

3M™ Wireless Drive-Thru System Model G5 Technical Bulletin # 164



3M™ Wireless Communication System Model XT-1 Basestation Software Upgrade

Overview:

In the past you have conducted XT-1 Basestation software upgrades using 3M's Software Update tool and a Code file with an expiration date associated. Unfortunately, beginning January 1, 2016 due to many reasons, we have lost the ability to create Code Files with new Expiration Date.

To upgrade a XT-1 basestation using code file with an expiration date older than January 1, 2016, we recommend executing one of the following two options:

1. Back date your laptop
2. Use a batch file

This document illustrates and describes these two options.

NOTE: We do not anticipate any new XT-1 Basestation software upgrades, but in the event we do, 3M will provide you all files required. At such a time, you MUST employ the second option to conduct a successful upgrade.

The illustrations used are related to Windows 7 operating system. Consult your computer or laptop manual if you have a different operating system.

Procedures:

Back date your laptop and continue with the upgrade

1. Left mouse click on the Date field on the bottom right hand corner of your computer's task bar.
2. Click on the "Change date and time settings..." link
3. Click on the Change date and time button
4. Select a new date – say, Dec 1, 2015 and click on the OK button.
5. Now proceed with conducting Basestation upgrade (as you would normally do) using 3M's Software Upgrade tool and the code file with January, 2016 expiration date.

1. Taskbar: The system tray shows the date and time as 2:38 PM on 2/1/2016, circled in red.

2. Date and Time window: A pop-up window shows the current date and time (2:15:47 PM) and a "Change date and time settings..." link circled in red.

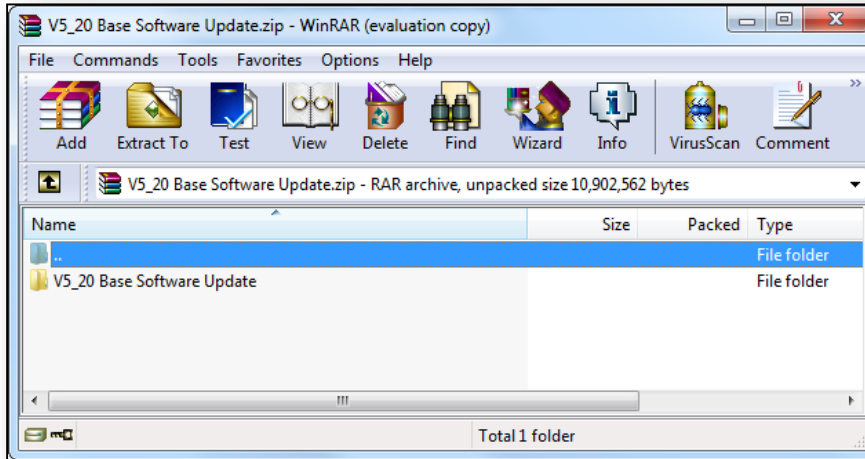
3. Date and Time Settings window: The settings window shows the date set to December 1, 2015, and the "OK" button circled in red.

4. Final Date and Time window: The window shows the date and time updated to 2:16:58 PM on Monday, February 01, 2016, with the "Change date and time..." button circled in red.

