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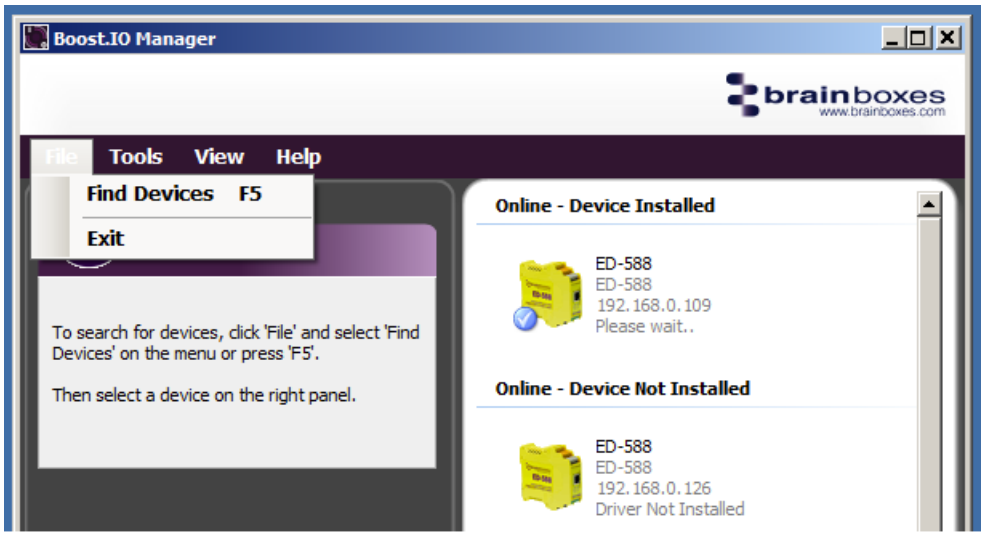
tecnosoft Brainboxes Boost IO Manager System



Specifications

- Device: DeepWave Relay Alarm System
- Software: Brainboxes Boost.IO Suite 3.7, TSLog21 program version 1.3.2.0 or later
- Browser Compatibility: FireFox
- Network Port: 9500

