing Tera Term

1. On the connected computer, navigate to the Tera Term file from the zip downloaded from the website.

2. Follow the prompts in the installation wizard until the Select Components page of the wizard. Select Compact installation from the drop-down list.

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ietup - Tera Term	
Select Components Which components should be installed?	J.
Select the components you want to install; clear the components you do no install. Click Next when you are ready to continue.	ot want to
Standard installation	*
Standard installation	
Compact installation	
Custom installation	water and the second second
✓ LogMeTT & TTLEdit	2.6 MB
TeraTerm Menu	0.2 MB
TTProxy	0.3 MB
Collector	1.6 MB
Additional Plugins	0.3 MB
TTXResizeMenu (VT-Window size can be changed from preset)	0.1 MB 🞽
Current selection requires at least 9.6 MB of disk space.	14
< Back Next >	Cancel

3. Follow the remaining prompts.

Configuring the Tera Term interface

1. Open Tera Term. The Tera Term window opens.

🧕 COM8:115200baud - Tera Term VT	- • ×
File Edit Setup Control Window Help	
Terminal	^
Window	
Font	
Keyboard	
Serial port	
SSH	
SSH Authentication	
SSH Forwarding	
SSH KeyGenerator	
TCP/IP	
General	
Additional settings	
Save setup	
Restore setup	
Load key map	
	+

2. From the menu bar, select Setup > Terminal. The Terminal Setup window opens.

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Tera Term: Terminal setup	×
Terminal size 148 × 48 V Term size = win size	New-line Receive: LF • OK Transmit: CR • Cancel
Auto window resize Terminal ID: VT100 Answerback:	Help Auto switch (VT<->TEK)
Coding (receive) UTF-8 👻	Coding (transmit) UTF-8 🔻
locale: american	CodePage: 65001

- 3. In the New-line section, select LF from the Receive drop-down list. Click OK.
- 4. From the menu bar, select Setup > Save Setup. A dialog box appears.

5. Click Save to overwrite the existing TERATERM.INI file. Tera Term stores the new setting for future Tera Term sessions.

Logging into the module

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- 1. Remove the B450-M from the control panel and remove the cell card from the B450-M.
- 2. Connect the USB cable to the module.
- 3. Connect the USB cable to the computer.
- 4. Open Tera Term. The New connection dialog box opens.

🧶 Tera Term - [disconnected] VT		23
File Edit Setup Control Window K	New connection	â
© TCF	YIP Host: myhost.example.com Image: History Image: History Service: Telnet Image: SSH SSH version: Image: SSH SSH version: Image: SSH SSH version: Image: SSH Protocol: UNSPEC *	
• Ser	ial Port: COM7: B450 Config Interface (COM7) - OK Cancel Help	

- 6. Click OK. Tera Term connects.
- 7. Press [Enter]. A windows appears with a request to enter the passcode.

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8. Enter the password (default is B450) and press [Enter]. The USB main page opens.

Notice!

Log in troubleshooting

The default password is case-sensitive. Verify the password for case-sensitivity when entering.

The user interface allows three attempts to enter the password correctly. After three failed attempts, Tera Term shows a Too many attempts error message, and is idle for 30 seconds.

Module home page

The module home page in Tera Term opens when you do one of the following:

– Log in.

- Press [Enter] before you enter a number for a menu (for example, 3 for Basic Configuration).

– Exit a menu.

The home page includes four important sections.

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3450 Plug-In Communicator Interface 3443 Cellular Communicator	-	
** Status *** Link Status: OK Bus Status: On Line Module Status: Normal Tanper: Yes		
Hodess Level: Restricted		2
1 = Status (Starts With Basic Status) 2 = Change Passcode 3 = Basic Configuration 4 = Advanced Configuration 5 = Reset To Factory Defaults 6 = Diagnostic Log 7 = Firmware Update 8 = Exit		

• Firmware updates

You can send firmware updates through the USB interface. Use Tera Term. Update to the most recent version on the module web page.

Sending a firmware update

Notce!

Please set the address to be 0 on B450-M.

1. Make sure that the computer and the module are connected and can communicate.

- 2. From Windows, start Tera Term.
- 3. Log into the USB interface. The B450 USB login window appears, listing the current software version and build.
- 4. Select option 7 and press [Enter].

Notice!

Once you press [Enter], the module begins a 90-second timer as it waits for the firmware File>Transfer>XMODEM>Send process to begin. If the transfer process takes longer than 90 second to locate the file and begin the send process, the menu times out, and you must begin the update process again.

5. From the Tera Term main menu, select File>Transfer>XMODEM>Send.

Solution 2000 & 3000 Update Firmware version on B450-M : Bosch Security and Safety Systems Australia & NZ 17/12/2019 _ 🗆 🗙 COM7:9600baud - Tera Term VT File Edit Setup Control Window KanjiCode Help ator New connection... Alt+N Alt+D Duplicate session Cygwin connection Alt+G cation Log... Comment to Log... View Log Show Log dialog... Send file ... Transfer Kermit F . ۲ SSH SCP... XMODEM Receive... ۲ YMODEM Change directory... . Send... Replay Log... ZMODEM . **B-Plus** ۲ TTY Record Quick-VAN Þ TTY Replay Print... Alt+P Disconnect Alt+I Exit Alt+Q Firmware Update:

6. In the XMODEM Send window, navigate to the folder location and select the firmware update software you downloaded. The file ends in *.kfw extension.

🖳 COM8:115200baud - Tera Term VT		
File Edit Setu	p Control Window Help	
****		A
B450 Plug-In B443 Cellul∉ ★★★ Status	Communicator Interface Tera Term: XMODEM Send	
Link Statu: Bus Status	Look in: 🌗 teraterm 👻	G 🖻 🖻 🎞 T
Module Stat Tamper:	Name	Date modified
HCCESS Levi	🍌 lang	4/1/2014 9:33 AM
*** Main Mei 1 = Statu:	Jugin Jugin	4/1/2014 9:33 AM
2 = Change 3 = Basic	I theme	2/4/2014 10:57 AM
4 = Advance	B450_3.02.006.kfw	8/26/2014 9:27 AM
5 = Reset 6 = Diagne	deipassw.tti	3/8/2014 9:04 PM
7 = Firmw 8 = Exit	•	
	File name: B450_3.02.006.kfw	Open
Select Opti	Files of type: All(**)	✓ Cancel
		Help
	Option	
	Ochecksum OCRC O1K	

7. Click Open to start the firmware update. The Tera Term: XMODEM Send dialog box opens and indicates the update process.



8. When the file transfer completes, the Tera Term: XMODEM Send dialog box closes. A Tera Term window show a message about updating to firmware version "x.xx.xxx", and the module automatically reboots.

Notice! Do not power off the module during this phase. Powering off might cause permanent damage to the B450-M.

- 9. Set the device address as required for the configuration in use.
- 10. Reconnect the B450-M to the control panel.
- 11. Close the Tera Term session, and relaunch Tera Term.
- 12. Log into Tera Term to reestablish the connection. Communication between the control panel and module restores.