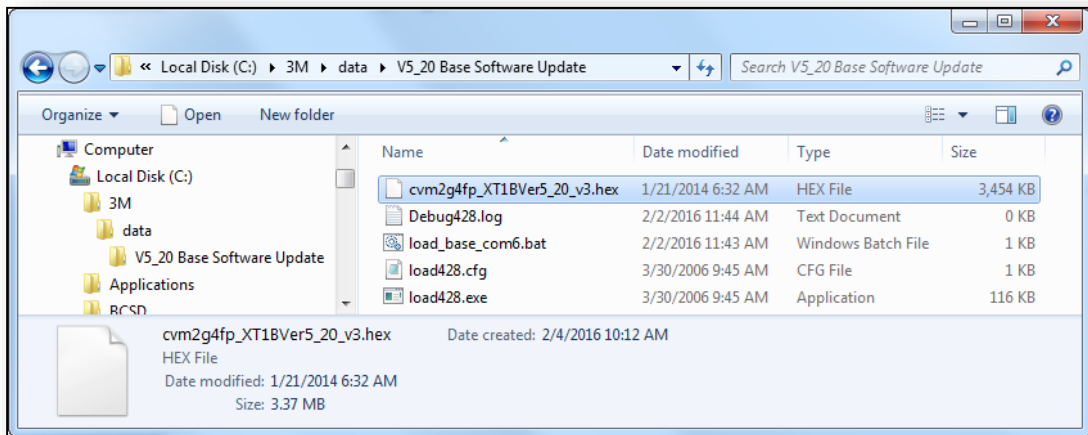


Using a batch file to conduct upgrade

1. Open the [V5_20 Base Software Update.zip](#) file that accompanies this Technical Bulletin. The file structure inside is as shown below - a folder called "V5_20 Base Software Update"



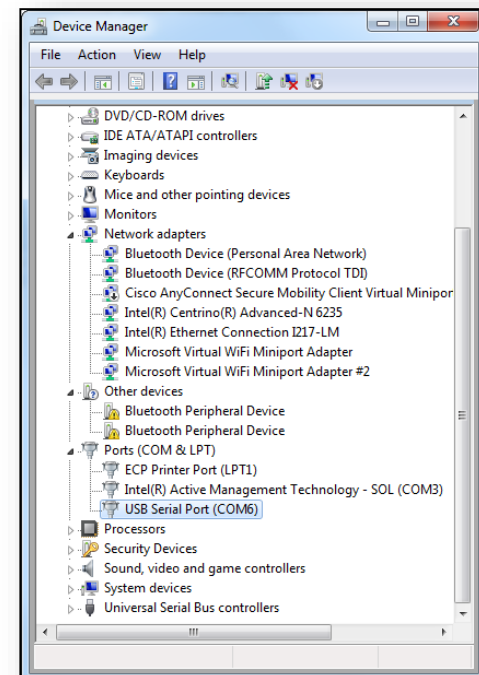
2. Copy the folder onto your computer's C: Drive and make sure you see the following files inside that folder: A recommended location is "c:\3M\data"



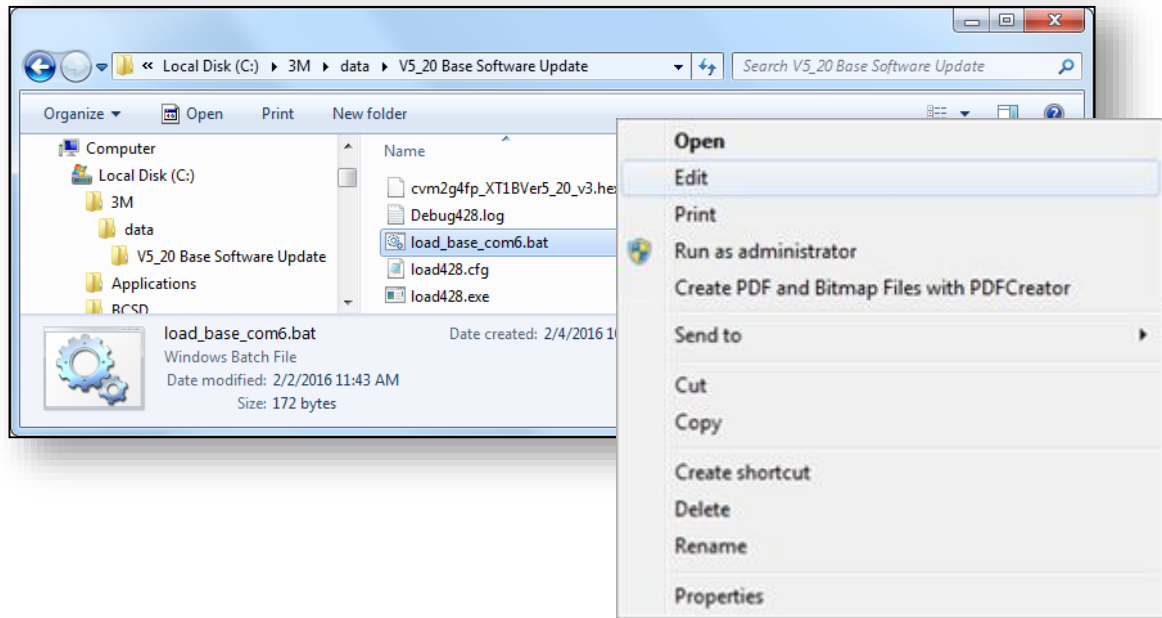
3. Plug the USB serial cable into the PC USB port.
4. Determine the Com Port number for the USB cable (only necessary the first time):
 - a) Open the "Control Panel" off of the START menu in Windows 7.
 - b) Double click the "System" icon.
 - c) Click on the "Hardware" tab.
 - d) Click on "Device Manager".
 - e) Scroll down to Ports (Com and LPT) and expand by double clicking.
 - f) Record the USB Serial Com Port number (for instance, Com 6 in the fig).
5. Note: If the USB Cable COM Port is assigned a number Greater than 9, please refer to the following Technical Bulletin to manually assign a Port number.