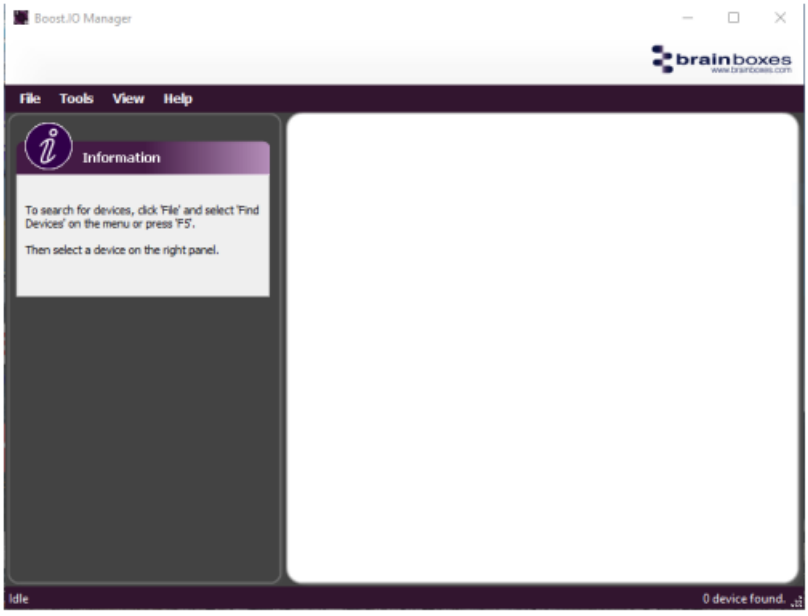
Prerequisites

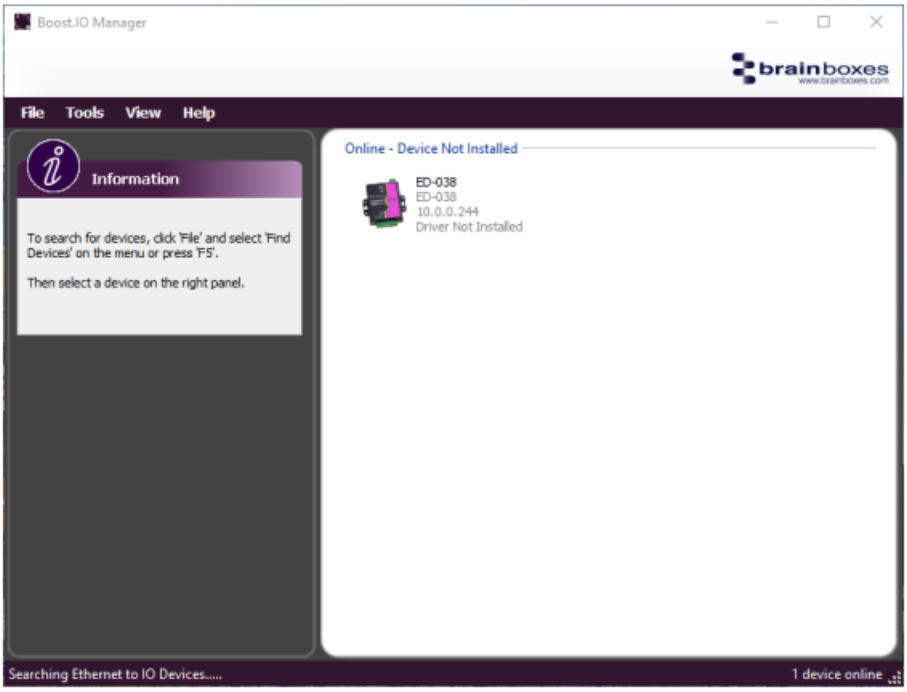
To configure and test the DeepWave Relay Alarm System you need:

1. Relay Alarm System device with power supply
2. CD with Software Brainboxes Boost.IO Suite 3.7
3. TSLog21 program version 1.3.2.0 or later installed and configured
4. Browser FireFox
5. Port 9500 open on the network

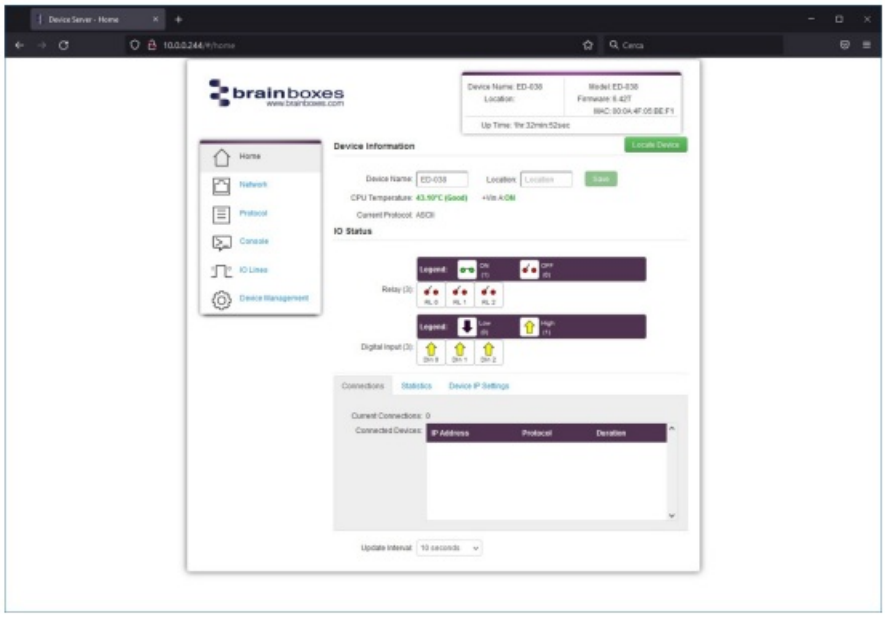
Configuration

1. Connect the Ethernet cable and power to the Relay Alarm System.
2. Launch the Boost.IO Manager program on your PC using the provided CD (BrainBoxes Boost I/O Suite 3.7).

