



3-Series and BACnet/IP Broadcast Management Device (BBMD)

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How do you enable BACnet/IP Broadcast Management Device (BBMD) on a 3-Series processor?

1. Start by enabling BBMD on the MC3 controller with text console.

```
MC3> BACNETEnablebbmd 1
```

2. Use the below console command to configure:

```
bacnetbdt ?
BACNETBDT {UPLOAD} [ [IP Address] [Port] [Mask]...]
No arguments - Prints current Broadcast distribution table (BDT) in format of <IP><Port><Mask>
? - Help information for BACnetBDT command
Arguments in format '[IP Address] [Port] [Mask]' will register these entries in the BDT for BBMD Functionality
{UPLOAD}: Use the BACnetBDT.txt file to register entries in the same format as the arguments above. All
entries must be on one line.
NOTE: This command will automatically enable BBMD on the control system when issued with correct
arguments
```

```
For example:
bacnetbdt 2.2.2.2 47808 255.255.255.255
Success. BDT was successfully updated.
```

```
Afterwards this can be verified with the same command:
bacnetbdt
TableStart:[ BACnet Broadcast Distribution Information]
IP Address | Port Number | Mask |
-----+-----+-----+
2.2.2.2 | 47808 | 255.255.255.255 |
```

3. Use the BACnet Discovery Tool (BDT) to search for BACnet devices. If both systems are set up correctly, you should see your device and theirs.

Below process has been deprecated. Please follow the above console command for easier modification.

1. Start by enabling BBMD on the MC3 controller with text console.

```
MC3> BACNETEnablebbmd 1
```

2. Use a BACnet management tool to setup the BBMD table on the controller. We have used Visual Test Shell (VTS) to manage the broadcast distribution table on an MC3 controller. All directions are written using VTS as the example.
[Visual Test Shell for BACnet](#) | [Free Communications software downloads at SourceForge.net](#)
3. Launch VTS.
4. Choose Edit and then Devices. The name field is what you will see once in device discovery.

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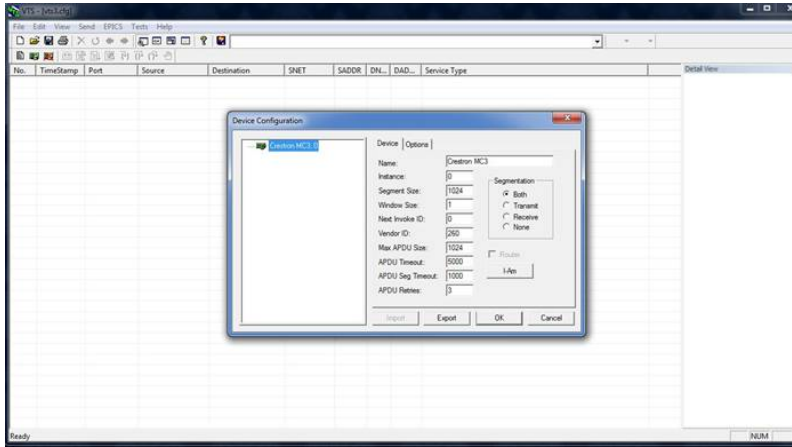
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5. Press OK.



6. Choose Edit and then select Ports.

7. Name the port.

8. Select the device you just named from the drop down.

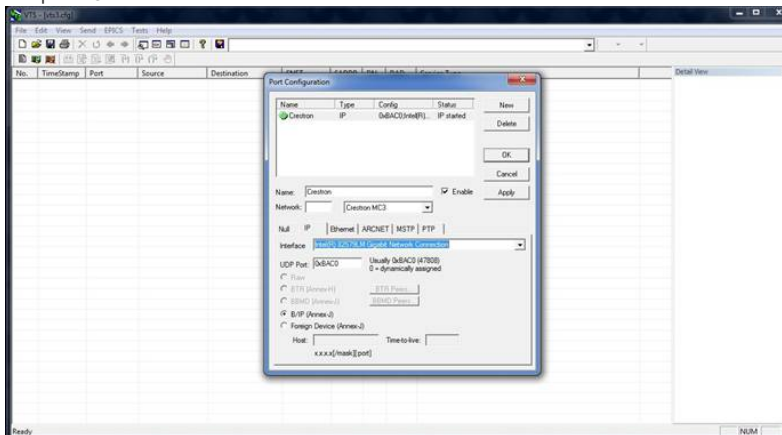
9. Navigate to the IP tab in the lower section.

