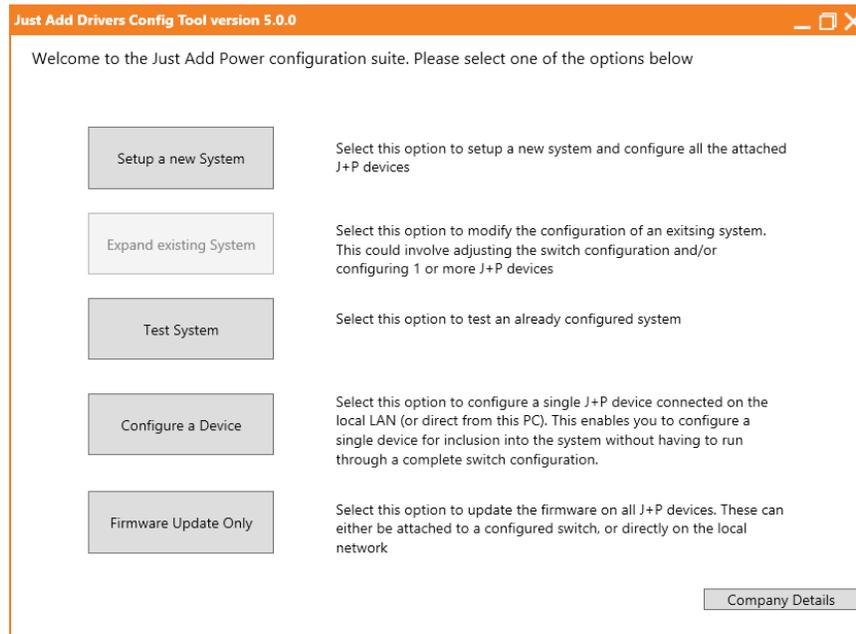


# ULTRA<sup>HD</sup> IP



# JADCONFIG MANUAL

2020-01-27

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# Introduction

JADConfig is a Windows-only software that works with select models of Cisco and Luxul switches to setup VLAN Switching for 2G and 3G Just Add Power HD over IP systems.

VLAN Switching describes an audio/video matrix switching system that uses VLANs in a **Managed Ethernet** switch to separate video signals. Each port on the switch that has a Transmitter connected to it is configured with a **unique VLAN**. The **VLAN membership** of a port with a Receiver connected to it determines the video signal that is going to that Receiver. To perform source-switching, the **VLAN membership** of the Receiver port on the switch is changed.

JADConfig is capable of performing multiple functions for configuring or servicing a Just Add Power system:

- [Setup a New System](#)
- [Expand Existing System](#) (future functionality)
- Test System
  - [Test Switching](#)
  - [Detect Switch Model](#)
  - [Test Static Route](#)
  - [Read Switch Config](#)
- [Configure a Device](#)
- [Firmware Update](#)

# Download & Install

Newest version of JADConfig and associated drivers are always available at [support.justaddpower.com](https://support.justaddpower.com)

- Download the setup file
- Install JADConfig
- **Windows ONLY** program
  - Apple hardware running Windows OS may experience issues. Please use a native Windows PC.
- Program automatically updates when new version is available.

# Supported Switches

Make	Model	Driver Supported	Stackable	POE Ports	Max Devices
Luxul	AMS-1208P	✓		7	9
	AMS-1816P	✓		15	17
	AMS-2616P	✓		16	25
	AMS-2624P	✓		23	25
	AMS-4424P	✓	✓ 10Gb	368*	368*
	XMS-1208P	✓		7	9
	XMS-2624P	✓		23	25
	XMS-5248P	✓		47	49
	XMS-7048P	✓	✓ 10Gb	752*	784*
Cisco	SG300	✓		47	51
	SG350	✓		47	51
	SG500	✓	✓ 5Gb	376*	392*
	SG500X	✓	✓ 10Gb	376*	376*
	SG550X	✓	✓ 10Gb	376*	376*

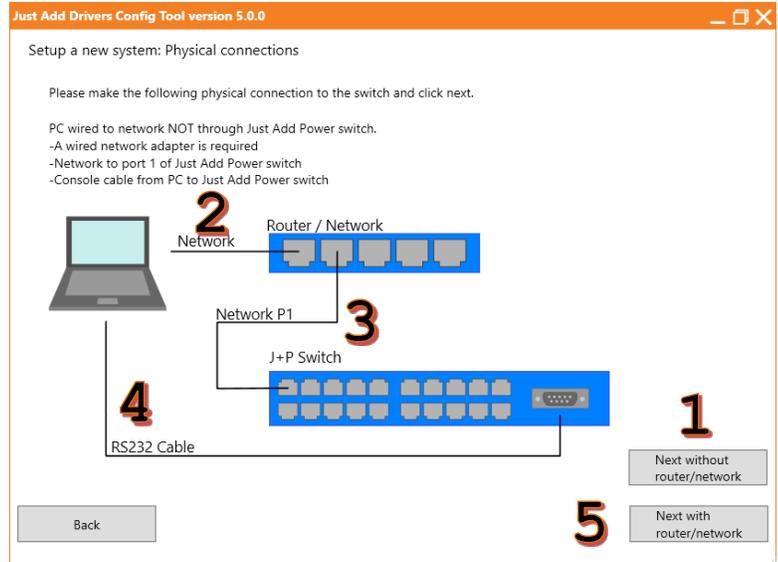
\*Stackable switches can function alone, or in a group to increase system size

# Setup a New System

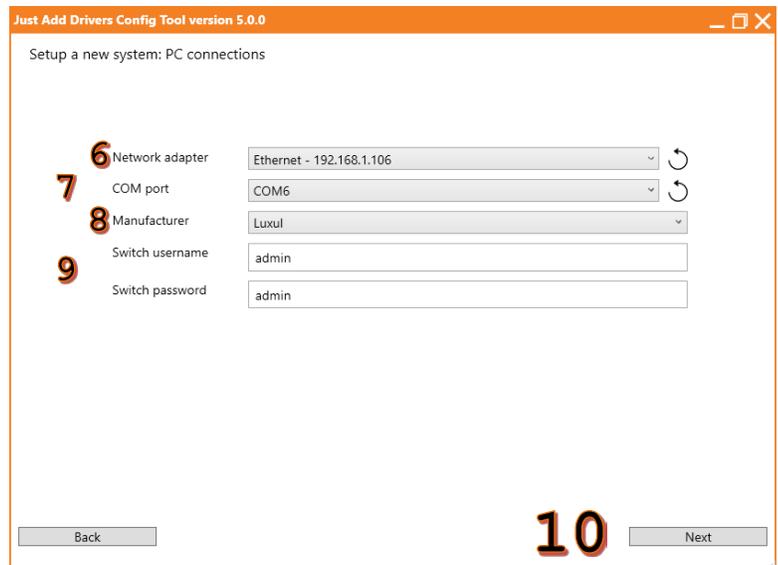
## Part 1 – Physical Connections

Connect the PC and the switch

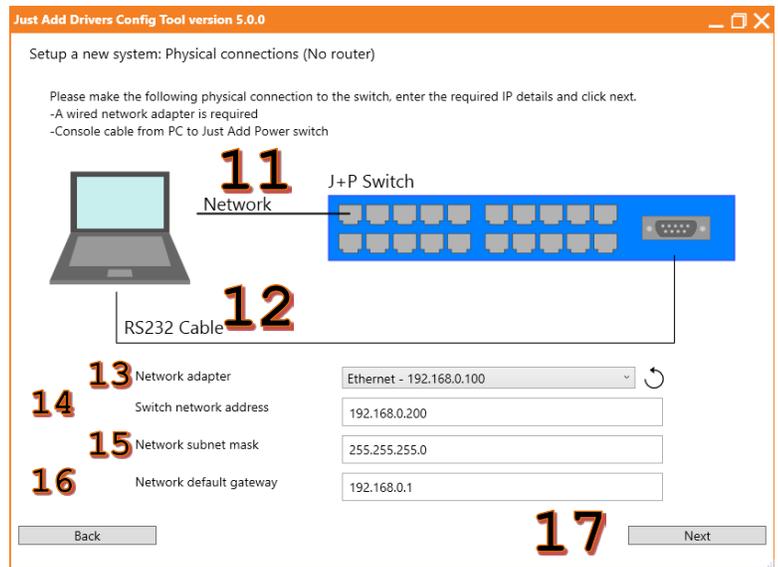
1. If no network is involved, select **Next without router/network** and jump to **Step 11**.
2. Connect the PC to the network.
3. Connect the network to port 1 of the switch.
4. Connect the PC to the console port of the switch.
5. Select **Next with router/network**.



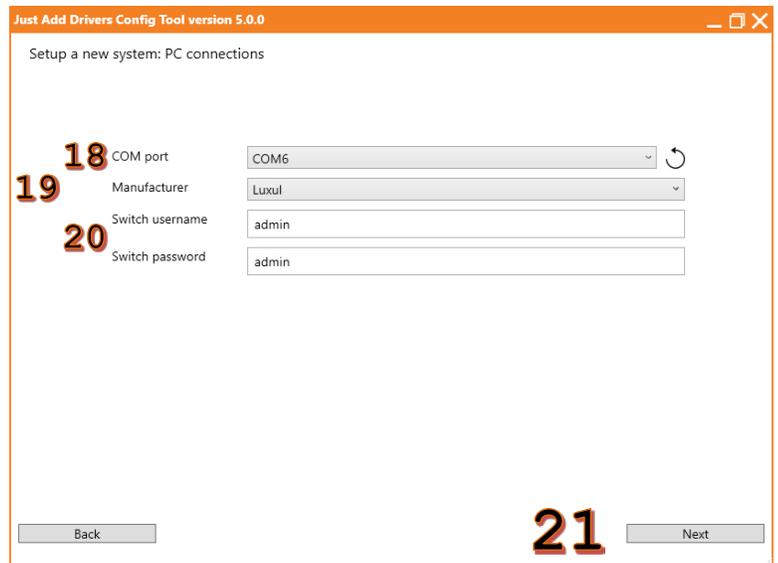
6. Select the **Network adapter**.
7. Select the **COM port**.
8. Select the switch **Manufacturer**.
9. The **Switch username** and **Switch password** will auto-fill. If the values are different than default, enter the current username and password.
10. Select **Next** and jump to [Part 2](#).



11. Connect the PC wired network to port 1 of the switch.
12. Connect the PC to the console port of the switch.
13. Choose the **Network adapter** connected to the switch.
14. Enter the **Switch network address**. This is the IP assigned to the switch.
15. Enter the **Network subnet mask** to match the network the switch will be installed in, or to match the control system.
16. Enter the **Network default gateway** to match the network the switch will be installed in, or to match the control system.
17. Select **Next**.



18. Select the **COM port**.
19. Select the switch **Manufacturer**.
20. The **Switch username** and **Switch password** will auto-fill. If the values are different than default, enter the current username and password.
21. Select **Next** and move to [Part 2](#).

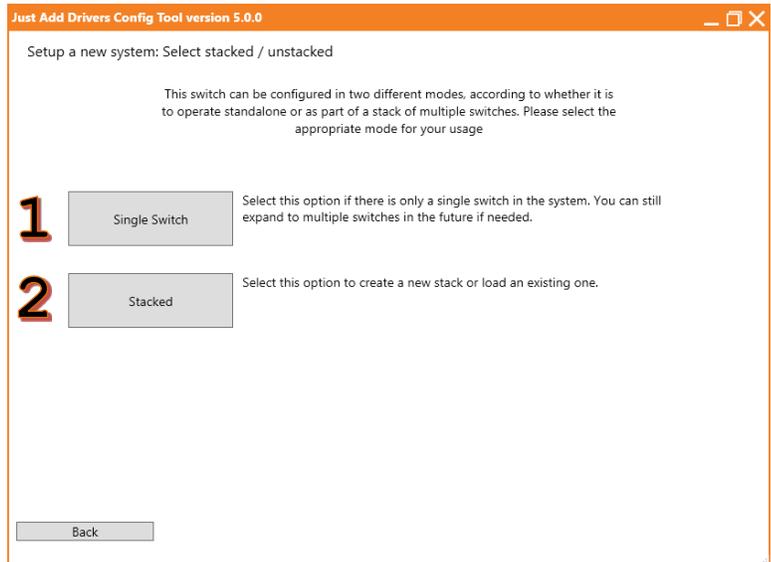


## Part 2 – Stack Setup

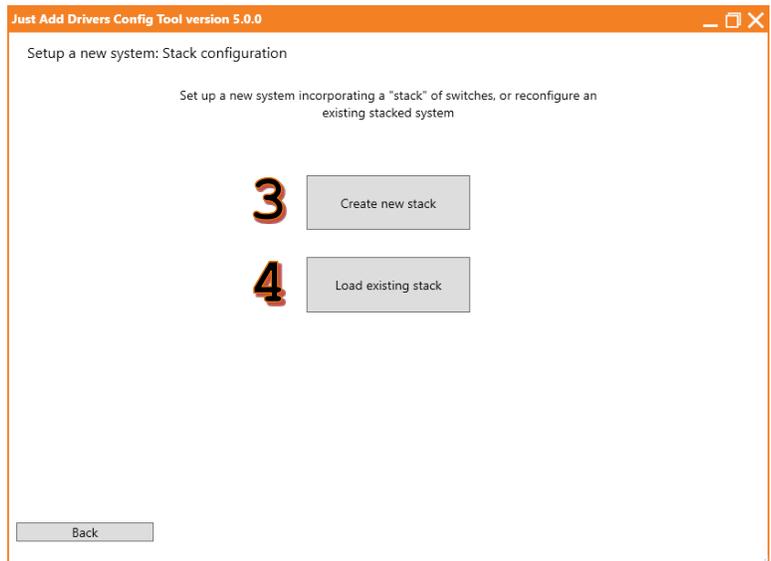
Only for stackable switches. If the switch is not stackable, jump to [Part 3](#).

Stacking cables between the switches should **NOT** be connected until told to do so by the software.

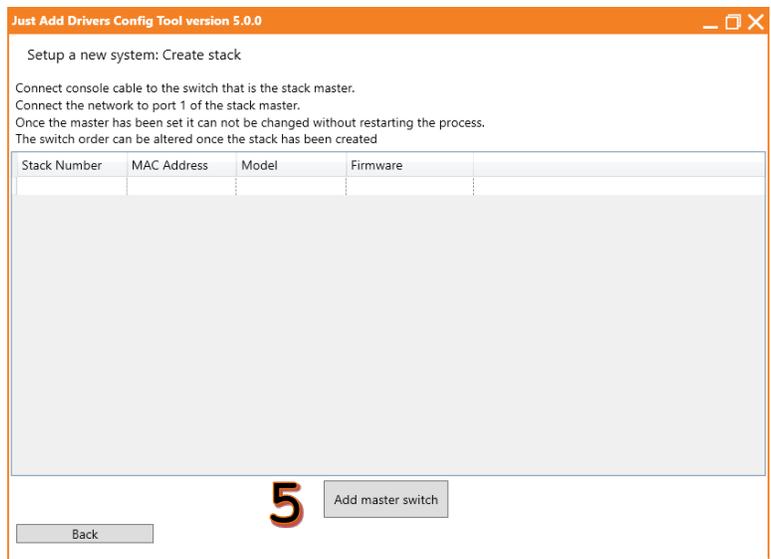
1. If there is only 1 stackable switch, select **Single Switch** and jump to [Part 3](#).
2. If there are multiple stackable switches, select **Stacked**.



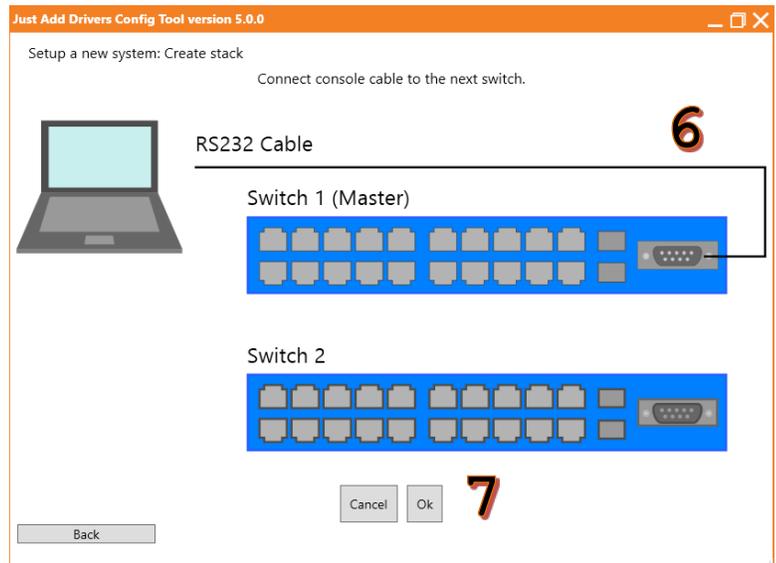
3. If the switches have not yet been joined together into a single stack, select **Create new stack** and jump to **Step 6**.
4. If the switches have been joined together into a single stack, select **Load existing stack** and jump to **Step 16**.