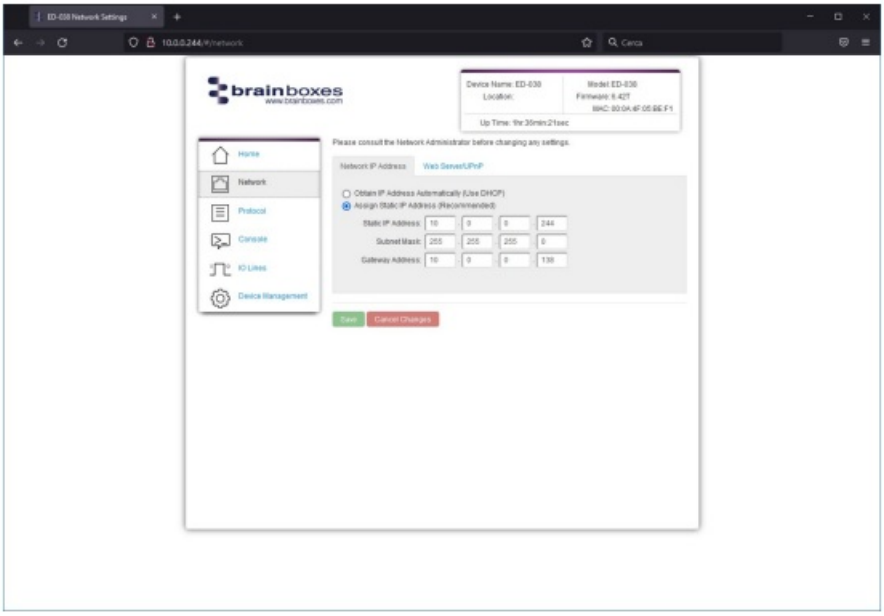


3. Press the F5 key. 

If you don’t see your device, check the Ethernet and power connections.
4. Note the IP address assigned to the device (for example 192.168.1.254).
5. Open the Firefox browser and type the IP address you just noted.



If you don’t see the page, check your Ethernet and power connections.
6. Make a note of the Mac Address to know exactly which device you are modifying, in case you have more than one. The Mac Address is located at the top right, MAC, and is written on a label on the device).



7. Select Network.
8. Select Assign Static IP Address and fill in the IP address with a free IP address on your network, fill in Subnet Mask and Gateway Address appropriately. Press Save. Wait 20 seconds and remove and reconnect power to the Relay Alarm System.
9. Type the new IP address into FireFox. If the page opens then the change was successful, otherwise repeat the procedure.
10. To configure the operation of the button select IO Lines.

Line	Mode	Power-On Value	Safe Value	Quick Stop Value	Debounce Time (ms)
RL 0	Relay	OFF	OFF	OFF	N/A
RL 1	Relay	OFF	OFF	OFF	N/A
RL 2	Relay	OFF	OFF	OFF	N/A
DIn 0	Digital Input	N/A	N/A	N/A	30
DIn 1	Digital Input	N/A	N/A	N/A	0
DIn 2	Digital Input	N/A	N/A	N/A	0

