Set up RESOL DL3 being Compatible to BacNet/IP

Resol DL3 datalogger is able to talk to BacNet system. It has to be emphasized that DL3 is NOT able to talk to BacNet binary directly, while it transmits parameters and readings to BacNet system via BacNet/IP.

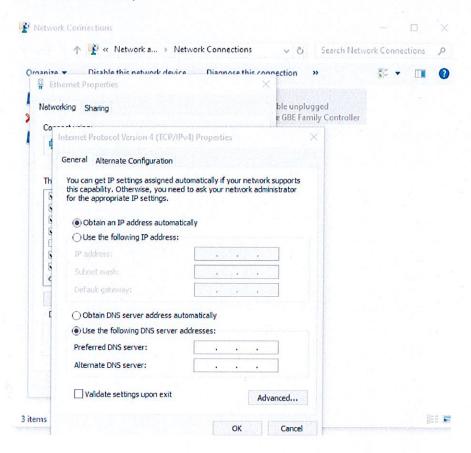
What information do you need from building automation person?

- Static IP address, Subnet Mask, and Gateway
- BacNet address

Before starting setting up the RESOL DL3 to be compatible to BacNet/IP, please make sure the DL3 is with default factory settings; if you are not sure about this, please hold the key at middle and choose **Erase--> Reset--> Erase? Yes** under "Settings". After DL3 gets reset, the DL3 is with default factory settings.

Set up Procedures:

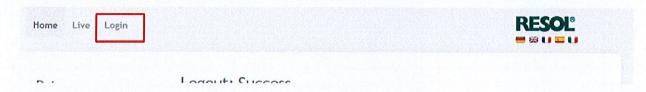
1) Connect your computer to DL3 directly (RJ45 cable), and mak sure your computer obtains an IP automatically.



Also, hold the middle key on the DL3 and check Settings--> NetWork--> LAN--> you will find current DL3 IP address and now it is a DHCP type.

- 2) Input the IP address got from the screen of DL3 into a browser. We strongly suggest to work with **FireFox**.
- 3) After you access to DL3 web interface, please click Login at the top.

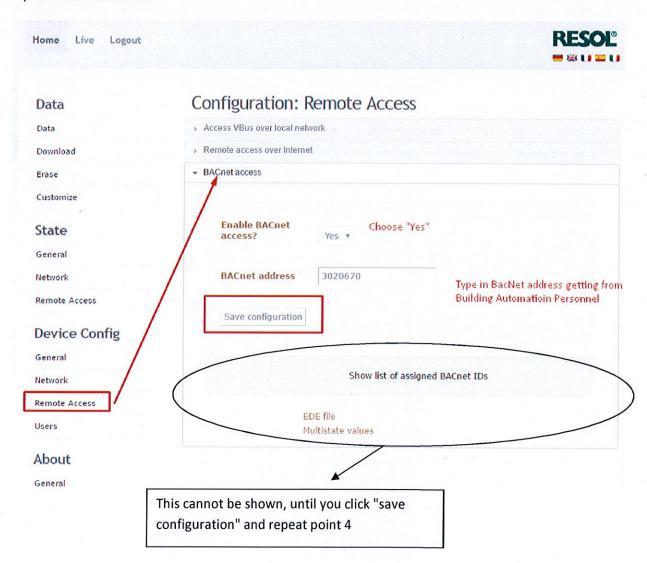
User name: admin & Password: admin.



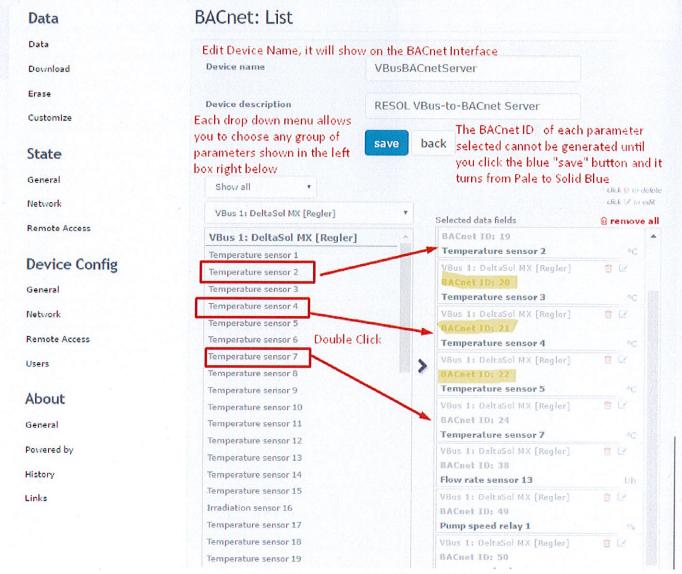
4) Clicking Device Config--> Remote Access--> BACnet Access.