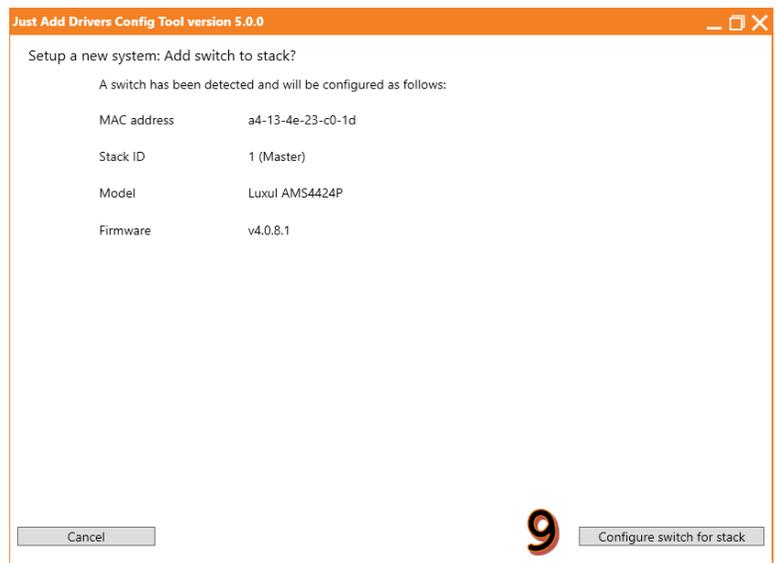
5. Enable the first switch in the stack – referred to as the Master – by selecting **Add master switch**. Once the Master has been identified it cannot be changed. All other switches can be reorganized later in the process.



6. Confirm that the console cable is connected to the switch that will be the Master.
7. Select **Ok**.



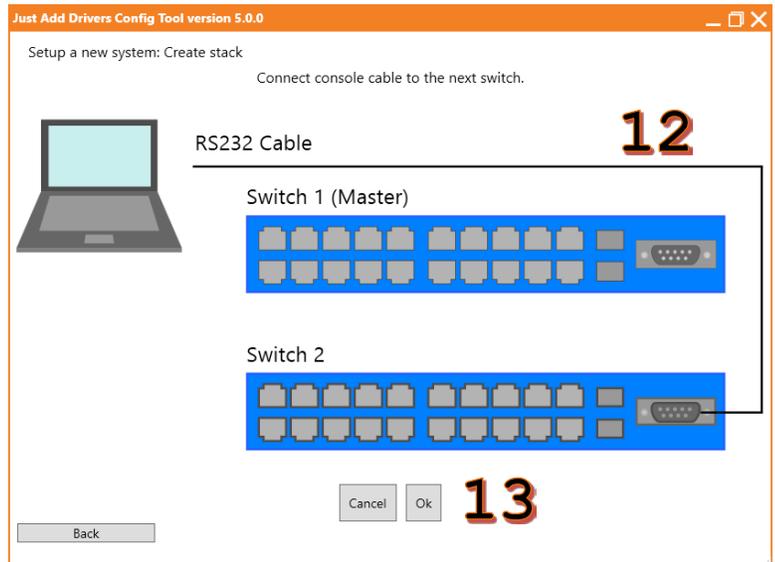
8. The program will interrogate the switch and get its current settings.
9. Confirm the settings and select **Configure switch for stack**.



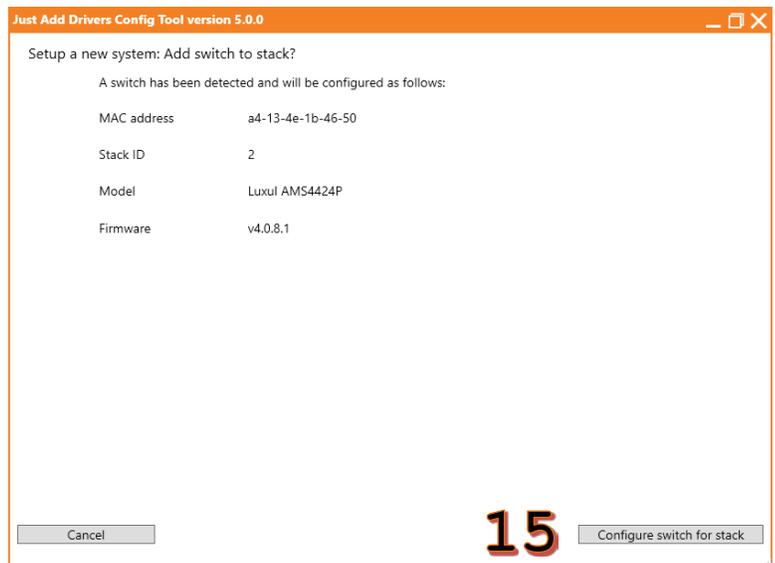
10. The program will configure the switch as the Master and return to the Create stack page.
11. To expand the stack, select **Add a switch**.



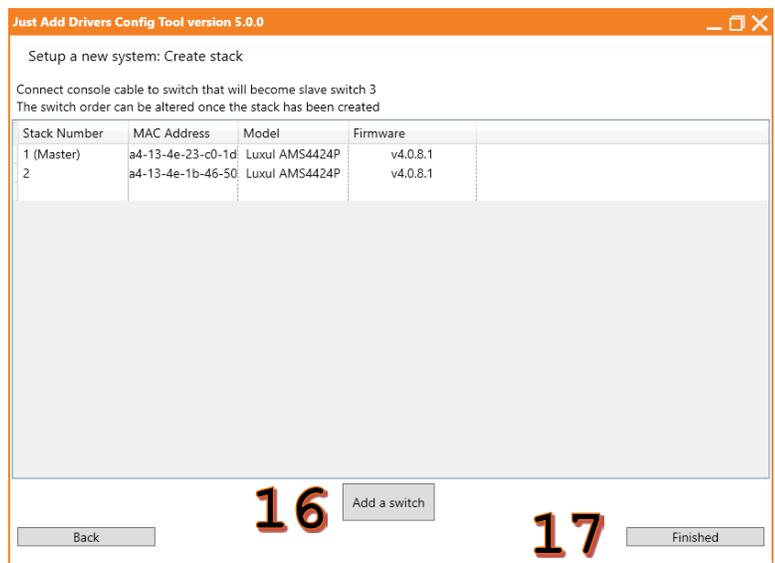
12. Move the console connection to the switch that will be added.
13. Select **Ok**.



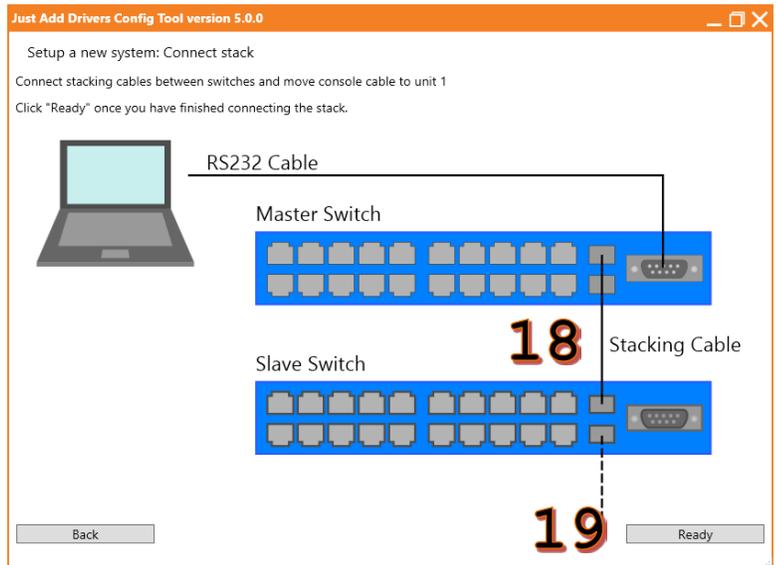
14. The program will interrogate the switch and get its current settings.
15. Confirm the settings and select **Configure switch for stack**.



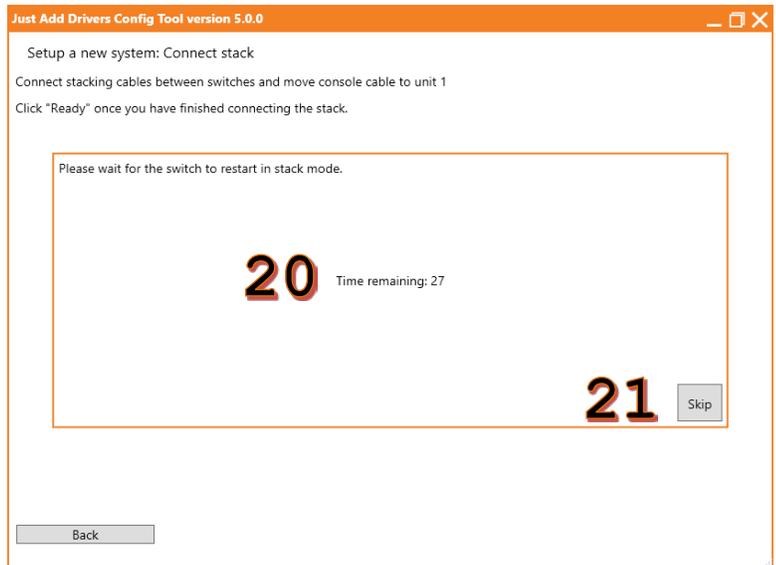
16. To add additional switches, select **Add a switch** and repeat steps 13-16.
17. To finish adding switches and proceed with the current switches, select **Finished**.



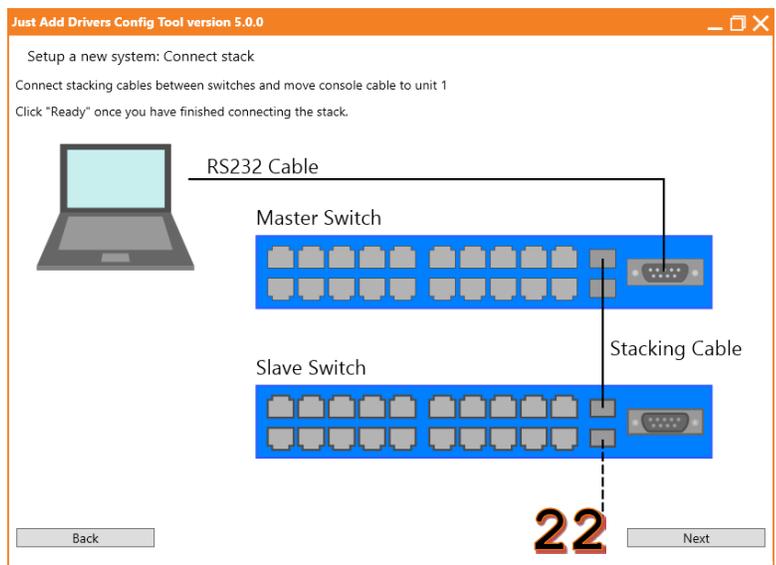
- 18. Connect the stacking cables between the switches.
- 19. When all stacking cables are connected, select **Ready**.



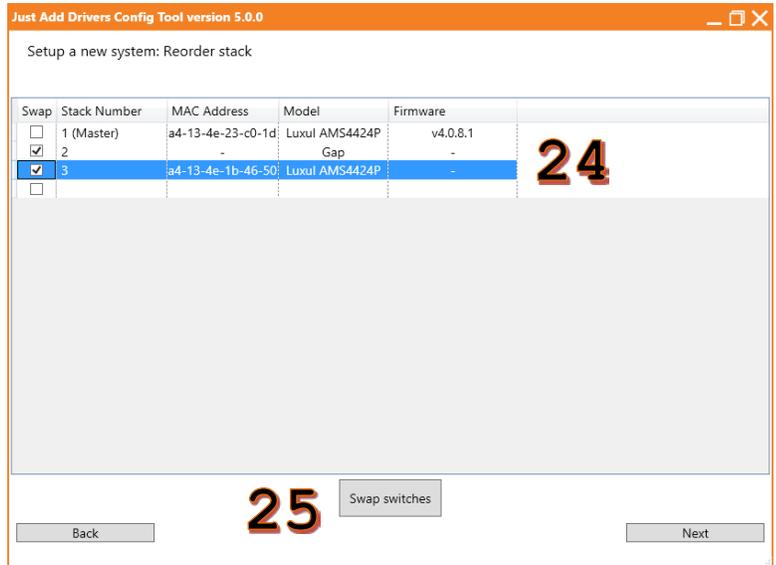
- 20. A timer will start to allow the switches to configure the stack connection. Let the timer to run to completion.
- 21. **DO NOT** select **Skip** unless the stack has already negotiated.



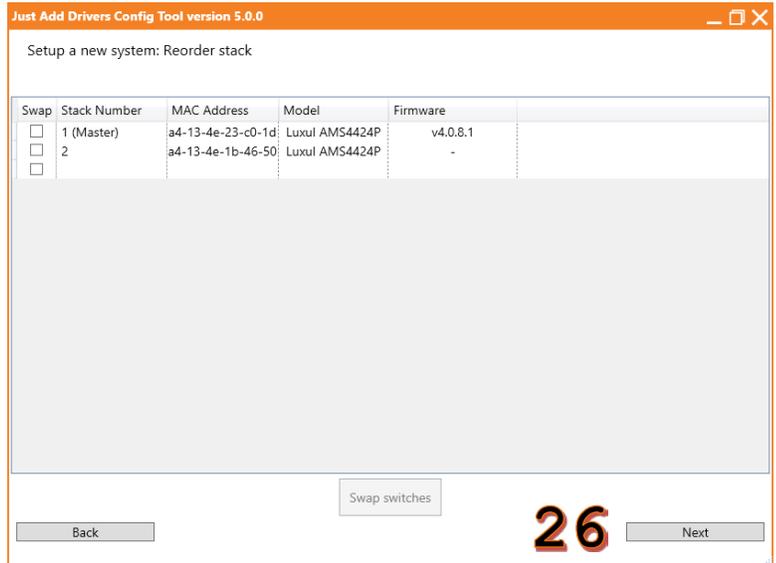
- 22. Once the timer has completed, select **Next**



- 23. The order of the switches in the stack is displayed.
- 24. If the order needs to be changed, select the two **Stack Numbers** that should be swapped.
- 25. Select **Swap switches** to change the order.



- 26. Once the switches are in the correct order, select **Next** to finish stack setup and move to [Part 3](#).



## Part 3 – System Details & Switch Configuration

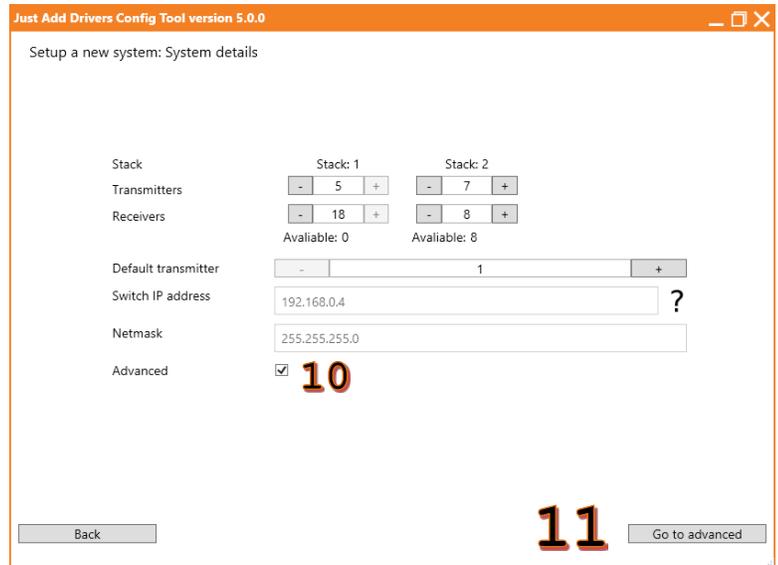
Enter the size of the system and IP addresses for the switch and Just Add Power devices.

1. Enter the number of **Transmitters**. If using a stacked system, this can be done for each switch in the stack.
2. Enter the number of **Receivers**. If using a stacked system, this can be done for each switch in the stack.
3. Enter the **Default transmitter**. This is the Transmitter that will show on all Receivers after setup is complete.
4. Enter the **Switch IP address**. This is the IP that the control system will use to switch sources. If **no router/network** was chosen, this value was entered in **Part 1**.
5. Select the **J+P LAN**. This will decide the IP addresses for the Just Add Power devices.
6. For **Advanced** options, jump to **Step 10**.

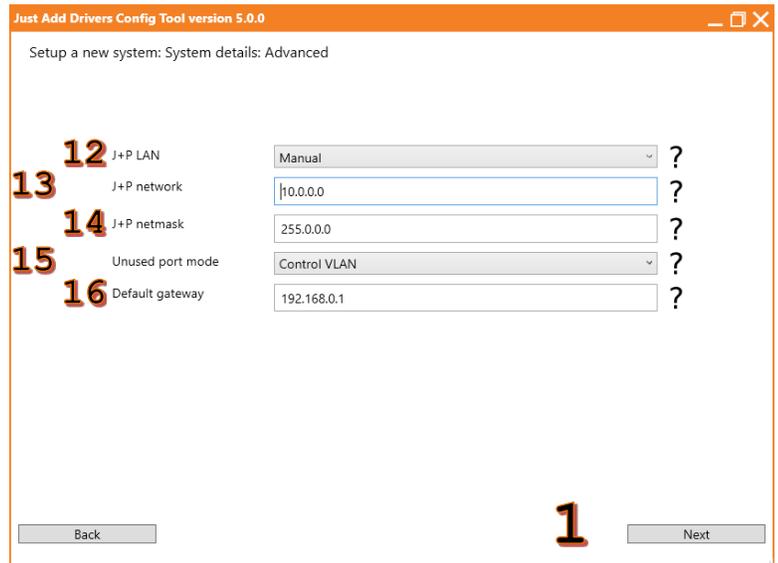
7. Once all details have been entered, select **Next**.