Please Select Quick Stop IO Line : DIn 0 when Falling Edge

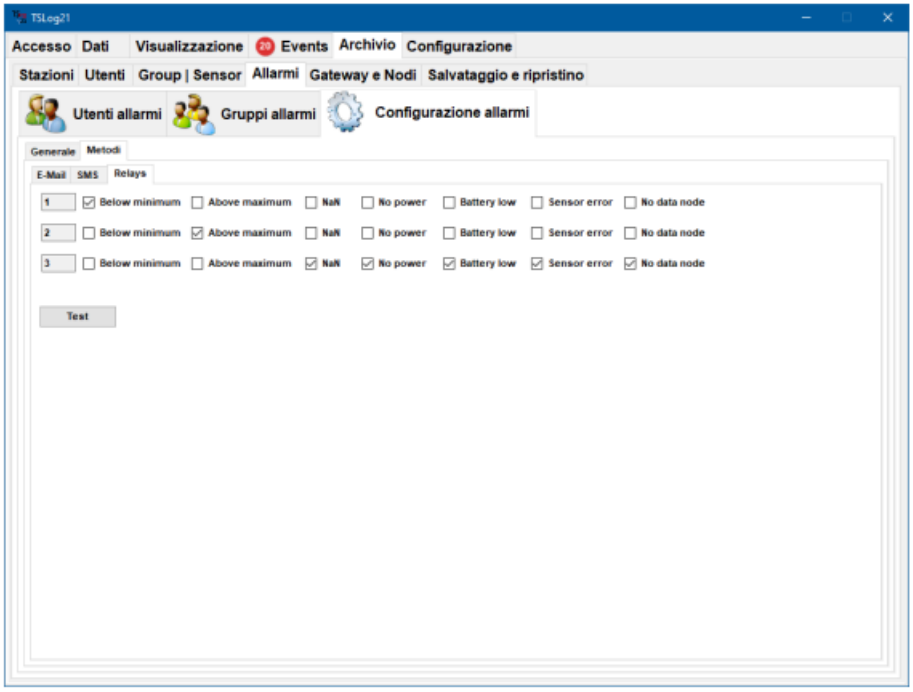
Save Cancel Changes

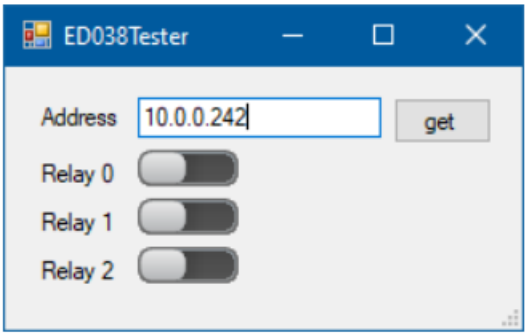
11. Configure the fields as in the example and click Save.

Test

1. Start TSLog21 configured to connect to a Helios.
2. Log in to the program with an Administrator user.

3. Select Archive→Alarms→Alarm configuration →Methods→Relays and press the Test button.

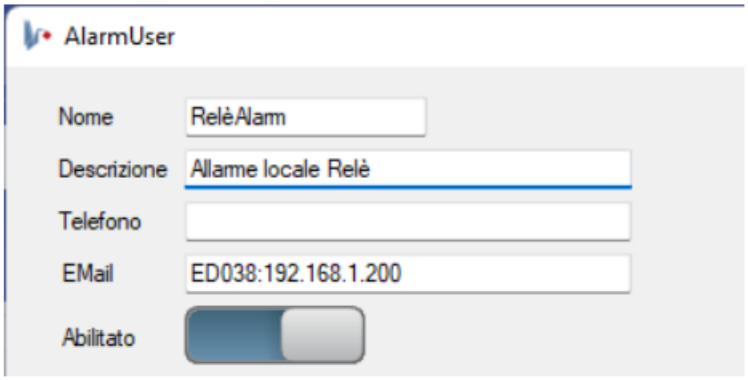




4. Type the IP address of the device to be tested.
5. To activate the relays, change the state of the relevant control (Relay 0, 1, 2).
6. The Get button allows you to obtain the current status of the relays from the module. To verify the correct functioning of the button, activate a relay and press the button to verify that the relay is reset.

Alarm configuration on TSLog21

1. Start TSLog21 configured to connect to a Helios.
2. Log in to the program with an Administrator user.
3. Select Archive→Alarms→Alarm users.
4. Assign a name to the user and write “ED038:[Device IP address] in the Email field.



5. Enable it by using the button below the Email field
6. Click OK and reopen it immediately after.
7. Assign the Alarms for which the relay must trip in the Alarms box.

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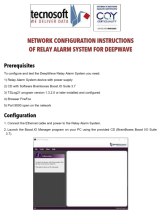
FAQ:

- **Q: What do I do if I cannot see my device during configuration?**
  A: Check Ethernet and power connections, and ensure software programs are running correctly.
- **Q: How can I verify if my IP address change was successful?**
  A: Type the new IP address into FireFox; if the page opens, the change was successful.
- **Q: How do I activate relays for testing?**
  A: Change the state of the relevant control (Relay 0, 1, 2) and use the Get button to verify relay status.

Documents / Resources



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Brainboxes Boost IO Manager System, Boost IO Manager System, Manager System

References

- Boost
- Tecnosoft | Data Logger e strumenti monitoraggio ambientale | Tecnosoft
- User Manual

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