Enable BACnet access--? Yes

Input BACnet address

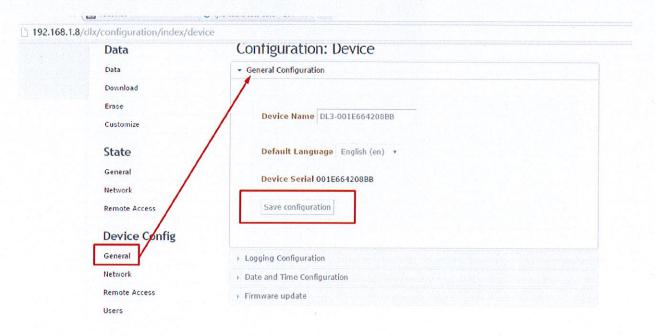


5) Please click "show list of assigned BACnet IDs", and you will see all parameters in the left box.



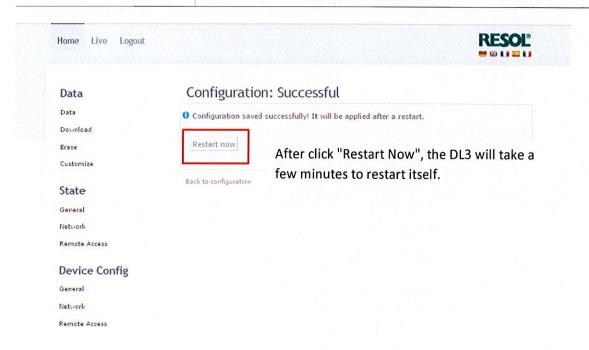
- 5.1 Each drop down menu allows you filter out which parameters you would like to see in the left box.
- 5.2 The right box is **selected data fields**. You double click the parameters you like, and they will automatically show up in the right box; or you hold the parameter in the left box and move it to the right box, and release your mouse, you can still see the parameter show up in the right box.
- 5.3 After completely selecting all parameters and dropping them into the right box, please click blue "Save " button.

- 5.4 The "Save" button will turn to Solid blue from Pale, which means your settings are saved; also, you should be able to see the BACnet ID of each parameter.
- 5.5 Click " Back"
- 6) Click Device Config--> General; Click " Save Configuration", and wait until web interface shows the "Configuration save successfully".



- 7) Device Config--> NetWork
- 7.1 Change DHCP to Static
- 7.2 input Static IP, Subnet Mask, Gateway, Name server1, and click "Save Configuration"

vinigaranoi ginacagnici von Configuration: Network Data Data **► LAN Configuration** Download Erase LAN configuration mode Static Customize Static IP LAN IP address State General LAN netmask Subnet Mask Network Remote Access Gateway Gateway Device Config Nameserver 1=Gateway Nameserver 1 General Network Nameserver 2 Remote Access Users LAN MTU 1492 We suggest to not change About LAN MTU HTTPS port 443 HTTPs port General Remote Access port Powered by Remote Access port 7053 History Links IP Recovery Yes After click "save configuration" Save configuration DL3 will restart in order to apply the information



- 7.4 Click "Restart Now", the DL3 will automatically restart itself and this process takes a few minutes. After it restarts, please hold the middle button on DL3, and check Settings--> Network--> LAN. You will see **Auto Configuration--No**, static IP and subnet mask.
- 7.5. Please repeat Step 6) above.
- 8) Connecting the RJ 45 cable from computer to BACnet/IP port, the device and all parameters selected should be able to show up on BACnet Interface.

Up to here, set up procedures are completed.

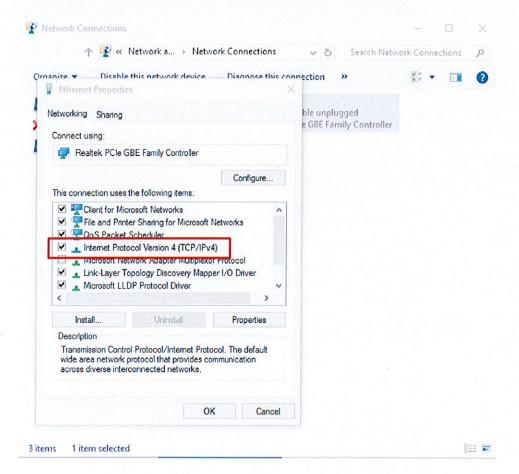
Tips:

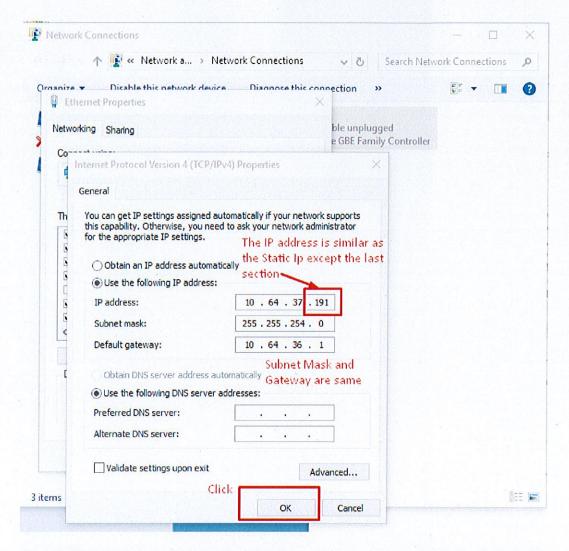
Tip-1 How to still work on DL3 web interface after Static IP is set up?

Connecting the DL3 to computer--> Take Win 10 as an example

Settings--> Ethernet--> Change Adaptor Options--> Right Click the Ethernet (the icon is two PCs)

--> Select Properties--> Double Click the content in the red box





Click "OK" right below and also Click "OK" at previous window: Ethernet Properties.

Then, input the Static IP of DL3 into a browser, you should be able to access to DL3 web interface.

(Please do not use IE explore)

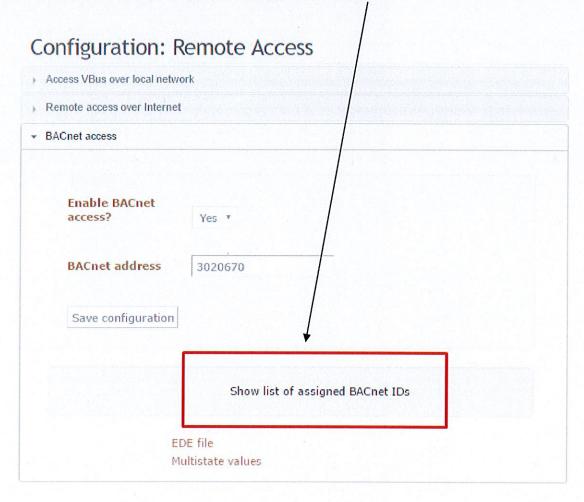
Tip 2-How to check if parameters are successfully moved to the right box (step 5).

- 1) Paying attention to the Blue "save" button. Make sure it turns from Pale to Solid Blue.
- 2) Click "Back" Button right beside the blue "save" button.
- 3) Click "show list of assigned BACnet IDs" and see whether all the parameters are still stably in the right box.

BACnet: List

Device name	VBusBACnetServer
Device description	RESOL VBus-to-BACnet Server
	save back

After Click Back, you will go back previous page and then click

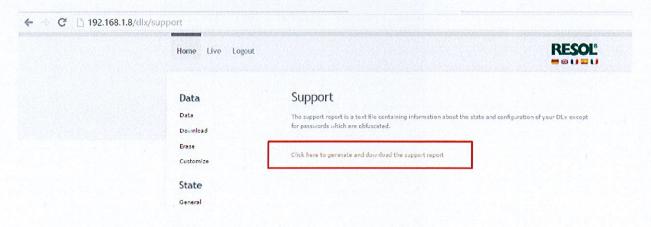


Check whether all parameters in the right box are still there?

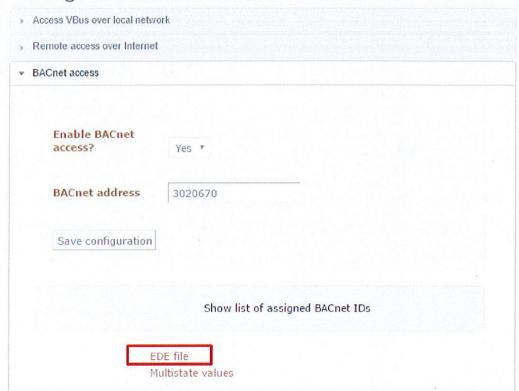
Tip-3 Collect EDE file and Support Report File.

When you meet any troubles, please do not leave job site without these two files.

Open a browser and type in : <u>IP address</u>/dlx/support, for example: 192.168.1.69/dlx/support and click the link to download and collect the support report file.



Configuration: Remote Access



Download and Collect EDE file.