8. The program will check that the **Switch IP address** is available. Once it is confirmed available, all fields will fade for confirmation.
9. Select **Next** to configure the switch and jump to [Part 4](#).

10. If custom IP ranges are needed, select the **Advanced checkbox**.
11. Select **Go to advanced**.



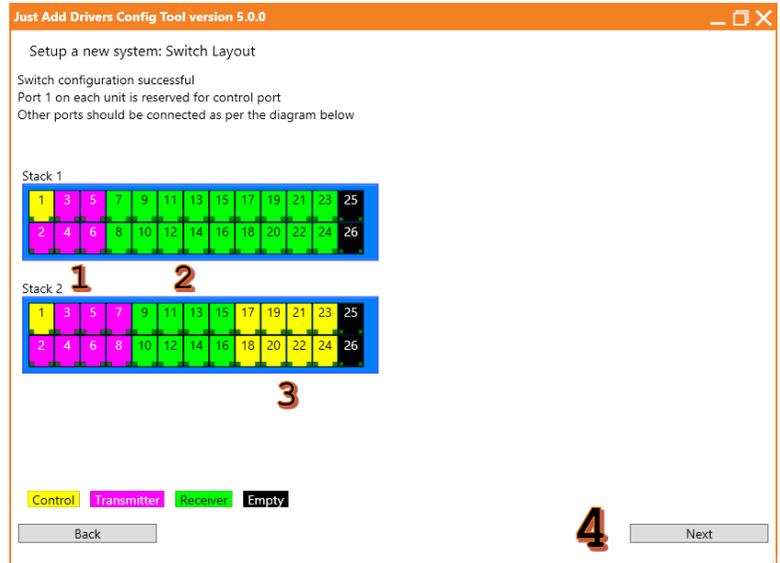
12. Select the **J+P LAN** or set to **Manual** to customize.
13. Enter the identity of the **J+P network**.
14. Enter the subnet in the **J+P netmask**.
15. Select the **Unused port mode**.
  - a. **Control VLAN** sets unused ports into VLAN 1.
  - b. **User Defined** will leave unused ports alone.
16. Enter the IP of the router in the system as the **Default gateway**.
17. Select **Next** to configure the switch and move to [Part 4](#).



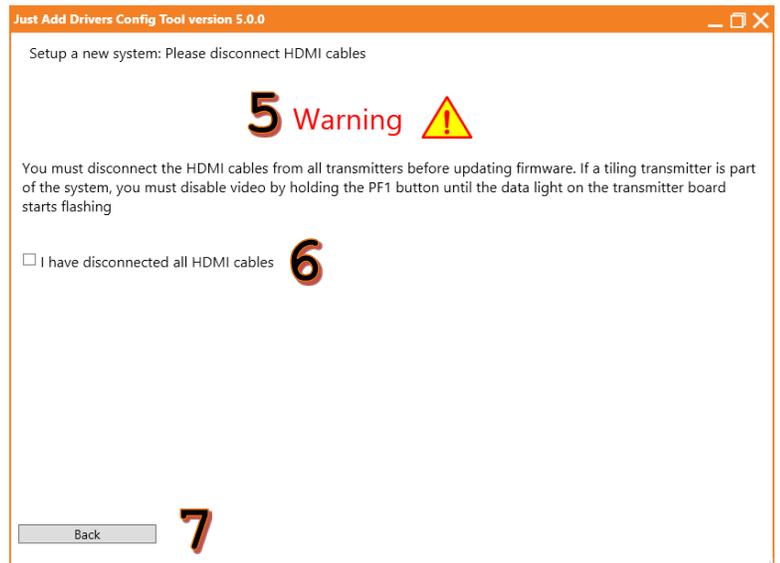
## Part 4 – Connect & Configure Devices

Connect Just Add Power devices to the switch so the program can identify them.

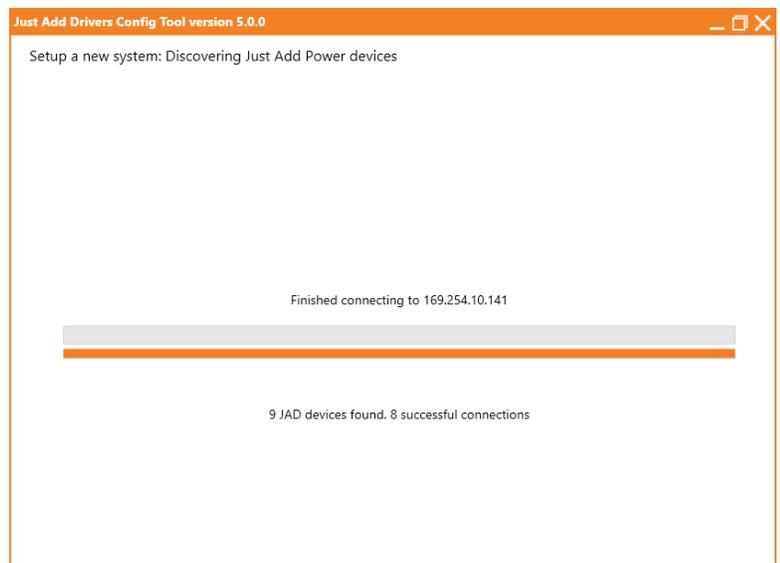
1. Connect **Transmitters** to **pink ports**. Ports may be left vacant.
2. Connect **Receivers** to **green ports**. Ports may be left vacant.
3. **Yellow ports** are for data network devices. Do not connect Transmitters and Receivers to those ports. During setup, it is recommended that nothing be attached to yellow ports except the network to port 1.
4. Select **Next**.



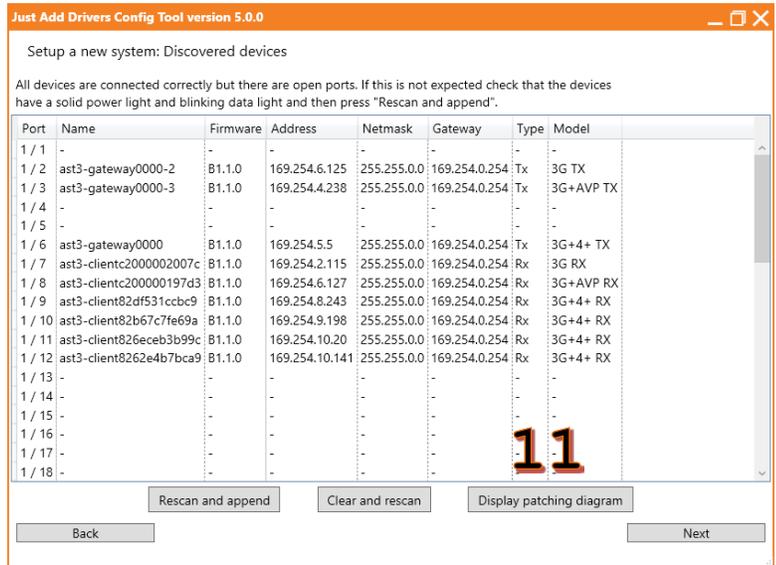
5. Confirm that HDMI are **disconnected** from all **Transmitters**. If a **Tiling Transmitter** is present, press and hold the **PF1** button until the **data light** on the Transmitter is **blinking**.
6. Check **I have disconnected all HDMI cables**.
7. Select **Next** to begin device discovery.



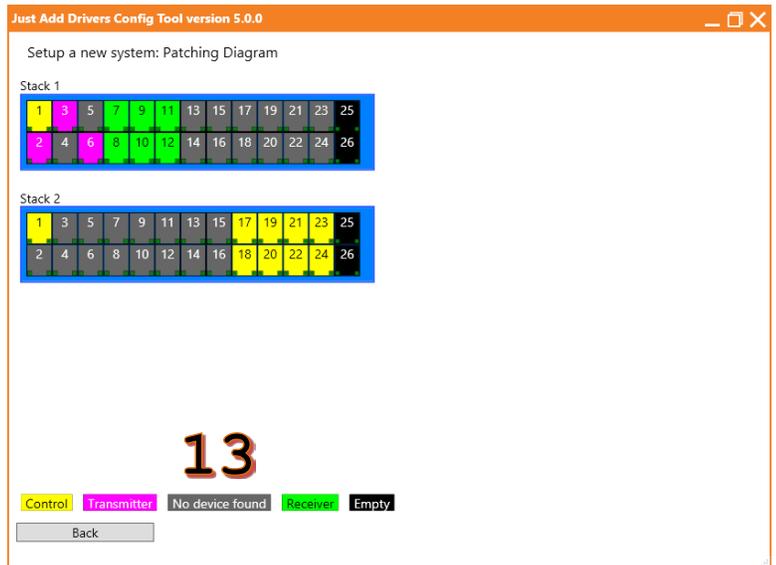
8. Please be patient as the program discovers all Just Add Power devices connected to the switch.



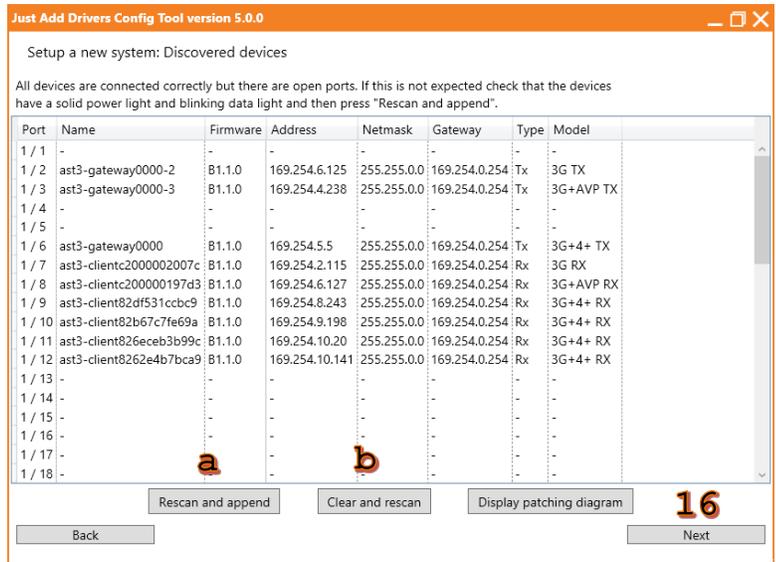
9. A list of the discovered devices and their current details:
  - a. Current firmware
  - b. Current IP address
  - c. Current netmask
  - d. Current default gateway
  - e. TX/RX
  - f. Model
10. Ports with no devices detected will have blank row entries.
11. Select **Display patching diagram** to view the port connections on the switch.



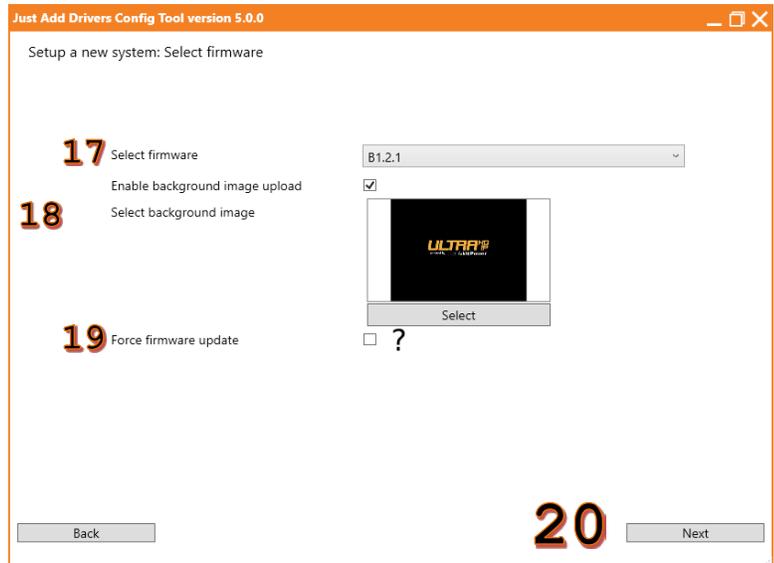
12. The **patching diagram** shows how devices are connected to the switch.
13. If a device is connected to a port with **No device found**, check that the unit is behaving properly.
14. A properly functioning unit will have a **solid Power light** and a **blinking Data light**.



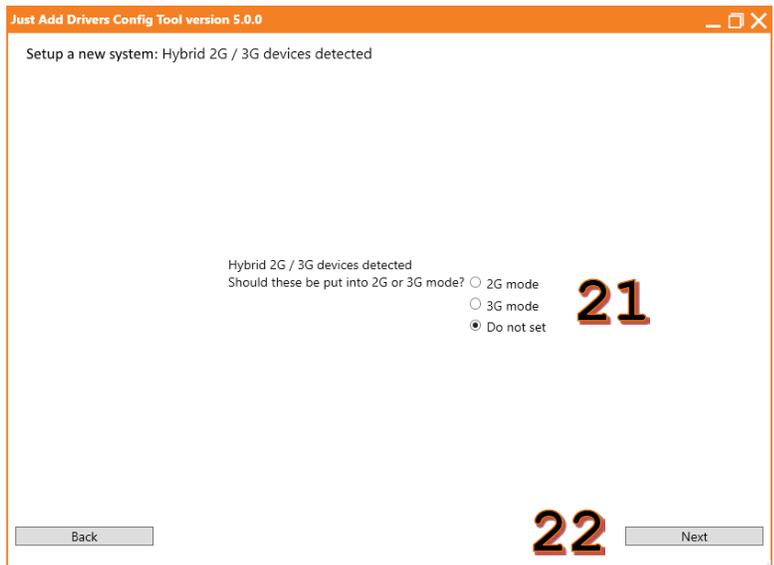
15. If not all devices were properly discovered, there are two rescan options:
  - a. Select **Rescan and append** to remember current connections and only look for new connections.
  - b. Select **Clear and rescan** to forget all connections and rediscover all ports.
16. Once all devices are discovered, select **Next**.



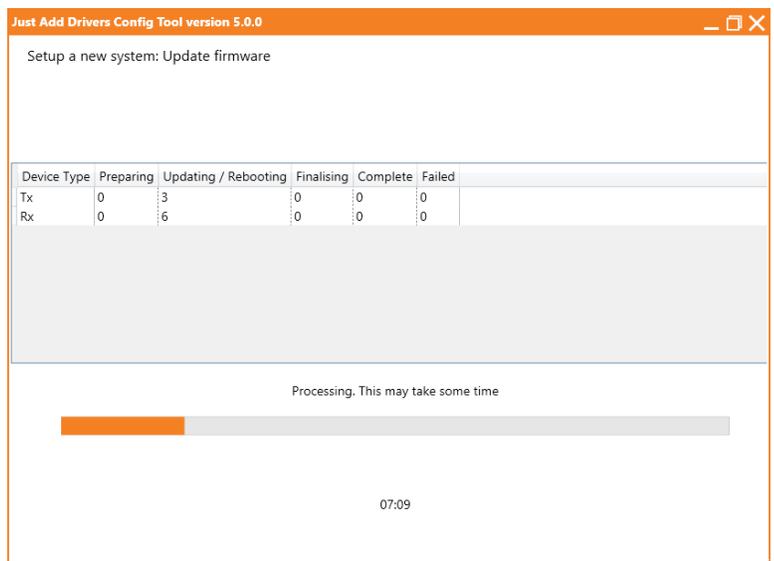
17. **Select firmware** for the system. Newest firmware is always recommended.
18. To change the background image on the Receivers:
  - a. Check **Enable background image upload**
  - b. **Select background image** and navigate to a .jpg image file that is **1MB** or smaller. The image will be displayed at **640x480**.
19. **DO NOT Force firmware update** unless specifically told by technical support personnel.
20. Select **Next**.



21. If the system has 2G/3G devices present, choose the **Mode**:
  - a. **2G mode** makes 2G/3G and 3G devices compatible with 2G devices
  - b. **3G mode** makes 2G/3G and 3G devices compatible with other 2G/3G and 3G devices
  - c. **Do not set** does not alter the mode setting on devices. **This is the recommended setting.**
22. Select **Next**.

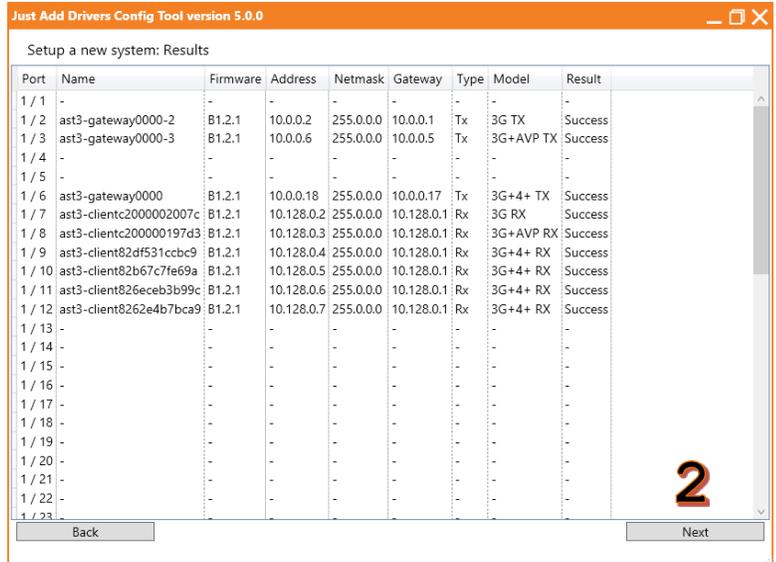


23. Device settings will be applied and firmware will be updated to the selected version. Please be patient, as this process will take several minutes. Move to **Part 5**.