10. Select your Ethernet controller your laptop uses for communication in the Interface Drop down. UDP port must be 0xBAC0.

11. Select B/IP.

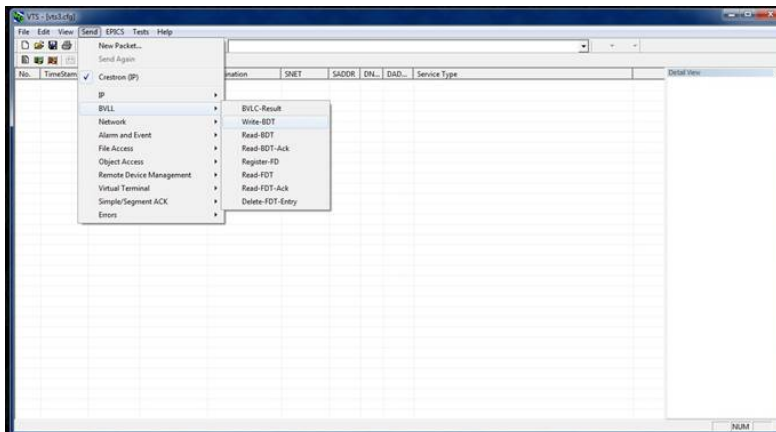
12. Check Enable next to the Name field.

13. Click Apply. Sometimes when you press Apply the OK gets grayed out. Simply uncheck and recheck Enable and press OK.



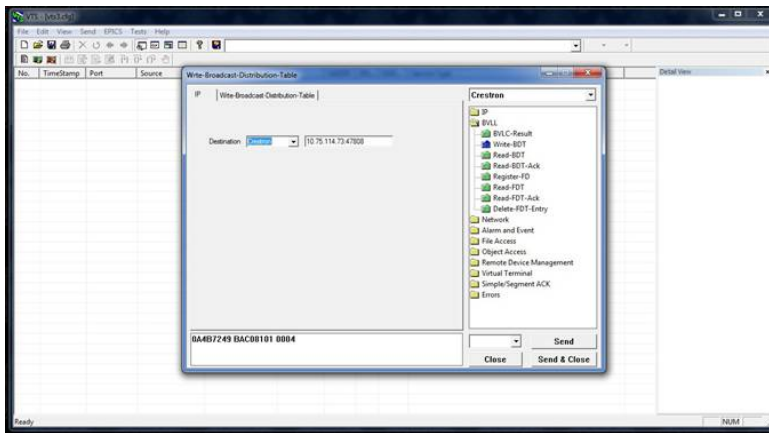
14. Choose Send

15. Select "BVLL" then "Write-BDT".

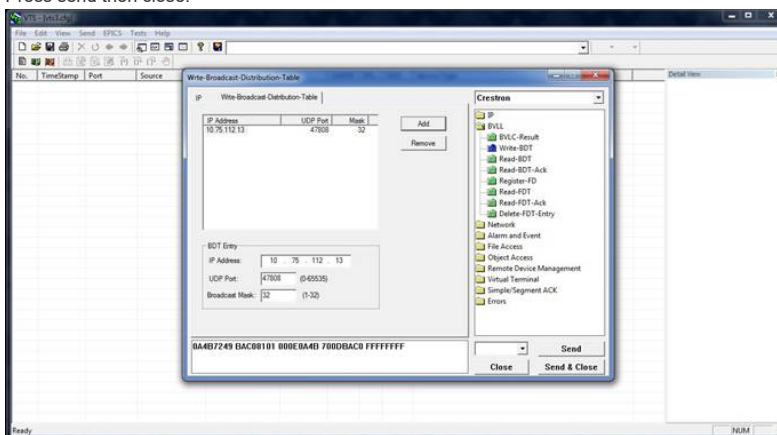


16. Navigate to the IP tab in the PopUp.

17. Enter the IP address of your controller.



18. Select the "Write-Broadcast-Distribution-Table" tab.
19. Select "Add".
20. Highlight your new entry and at the bottom put the IP of the GLA-BMS controller. The UDP port should be 47808 and Broadcast Mast 32.
21. Press send then close.



22. Close VTS.
23. Use the BACnet Discovery Tool (BDT) to search for BACnet devices. If both systems are set up correctly, you should see your device and theirs.

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