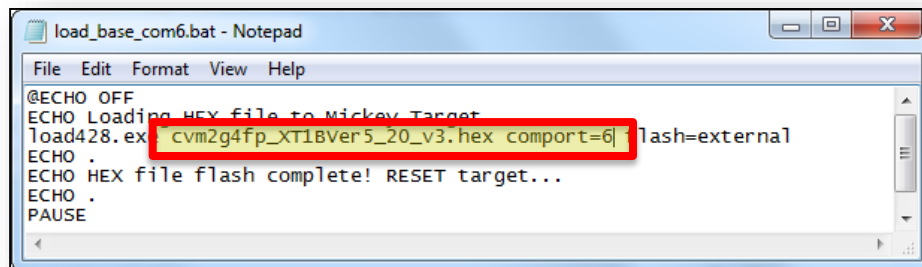
TB # 133 Assigning the correct COM port to the USB Cable (XT-1) Programming cable.pdf



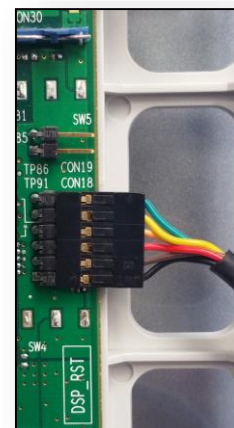
- Open the load_base_com6.bat file in EDIT mode, by right mouse clicking on the file.



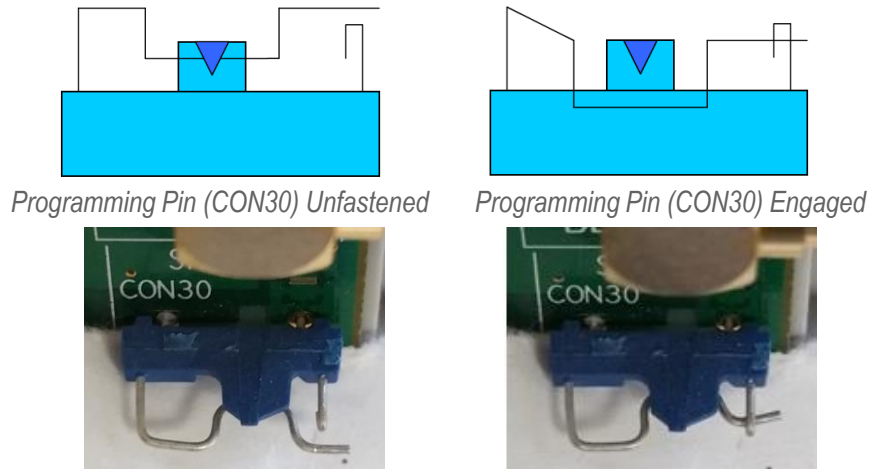
- Verify line 3 in this file, has the correct Basestation software file name (cvm2g4fp_XT1BVer5_20_v3.hex in this case) and the comport is set to the number you recorded in a previous steps (6 in this case). Save the file if you made these changes.
(NOTE: For clarity, you may rename the file with the correct COM port number.
In this example: load_base_com**6**.bat)



- Remove cover from the Basestation.
- Plug the USB cable (Serial-TTL cable) 6-pin connector into the base station connector labeled CON18, ensuring the **black** wire of the cable connector is toward the **bottom** of the Basestation. (Green wire up).