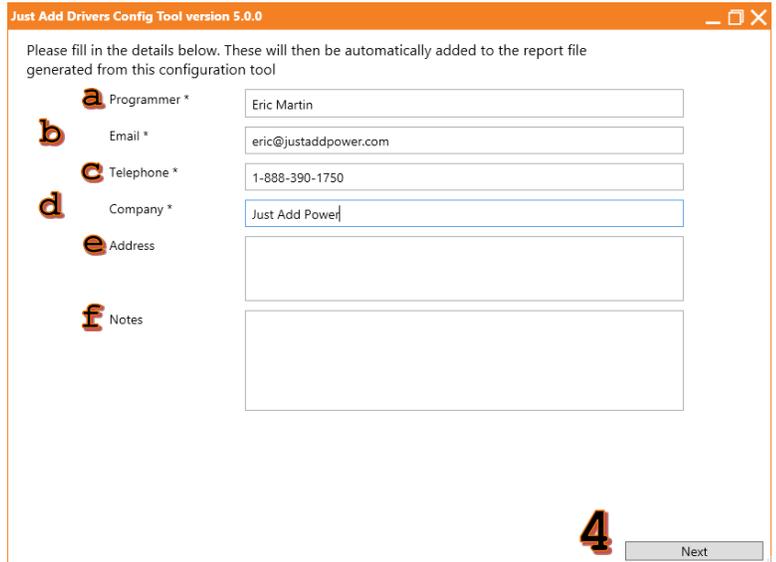


Part 5 – Save Report File & Finish

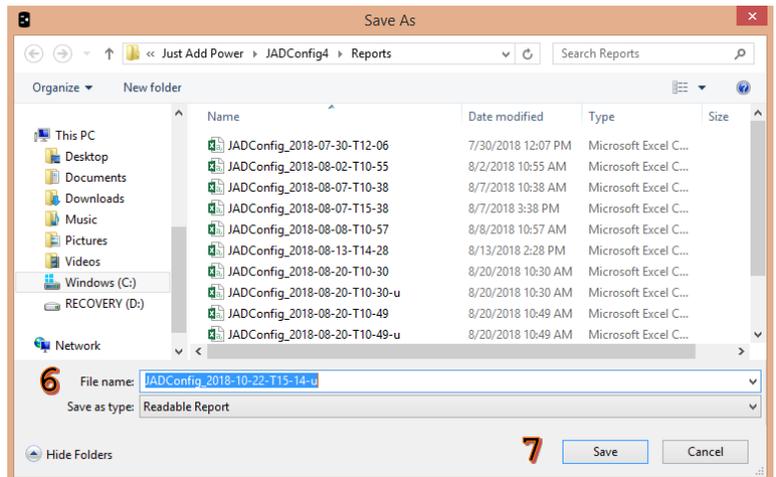
1. When configuration and firmware update are finished, a list of the configured devices is displayed.
2. Select **Next**.



3. Input **Company Details**:
  - a. **Programmer Name\*** - mandatory
  - b. **Email\*** - mandatory
  - c. **Telephone\*** - mandatory
  - d. **Company Name\*** - mandatory
  - e. **Address**
  - f. **Notes**
4. Select **Next**.



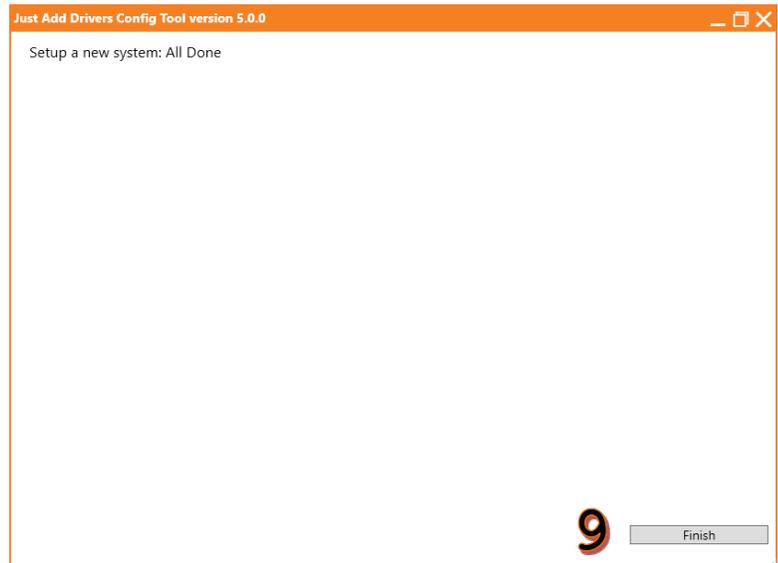
5. Choose a location to save the JADConfig Report File
6. Name the **Report File**. The default name is the date and time that the program was run.
7. Select **Save**.



8. The JADConfig Report File lists all information about the system:
- Switch Model
  - Switch IP
  - Number of Transmitters & Receivers
  - Static Route Information
  - Device Information

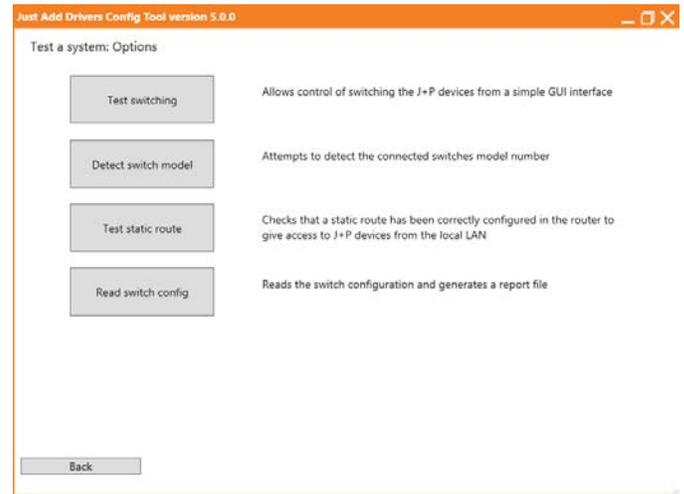
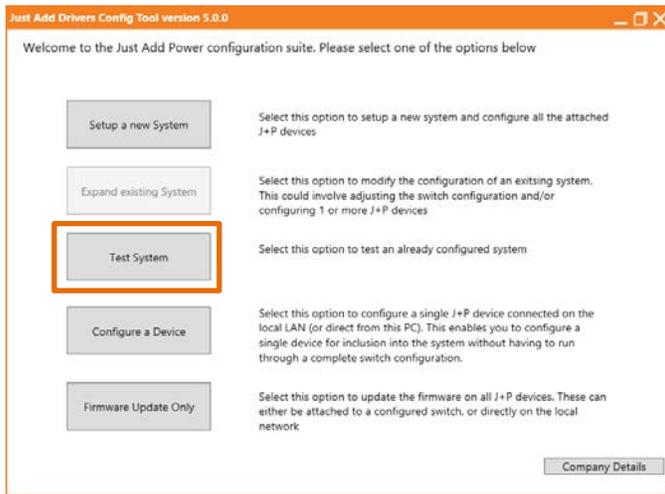
System Details							
Date and Time:	04:10PM	Wed	24 Oct	2018			
Switch family:	<b>a</b> Luxul	AMS4424P					
Username:	admin						
Password:	admin						
Switch IP:	<b>b</b> 192.168.0.4	255.255.255.0					
Default Gateway:	192.168.0.1						
Number of Transmitters:	<b>c</b>	4					
Number of Receivers:	7						
Static Route Information for Router:	Network:	10.0.0.0	Netmask:	255.0.0.0	Gateway:	192.168.0.4	<b>d</b>
Stack Configuration							
SID 1	a4-13-4e-23-c0-1d						
SID 2	a4-13-4e-1b-46-50						
=====							
Stack;Port	<b>e</b> Configuration	MAC Address	IP Address	Netmask	Gateway	Model	Firmware
1;1	Control	-	-	-	-	-	-
1;2	Transmitter 1	c2:00:00:01:e4:95	10.0.0.2	255.0.0.0	10.0.0.1	3G TX	B1.2.1
1;3	Transmitter 2	c2:00:00:02:46:c3	10.0.0.6	255.0.0.0	10.0.0.5	3G+AVP TX	B1.2.1
1;4	Transmitter 3	02:97:4b:c9:23:30	10.0.0.10	255.0.0.0	10.0.0.9	3G+4+ TX	B1.2.1
1;5	Receiver 1	c2:00:00:02:00:7c	10.128.0.2	255.0.0.0	10.128.0.1	3G RX	B1.2.1
1;6	Receiver 2	c2:00:00:01:97:d3	10.128.0.3	255.0.0.0	10.128.0.1	3G+AVP RX	B1.2.1
1;7	Receiver 3	82:df:53:1c:cb:c9	10.128.0.4	255.0.0.0	10.128.0.1	3G+4+ RX	B1.2.1
1;8	Receiver 4	82:b6:7c:7f:e6:9a	10.128.0.5	255.0.0.0	10.128.0.1	3G+4+ RX	B1.2.1
1;9	Receiver 5	82:6e:ce:b3:b9:9c	10.128.0.6	255.0.0.0	10.128.0.1	3G+4+ RX	B1.2.1
1;10	Receiver 6	82:62:e4:b7:bca9	10.128.0.7	255.0.0.0	10.128.0.1	3G+4+ RX	B1.2.1
1;11	Control	-	-	-	-	-	-
1;12	Control	-	-	-	-	-	-
1;13	Control	-	-	-	-	-	-
1;14	Control	-	-	-	-	-	-

9. The program has finished. Select **Finish** to return to the main menu.



# Test System

Tests the functionality of a system that has already been configured with JADConfig.

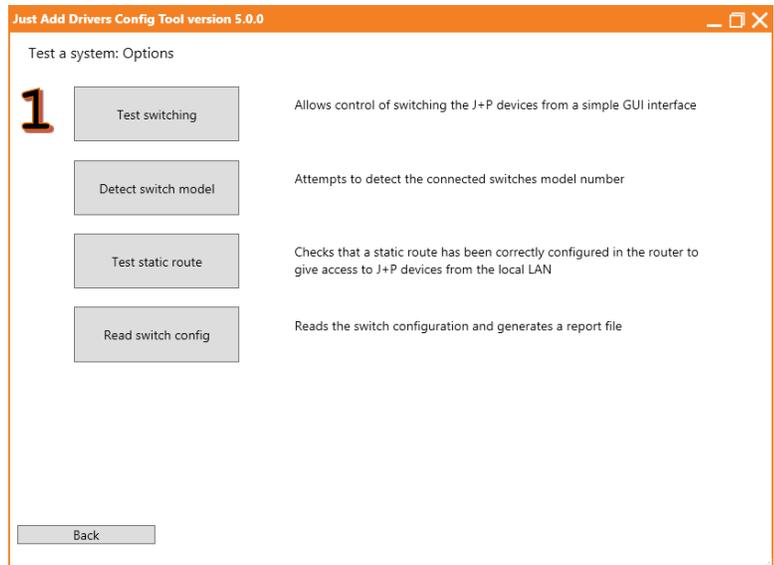


Test System has 4 functions:

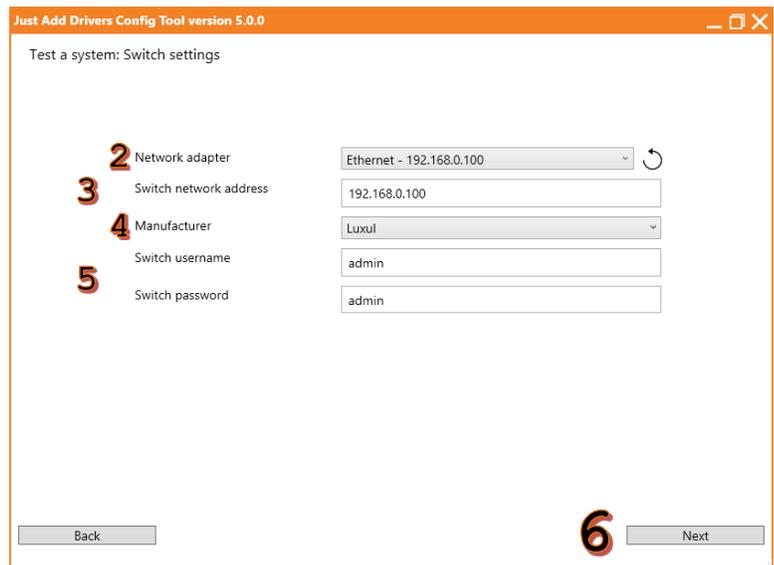
1. [Test Switching](#)
2. [Detect Switch Model](#)
3. [Test Static Route](#)
4. [Read Switch Config](#)

# Test Switching

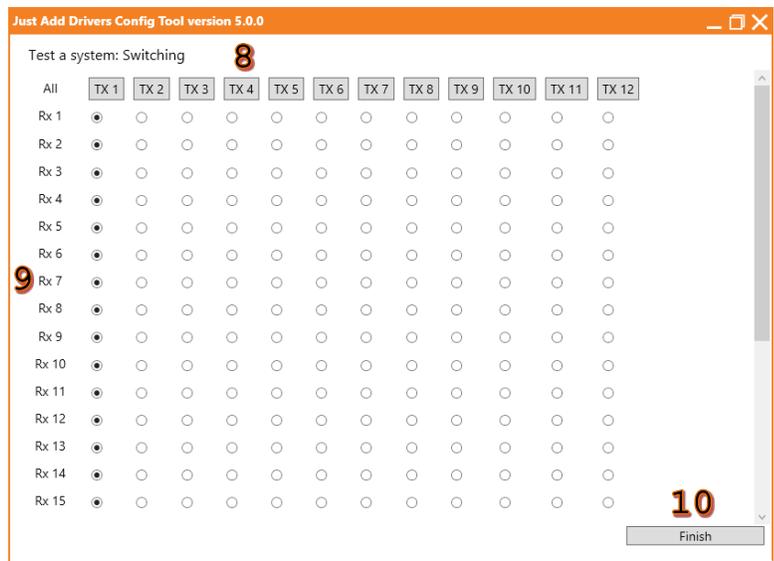
1. Select **Test switching**.



2. Select the **Network adapter**. Prefer wired connection.
3. Enter the **Switch network address**. This must be a unique IP on the network.
4. Select the switch **Manufacturer**.
5. The **Switch username** and **Switch password** will auto-fill. If the values are different than default, enter the current username and password.
6. Select **Next**.

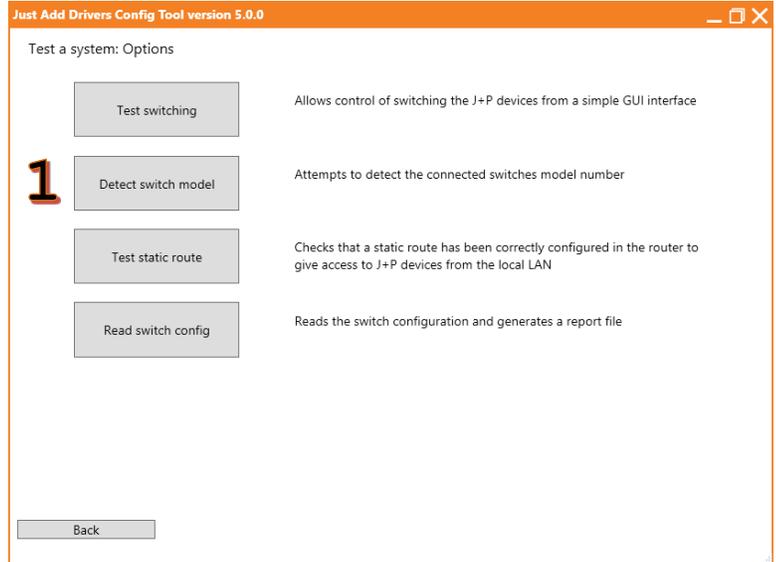


7. The program will interrogate the switch and display a switching matrix.
8. Select the **TX #** button to switch all displays to the same source.
9. Select a **radio button** to set a Receiver to watch a specific Transmitter.
10. Select **Finish** when done.