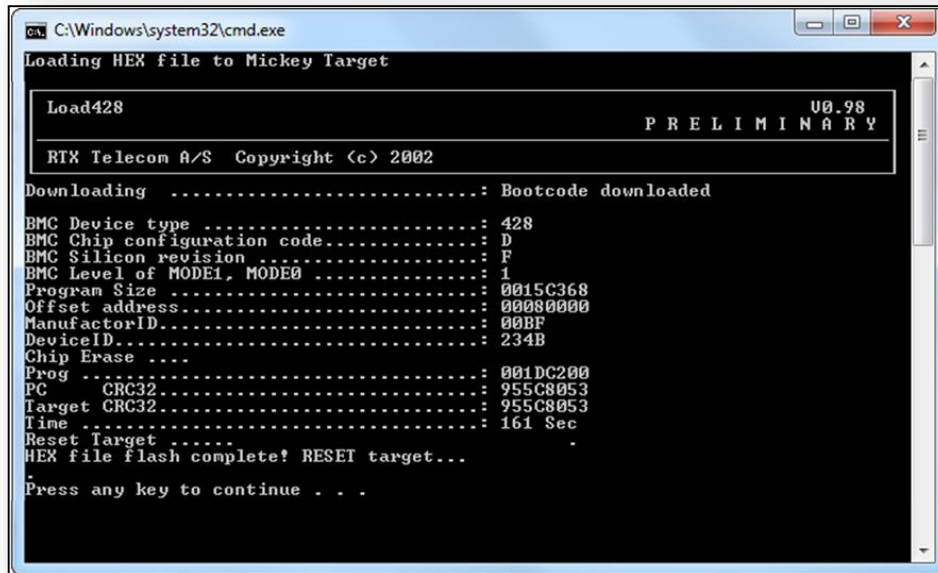


10. Turn off power to the 3M™ Wireless Communication System Model XT-1 Basestation.
11. Engage the programming pin, located just below the right hand antenna, labeled as CON30 (See Fig. 4.2).



IMPORTANT NOTE: If the Blue Pin connector is missing on your basestation, you will have to power on the basestation with the contacts shorted together by any method you choose (example, using a paper clip as a jumper). You may remove the jumper once the basestation power is applied.

10. Turn on power to the 3M™ Wireless Communication System Model XT-1 Basestation
11. Double click the **load_base_com6.bat** file
12. The file will execute inside a DOS window.
Wait for the download application to complete.
When prompted, press any key to close the DOS window.



13. The front panel display of the 3M™ Wireless Communication System Model XT-1 Basestation will give the indication:

FLASH MEMORY HAS BEEN PROGRAMMED
WITH BBC SW VERSION 05.20
PLEASE REMOVE PROGRAMMING PIN AND
POWER CYCLE TO START SYSTEM



10. Turn off power to the 3M™ Wireless Communication System Model XT-1 Basestation.
11. Unfasten the programming pin (CON30).
12. Turn on power to the 3M™ Wireless Communication System Model XT-1 Basestation. The system will now progress through the system checks.

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| REMOTE UPDATE IN PROGRESS |
| .....05.20..... 05% |
| IBU GREETER DSP CODEC RTC TIMER |
| PASS PASS BOOT ---- ---- ---- |

```

13. Once update is completed, the front panel display will show the run screen

```

08:35 THU, FEB/04/2016 Mode > AL/MLT <
Noise Reduction [MED] Single Lane
Greeter Is Off Line! Volume < DAY >

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14. Log into the basestation as an installer and perform a Factory Setup (Menu Item 15 on the System Menu) to restore all factory settings.

For more information, refer to the 3M Drive-Thru [Installation Manual](#) and [Operation Instructions](#).



Commercial Solutions Division

3M Center, Building 220-12E-04
 St. Paul, MN 55144-1000
www.3M.com/drivethru

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