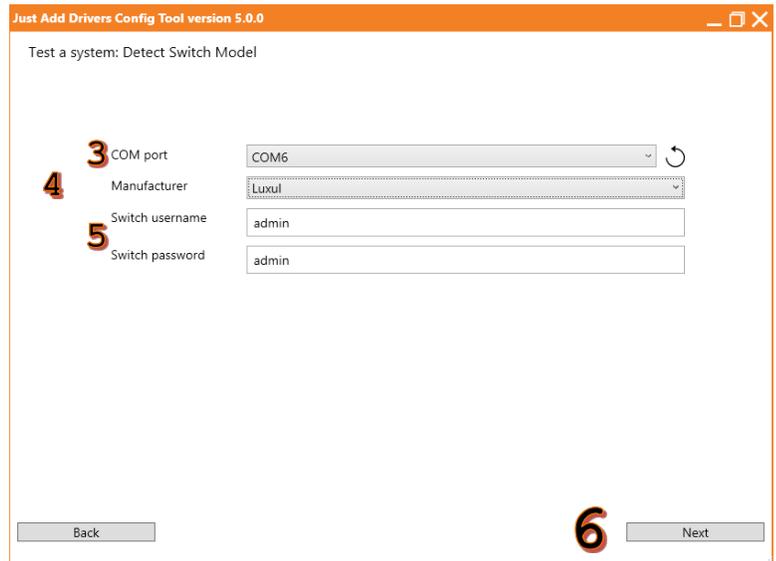


# Detect Switch Model

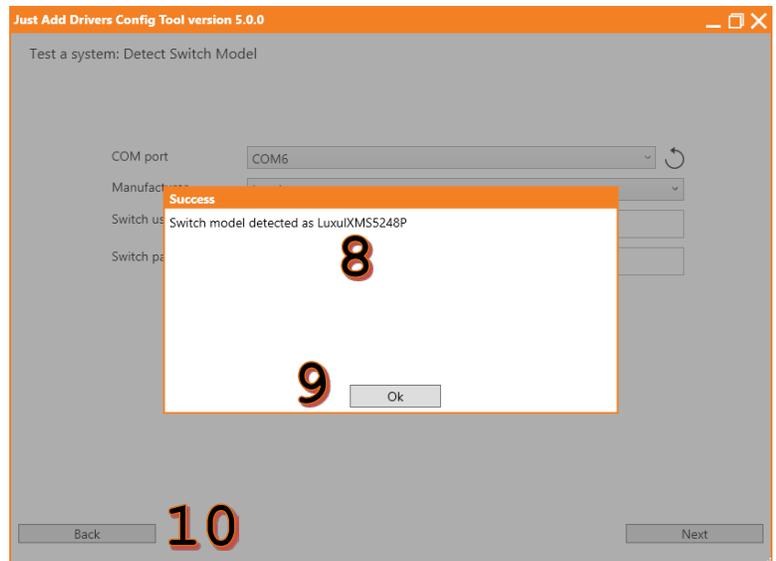
1. Select **Detect switch model**.



- 2. Connect the PC to the switch with a serial (console) cable.
- 3. Select the **COM port** for the serial cable.
- 4. Select the switch **Manufacturer**.
- 5. The **Switch username** and **Switch password** will auto-fill. If the values are different than default, enter the current username and password.
- 6. Select **Next**.

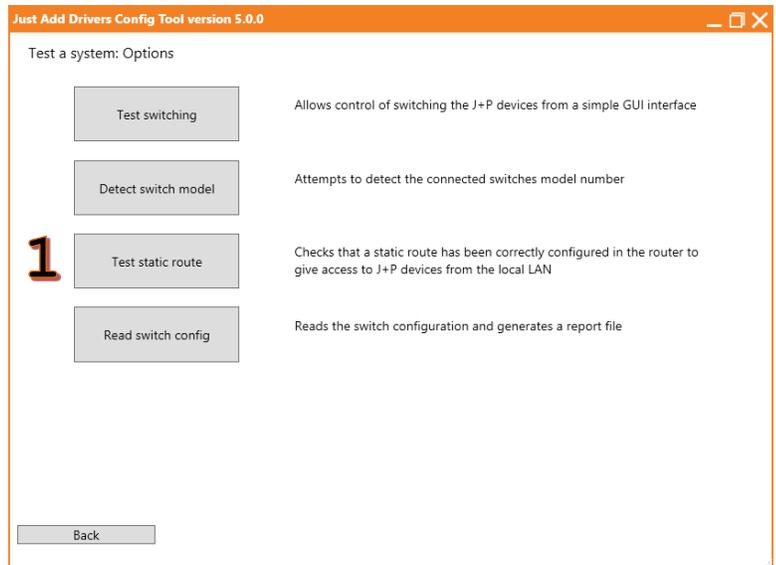


- 7. Allow the program to interrogate the switch.
- 8. When finished, the model number will show in a popup.
- 9. Select **OK** to close the popup.
- 10. Select **Back** to return to the Test submenu.

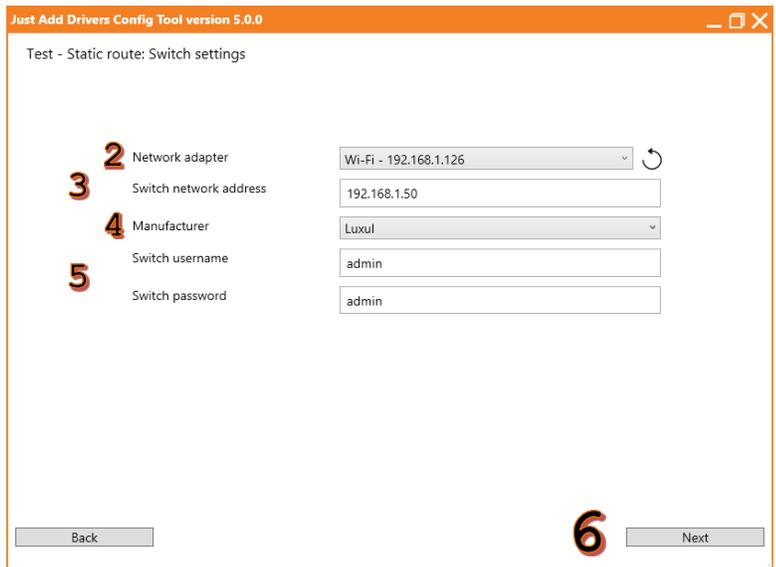


# Test Static Route

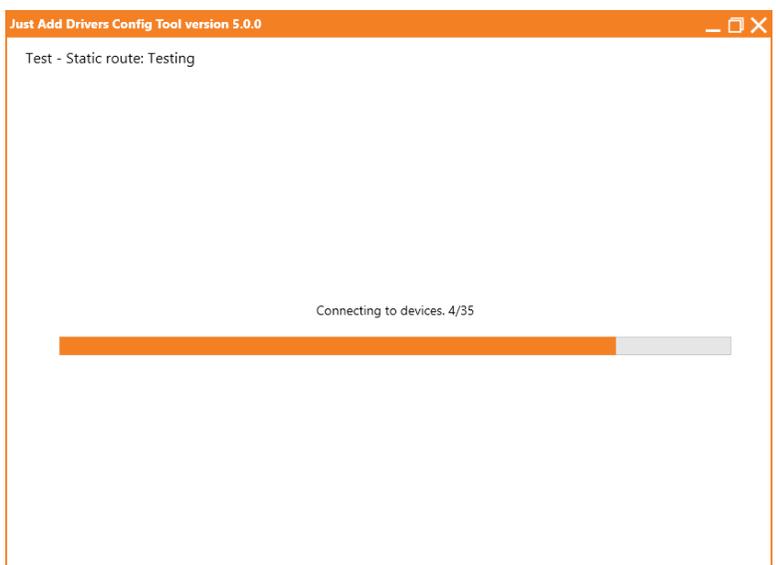
1. Select **Test static route**.



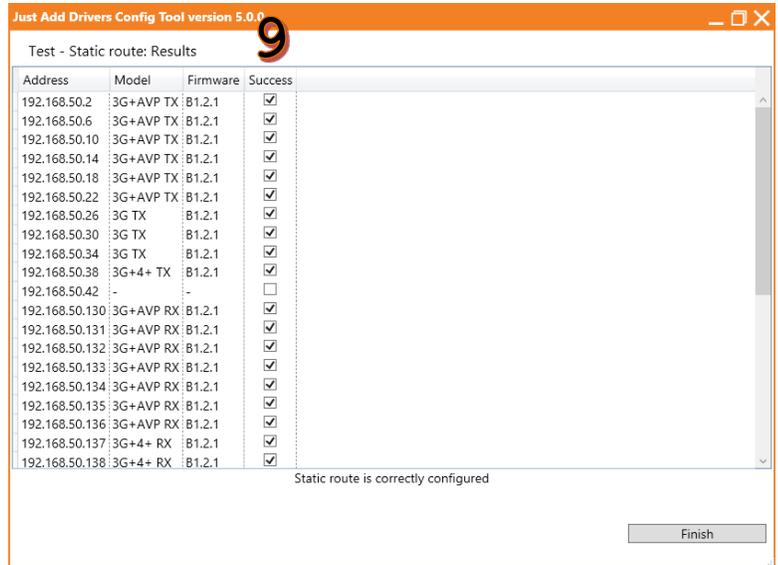
2. Select the **Network adapter**.
3. Enter the **Switch network address**.
4. Select the switch **Manufacturer**.
5. The **Switch username** and **Switch password** will auto-fill. If the values are different than default, enter the current username and password.
6. Select **Next**.



7. Allow the program to interrogate the switch for device information and attempt to contact active Just Add Power devices.



8. The result of the test is displayed.
9. If the **Static Route** is properly configured, all active devices will be identified and have **Success** marked.

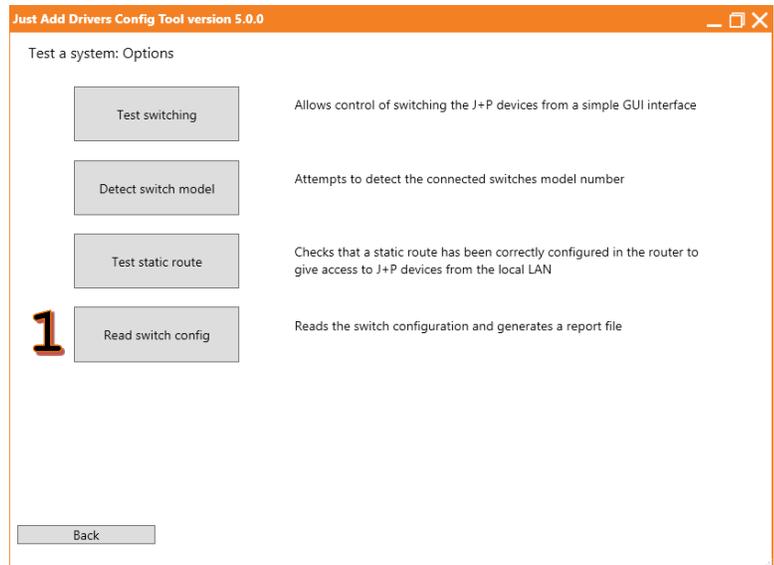


10. If the **Static Route** is not properly configured or there are other network settings that are preventing access, no devices will have **Success** marked. Text at the bottom will give suggestions as to why the devices were unreachable.
11. The information for the **Static Route** can be found on the **Report File**. If the **Report File** is unavailable, use the **Read Switch Config** function to generate a new one.
12. Select **Finish** when done.

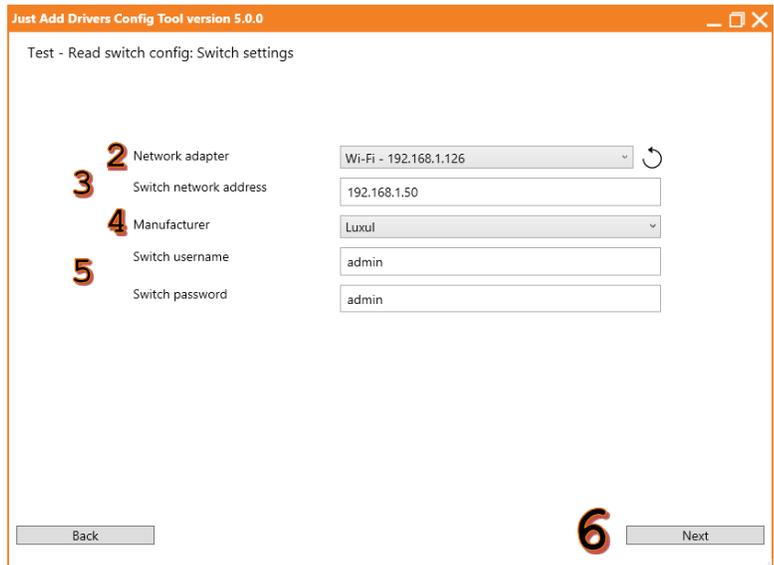


# Read Switch Config

1. Select **Read switch config**.

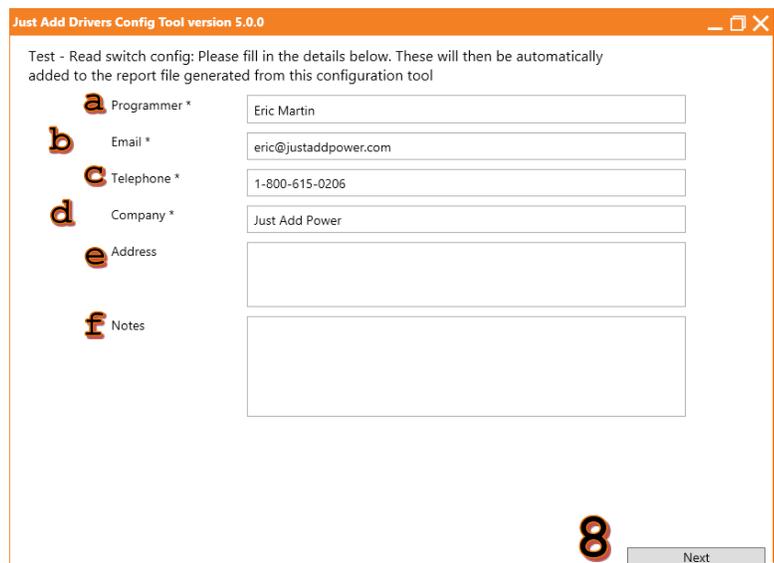


2. Select the **Network adapter**.
3. Enter the **Switch network address**.
4. Select the switch **Manufacturer**.
5. The **Switch username** and **Switch password** will auto-fill. If the values are different than default, enter the current username and password.
6. Select **Next**.

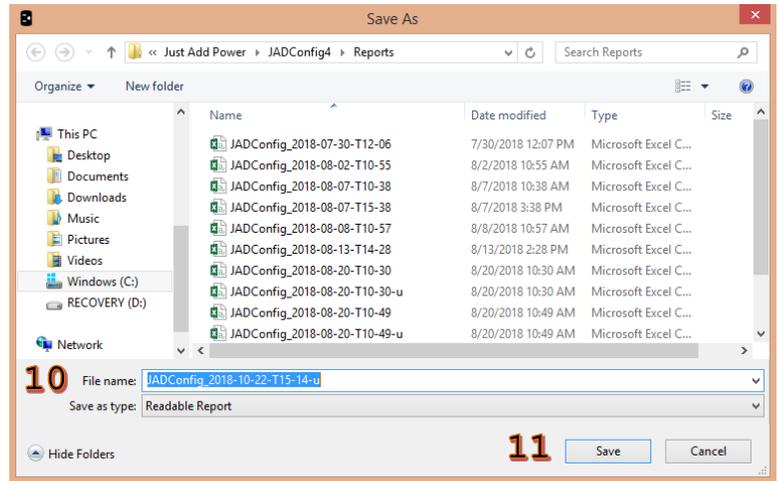


7. Input **Company Details**:
  - a. **Programmer Name\*** - mandatory
  - b. **Email\*** - mandatory
  - c. **Telephone\*** - mandatory
  - d. **Company Name\*** - mandatory
  - e. **Address**
  - f. **Notes**

8. Select **Next**.



9. Choose a location to save the **JADConfig Report File**.
10. Name the **Report File**. The default name is the date and time that the program was run.
11. Select **Save**.

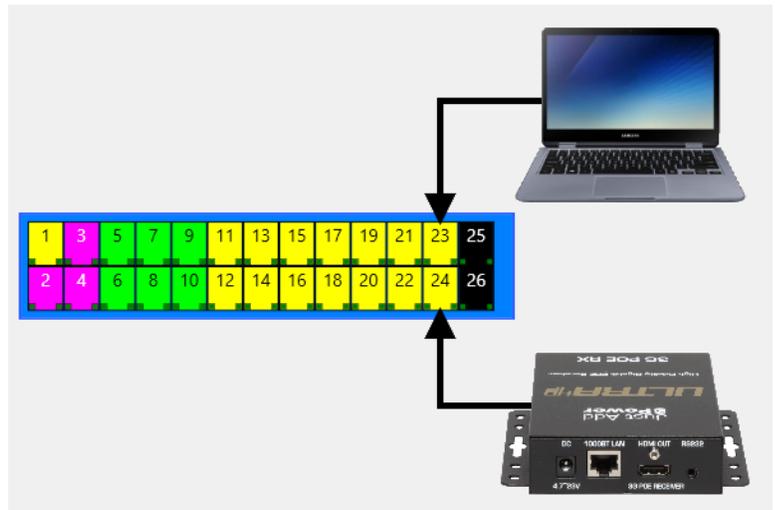


12. Select **Finish** to return to the main menu.

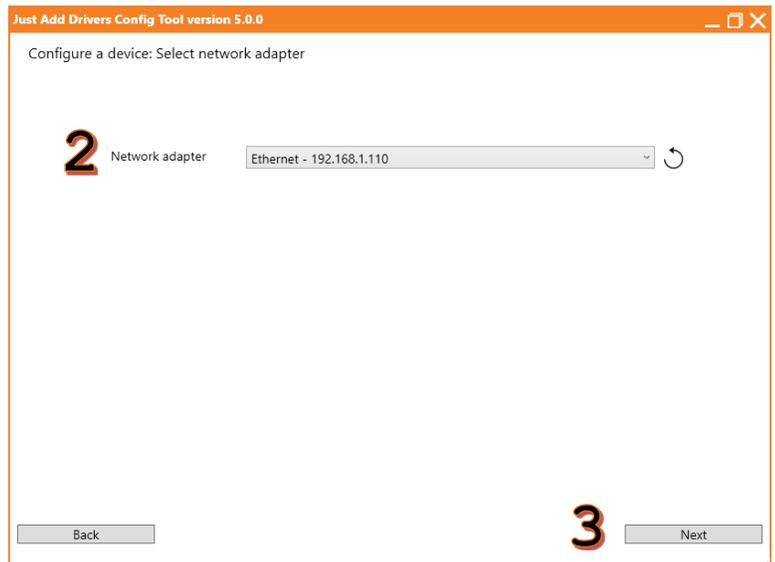


# Configure a Device

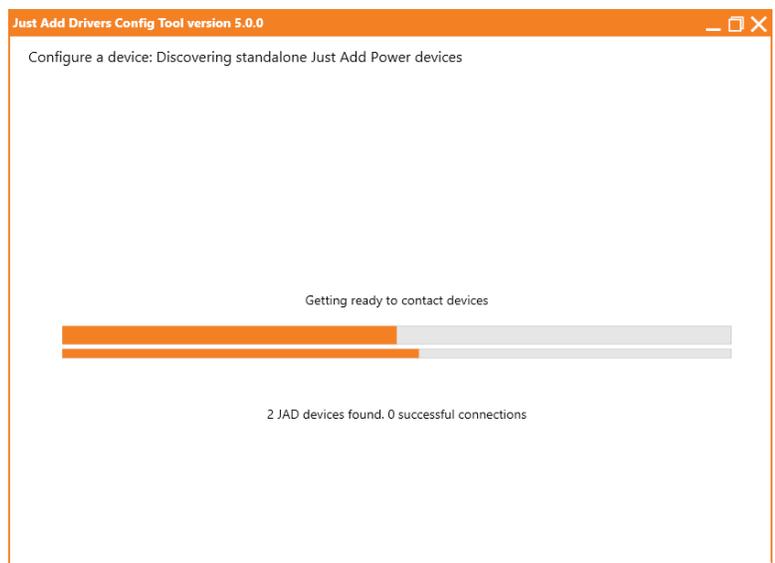
1. Connect the PC running JADConfig and the Just Add Power devices to **data network** ports. These can be data ports on the JADConfig switch or a standard data port on another switch in the network. The discovery process looks for **local network devices** only.



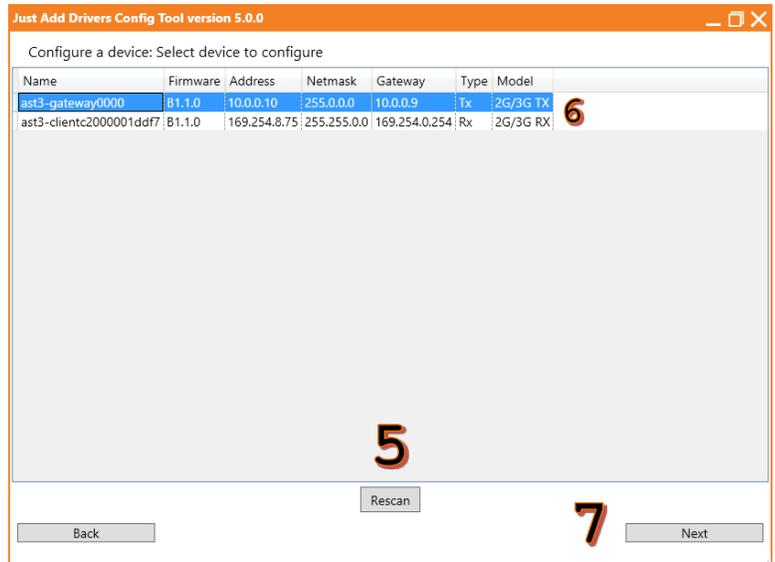
2. Select the **Network adapter**. Wired network adapter recommended.
3. Select **Next**.



4. The program will search for Just Add Power devices on the **local network**. Discovered devices are interrogated for their current settings.



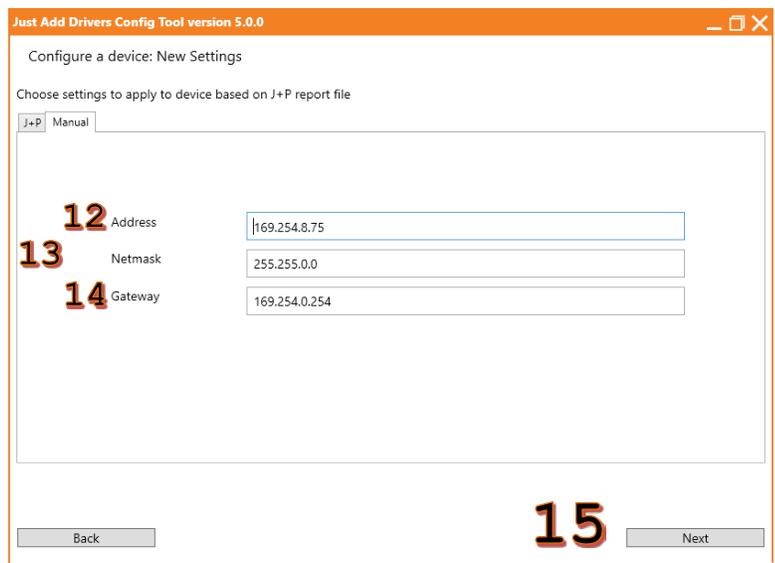
5. If the device was not discovered, select **Rescan**.
6. Select the device to be configured.
7. Select **Next**.



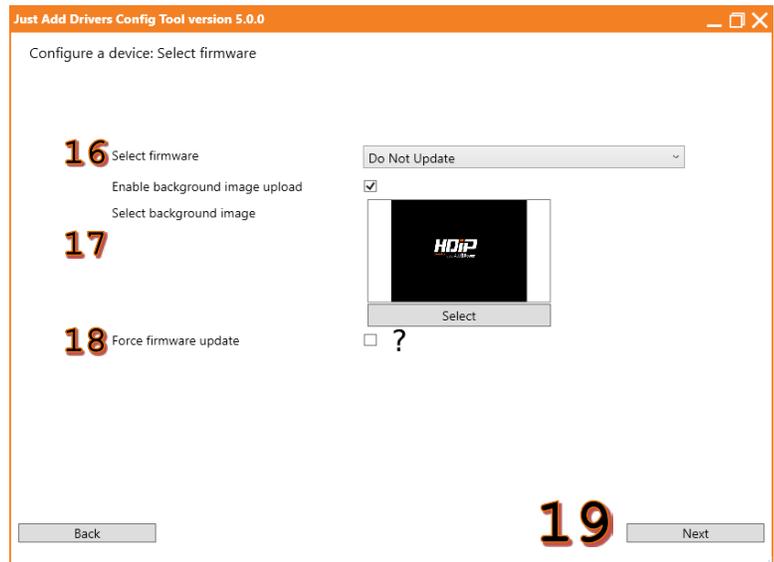
8. Select the **J+P Lan**.
9. Set the **Tx / Rx number**.
10. Select **Next** and jump to **Step 16**.
11. If the device IP needs a manual setting, select the **Manual** tab and go to **Step 12**.



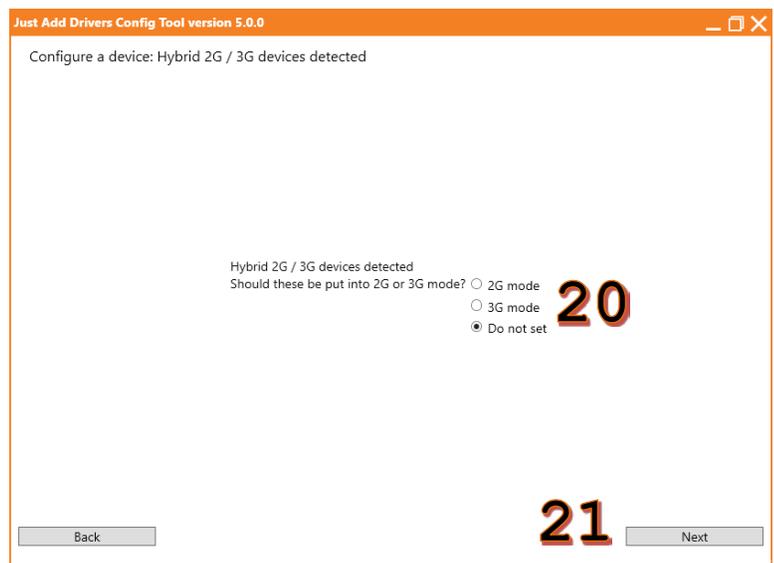
12. Enter the **Address**.
13. Enter the **Netmask**.
14. Enter the **Gateway**.
15. Select **Next**.



16. **Select firmware** to be loaded. Options are the latest firmware versions plus:
  - a. Do Not Update – config only
  - b. User Selected – choose a firmware file
17. To change the background image, check **Enable background image upload** and **Select background image**.
18. Do **NOT** check **Force firmware update** unless specifically told to do so by **Technical Support**.
19. Select **Next**.



20. If the device being configured is a 2GΩ/3G or 3G unit, select the **Mode** for the device.
  - a. A unit in **2G Mode** can communicate with 2G devices and other units in 2G Mode.
  - b. A unit in **3G Mode** can communicate with other units in 3G Mode.
21. Select **Next** to begin configuration.



22. After the device is configured, the results are displayed.
23. Select **Configure another device** to return to **Step 6**.
24. Select **Finish** to return to the **Main Menu**.



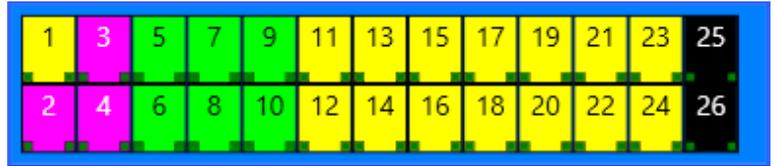
# Firmware Update Only

Firmware Update Only will update all Just Add Power devices simultaneously. There are two methods:

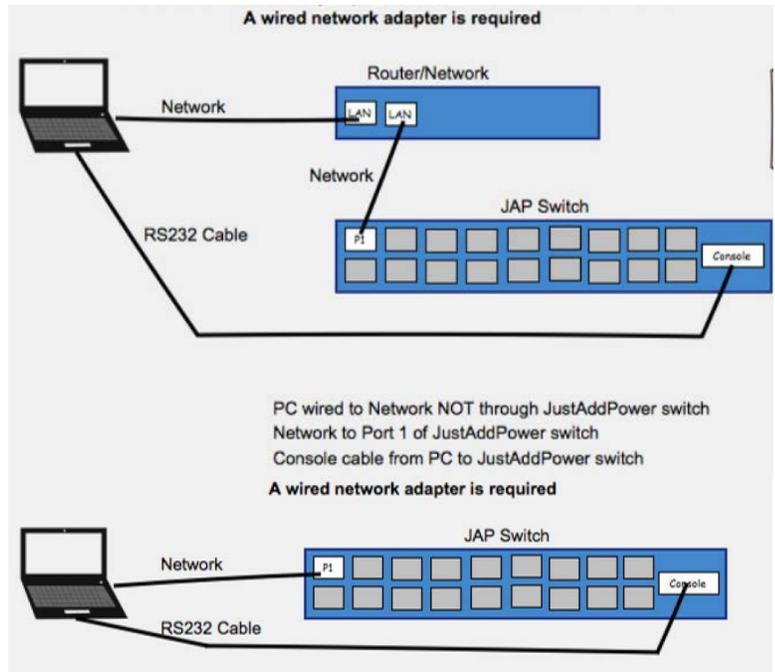
1. [JADConfig Option #1](#) – Update firmware on all Just Add Power devices in a configured system, but a static route **DOES NOT EXIST**. This method requires a serial connection from the PC to the switch and a wired network connection from the PC to switch port 1.
2. JADConfig Option #2 – Update firmware on all Just Add Power devices in a configured system where a static route **EXISTS**. This option requires a wired network connection to the same network as the Just Add Power system.
3. [Standalone](#) – Update firmware on all Just Add Power devices present on the local network and **NOT** part of a JADConfig system. This method requires a wired network connection from the PC to the same network that the Just Add Power devices are on.

# JADConfig Option #1

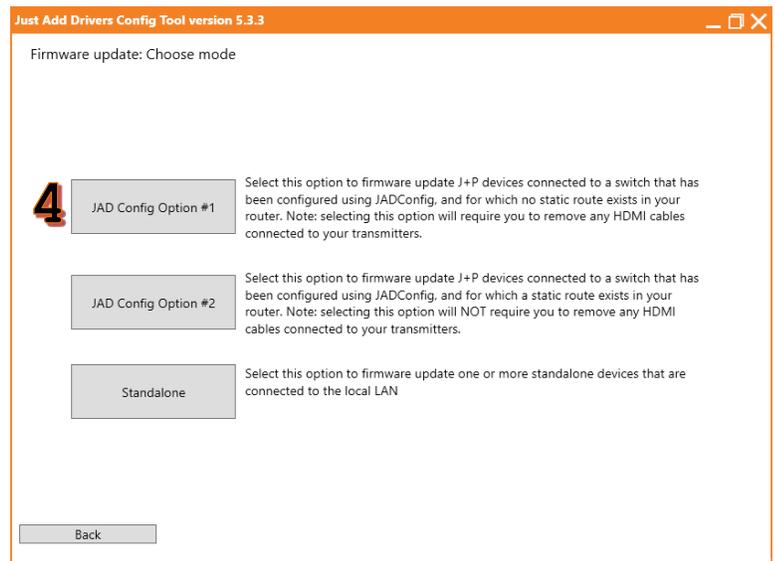
1. To use **Firmware Update: JADConfig Option #1** the switch must have been previously configured with JADConfig. Just Add Power devices attached to Transmitter and Receiver ports will be updated.



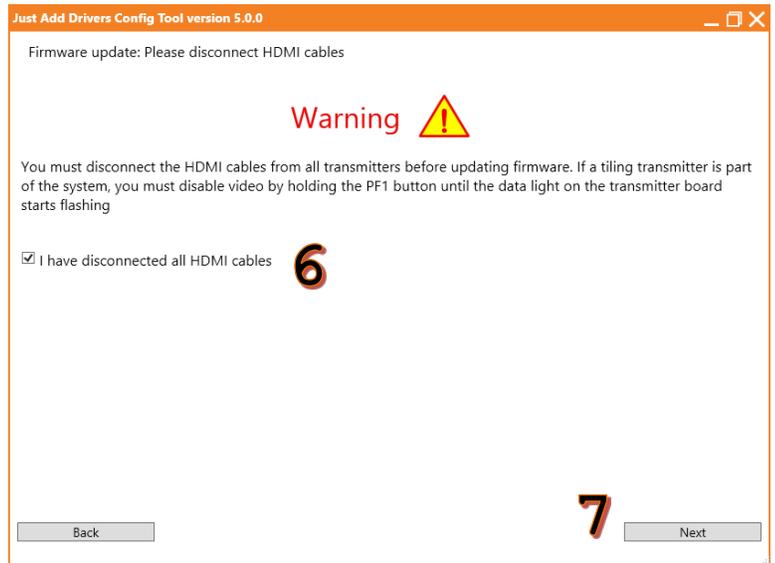
2. Connect the PC to the console port of the switch.
3. Connect the PC to port 1 of the switch, either through a network or directly from the PC to port 1.



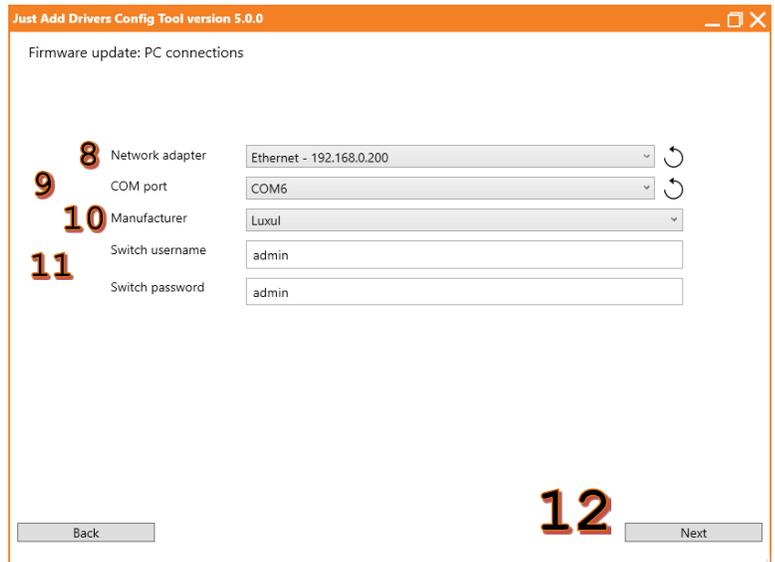
4. Select **JADConfig Option #1**



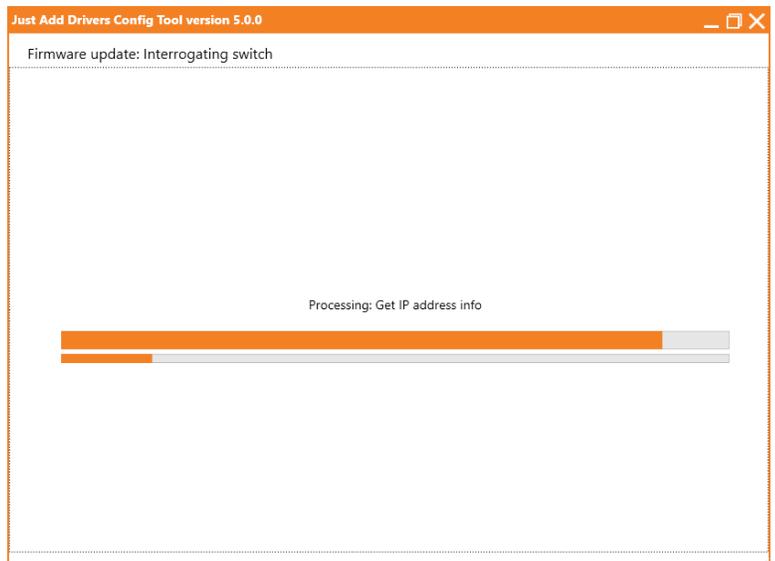
5. **Disconnect** HDMI cables from all **Transmitters**. If there is a Tiling Transmitter, press and hold **PF1** until the data light on the TX board blinks.
6. Check the box for **I have disconnected all HDMI cables**.
7. Select **Next**.



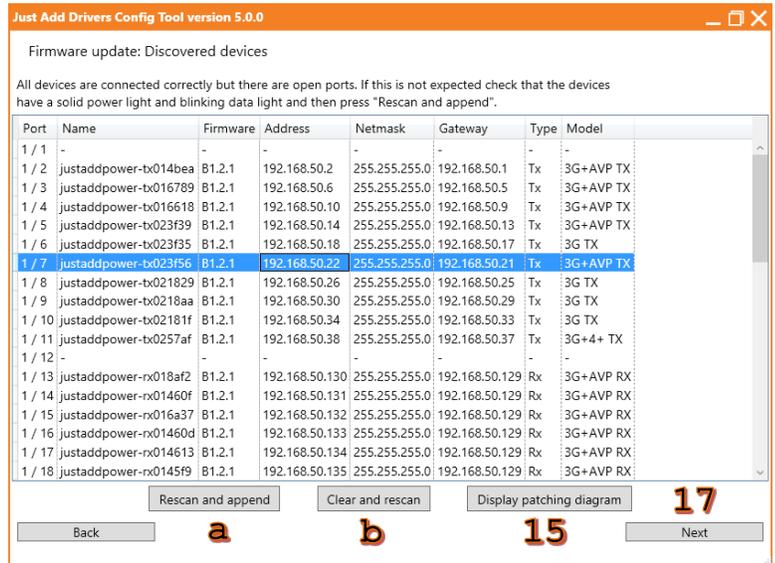
8. Select the **Network adapter**.
9. Select the **COM port**.
10. Select the switch **Manufacturer**.
11. The **Switch username** and **Switch password** will auto-fill. If the values are different than default, enter the current username and password.
12. Select **Next**.



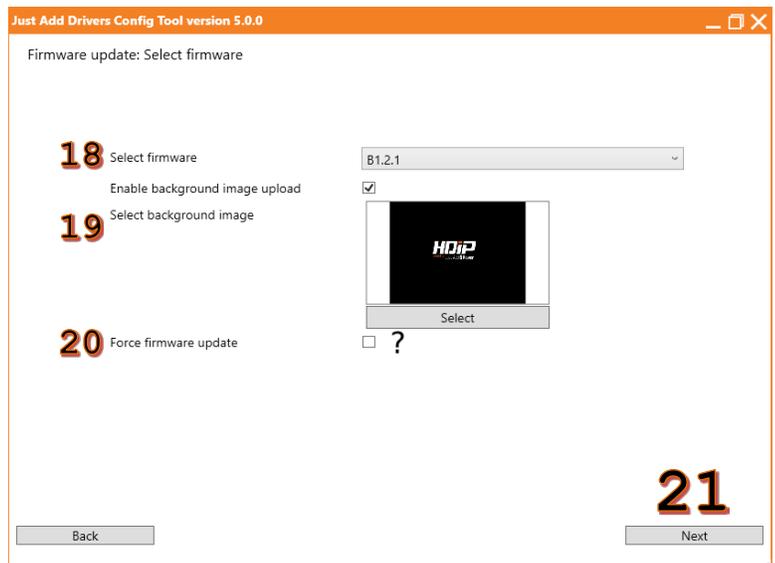
13. The program will interrogate the switch and discover all active Just Add Power devices. Please be patient.



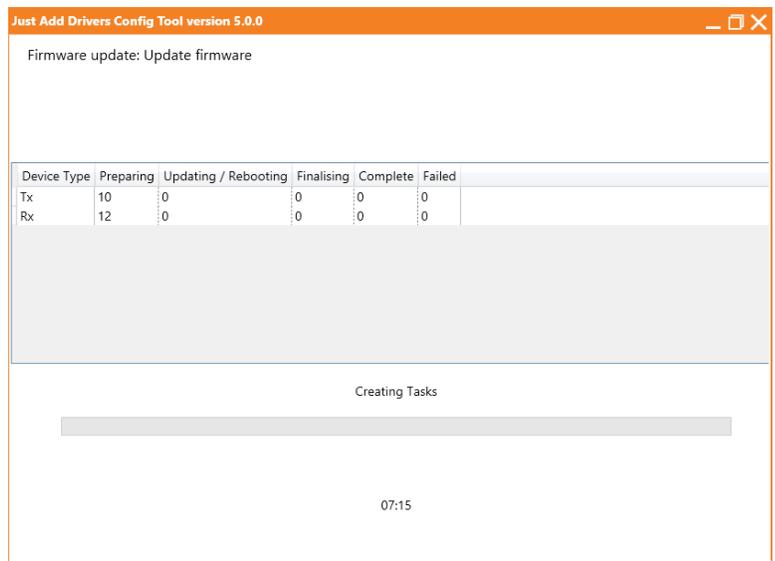
14. A list of the discovered devices and their current details is displayed.
15. (optional) Select **Display patching diagram** to view the port connections on the switch.
16. If not all devices were properly discovered, there are two rescan options:
  - a. Select **Rescan and append** to remember current connections and only look for new connections.
  - b. Select **Clear and rescan** to forget all connections and rediscover all ports.
17. Once all devices are discovered, select **Next**.



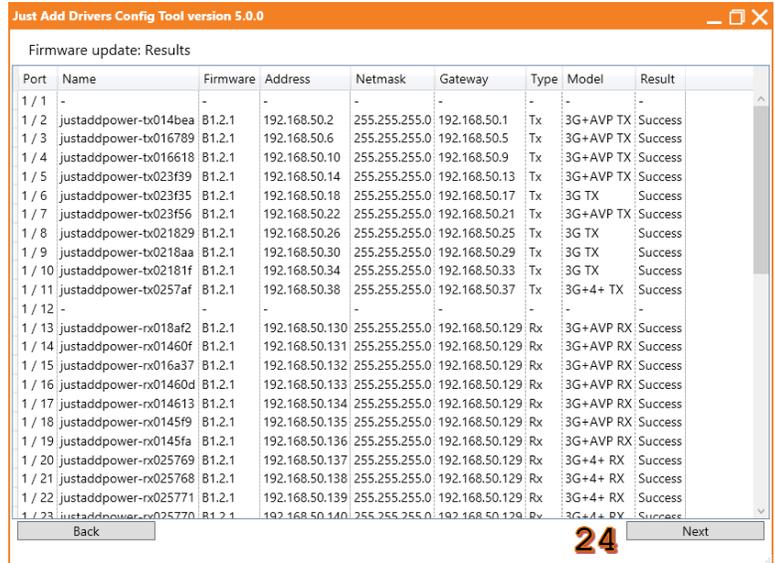
18. Select **firmware** to be loaded.
19. To change the background image, check **Enable background image upload** and **Select background image**.
20. Do **NOT** check **Force firmware update** unless specifically told to do so by **Technical Support**.
21. Select **Next**.



22. Firmware will be updated to the selected version. Please be patient, as this process will take several minutes.



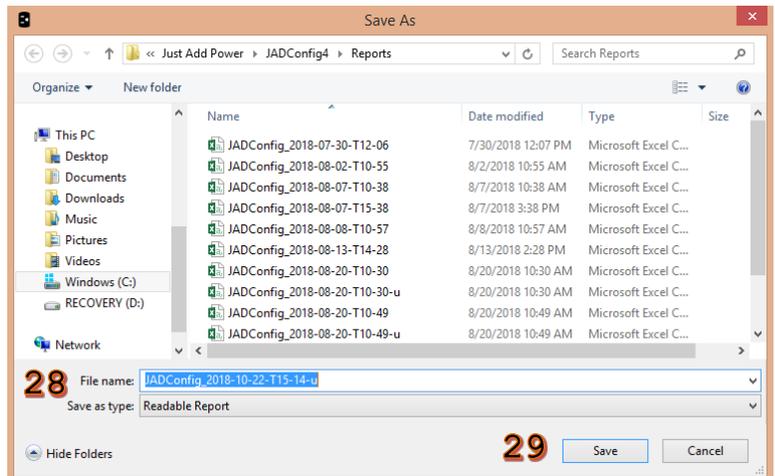
23. When configuration and firmware update are finished, a list of the devices is displayed.
24. Select **Next**.



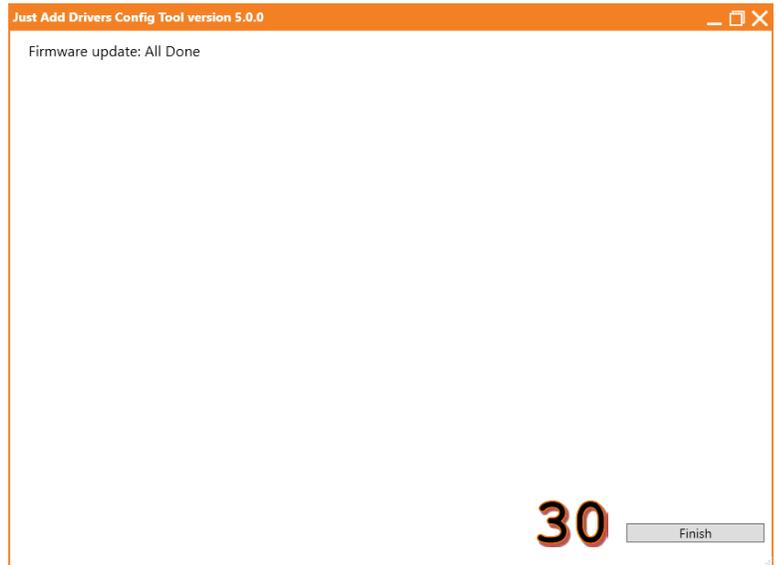
25. Input **Company Details**:
  - a. **Programmer Name\*** - mandatory
  - b. **Email\*** - mandatory
  - c. **Telephone\*** - mandatory
  - d. **Company Name\*** - mandatory
  - e. **Address**
  - f. **Notes**
26. Select **Next**.



27. Choose a location to save the JADConfig Report File
28. Name the **Report File**. The default name is the date and time that the program was run.
29. Select **Save**.

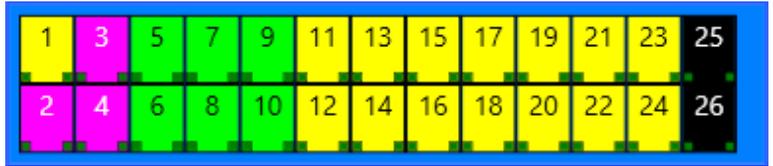


30. Select **Finish** to return to the main menu.

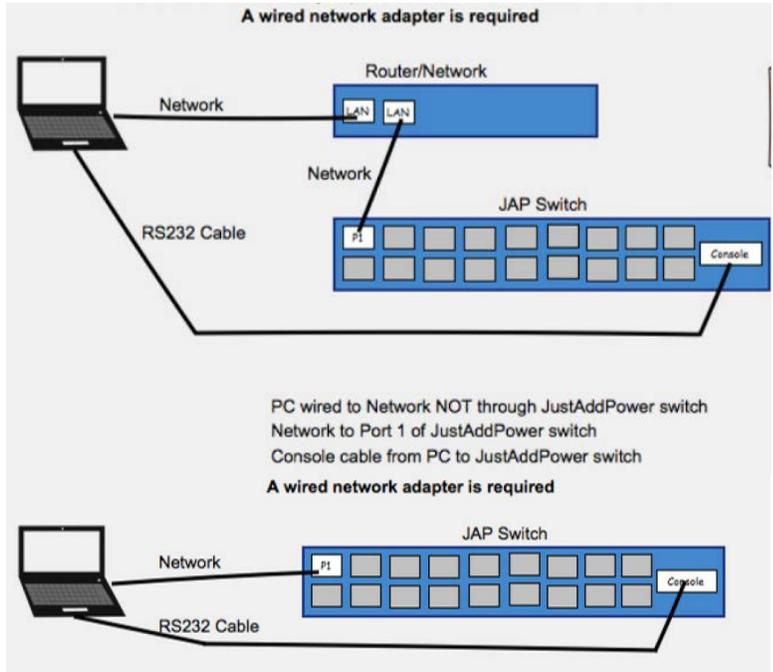


# JADConfig Option #2

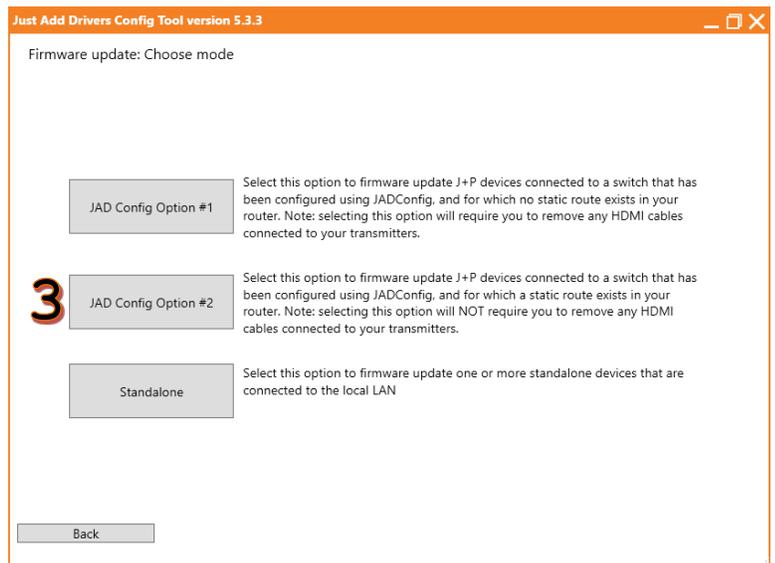
1. To use **Firmware Update: JADConfig Option #2** the switch must have been previously configured with JADConfig. Just Add Power devices attached to Transmitter and Receiver ports will be updated.



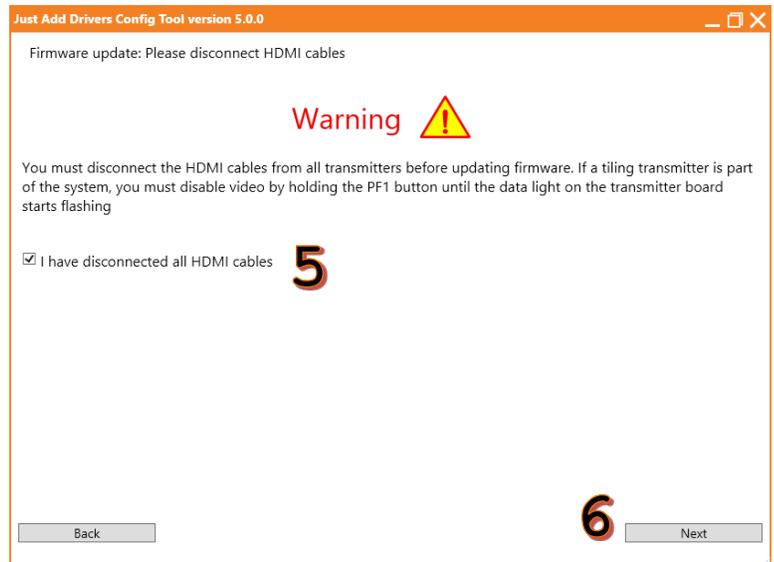
2. Connect the PC to port 1 of the switch, either through a network or directly from the PC to port 1.



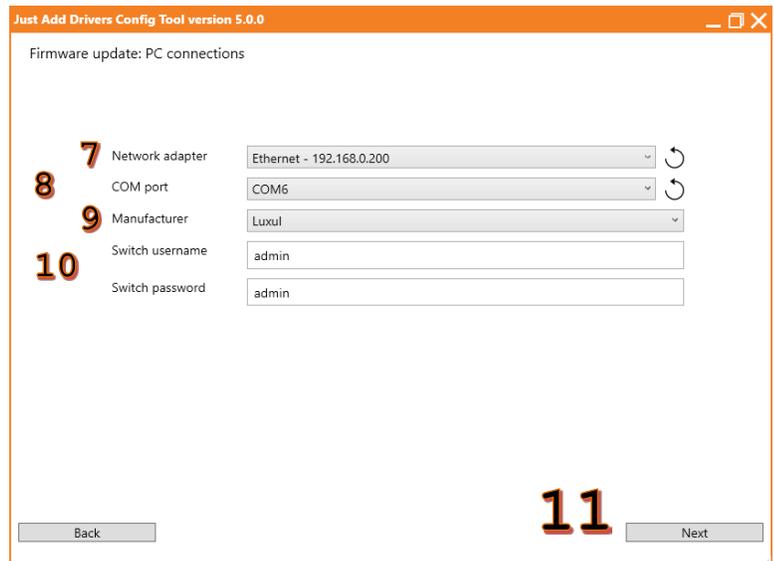
3. Select **JADConfig Option #2**



4. **Disconnect** HDMI cables from all **Transmitters**. If there is a Tiling Transmitter, press and hold **PF1** until the data light on the TX board blinks.
5. Check the box for **I have disconnected all HDMI cables**.
6. Select **Next**.



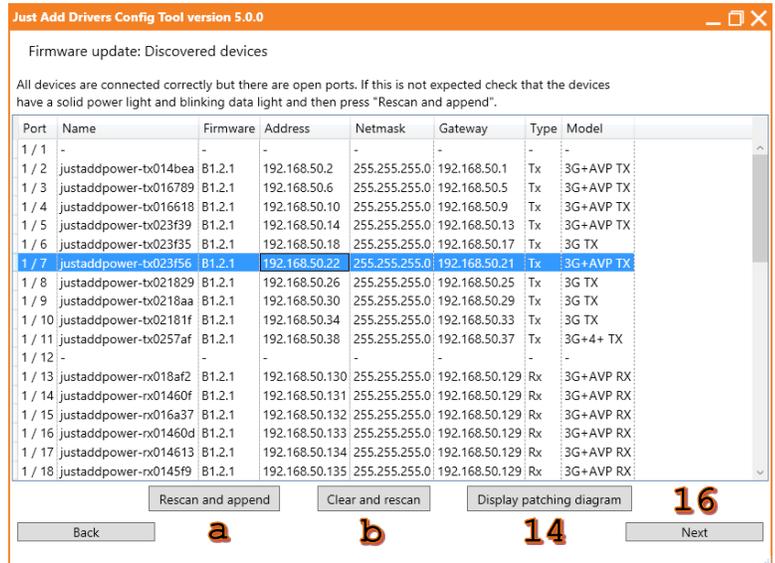
7. Select the **Network adapter**.
8. Select the **COM port**.
9. Select the switch **Manufacturer**.
10. The **Switch username** and **Switch password** will auto-fill. If the values are different than default, enter the current username and password.
11. Select **Next**.



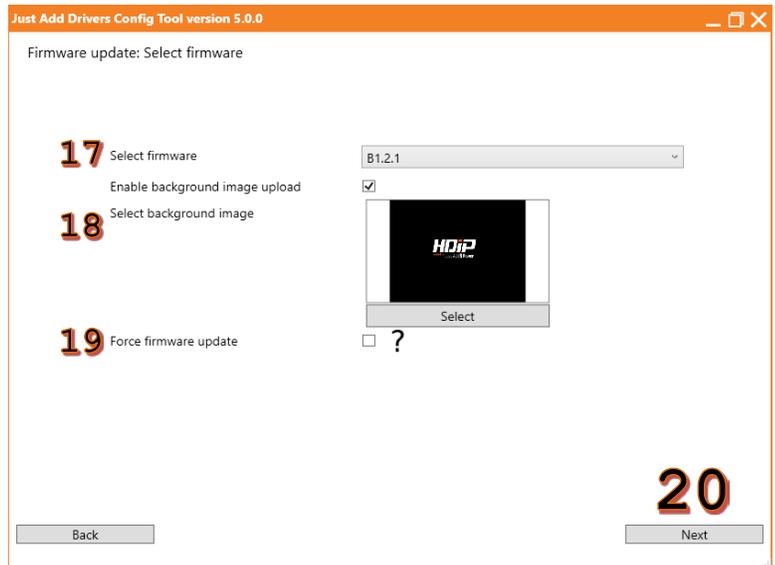
12. The program will interrogate the switch and discover all active Just Add Power devices. Please be patient.



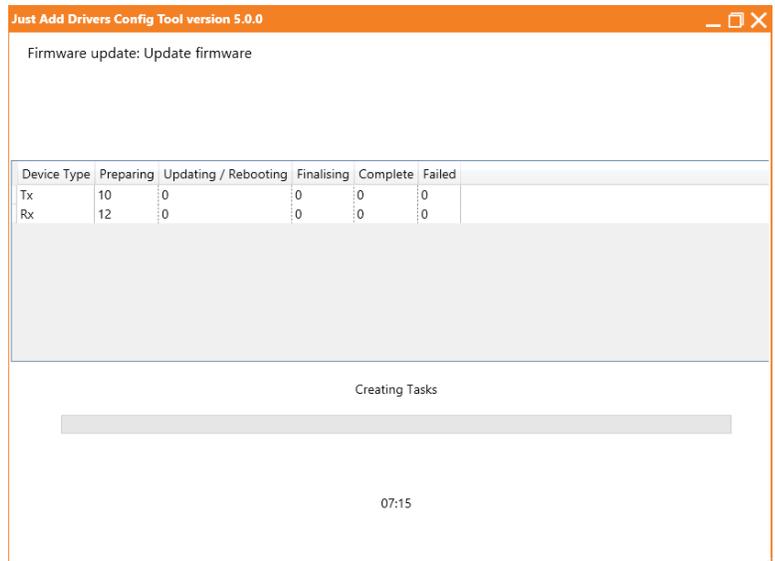
13. A list of the discovered devices and their current details is displayed.
14. (optional) Select **Display patching diagram** to view the port connections on the switch.
15. If not all devices were properly discovered, there are two rescan options:
  - a. Select **Rescan and append** to remember current connections and only look for new connections.
  - b. Select **Clear and rescan** to forget all connections and rediscover all ports.
16. Once all devices are discovered, select **Next**.



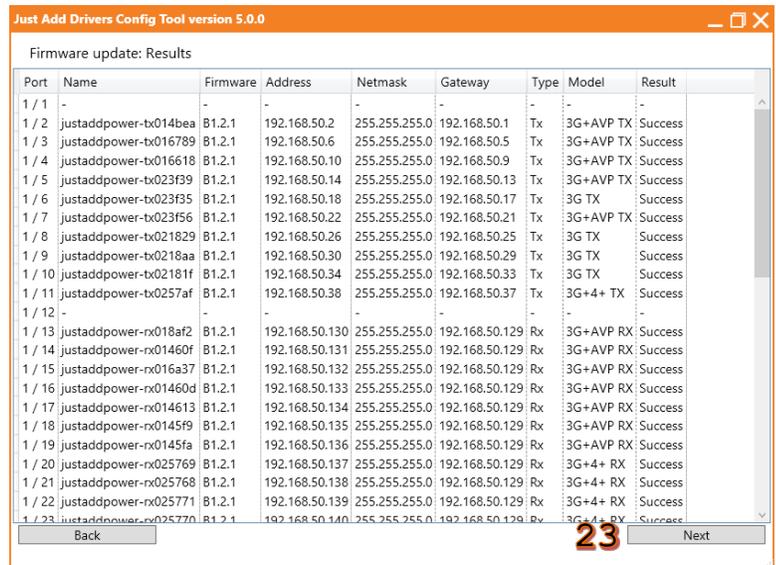
17. **Select firmware** to be loaded.
18. To change the background image, check **Enable background image upload** and **Select background image**.
19. Do **NOT** check **Force firmware update** unless specifically told to do so by **Technical Support**.
20. Select **Next**.



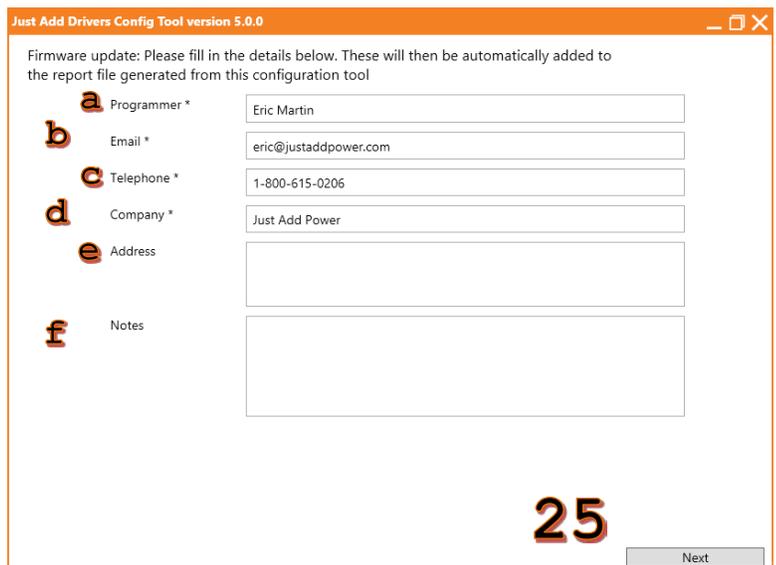
21. Firmware will be updated to the selected version. Please be patient, as this process will take several minutes.



22. When configuration and firmware update are finished, a list of the devices is displayed.
23. Select **Next**.

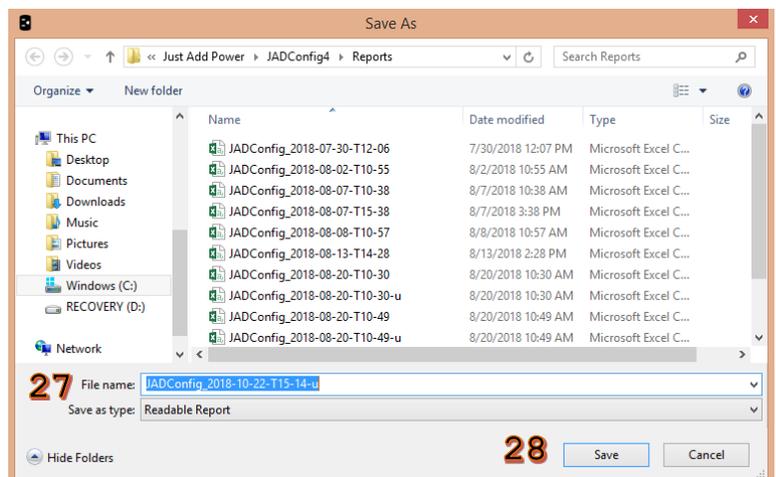


24. Input **Company Details**:
  - a. **Programmer Name\*** - mandatory
  - b. **Email\*** - mandatory
  - c. **Telephone\*** - mandatory
  - d. **Company Name\*** - mandatory
  - e. **Address**
  - f. **Notes**



25. Select **Next**.

26. Choose a location to save the JADConfig Report File
27. Name the **Report File**. The default name is the date and time that the program was run.
28. Select **Save**.

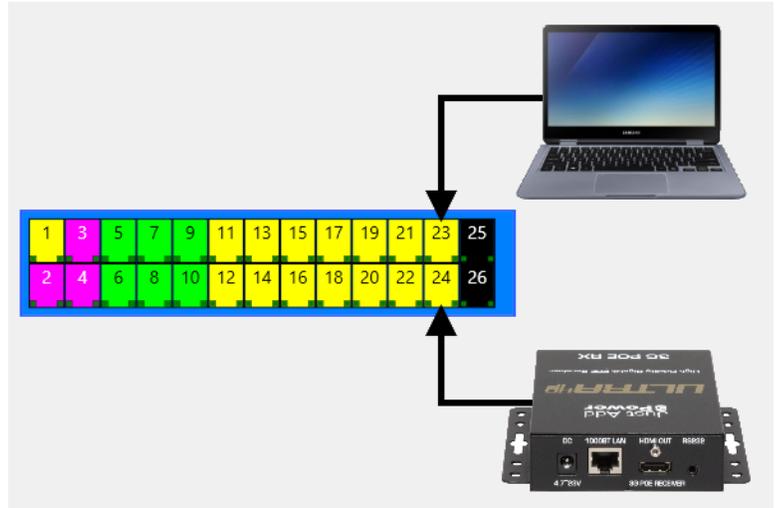


29. Select **Finish** to return to the main menu.

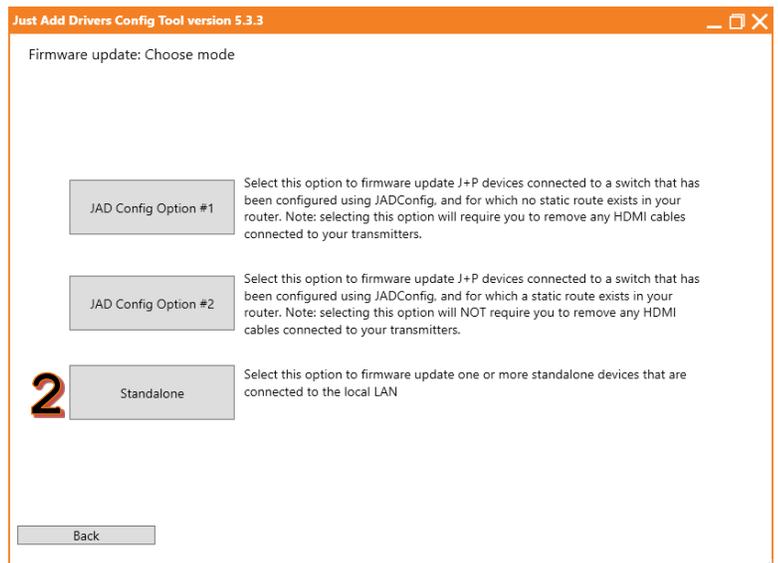


# Standalone

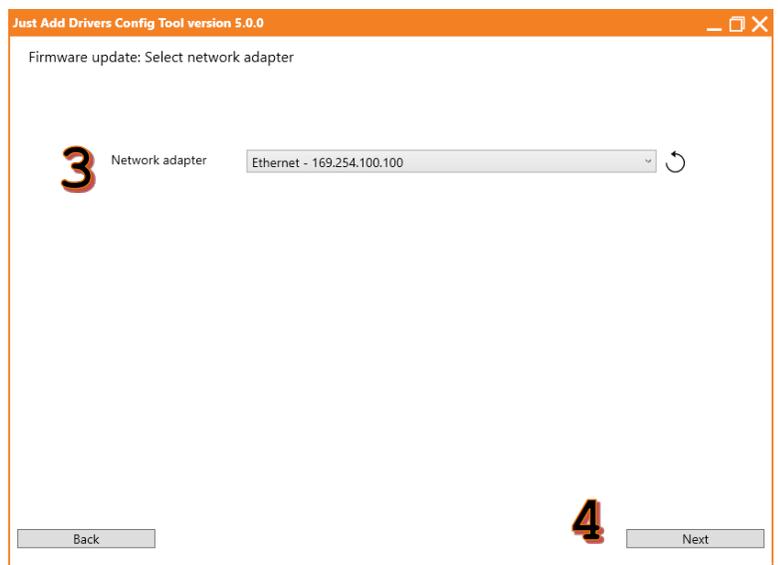
1. Connect the PC running JADConfig and the Just Add Power devices to **data network** ports. These can be data ports on the JADConfig switch or a standard data port on another switch in the network. The discovery process looks for **local network devices** only.



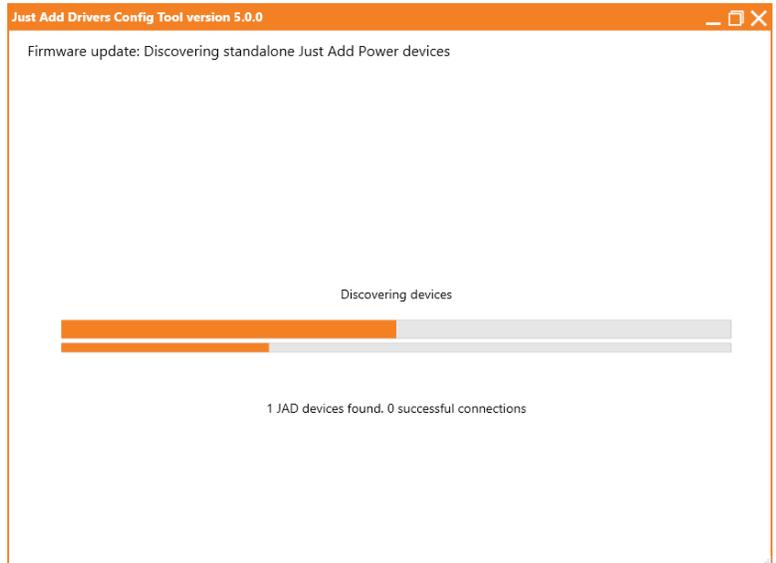
2. Select **Standalone**.



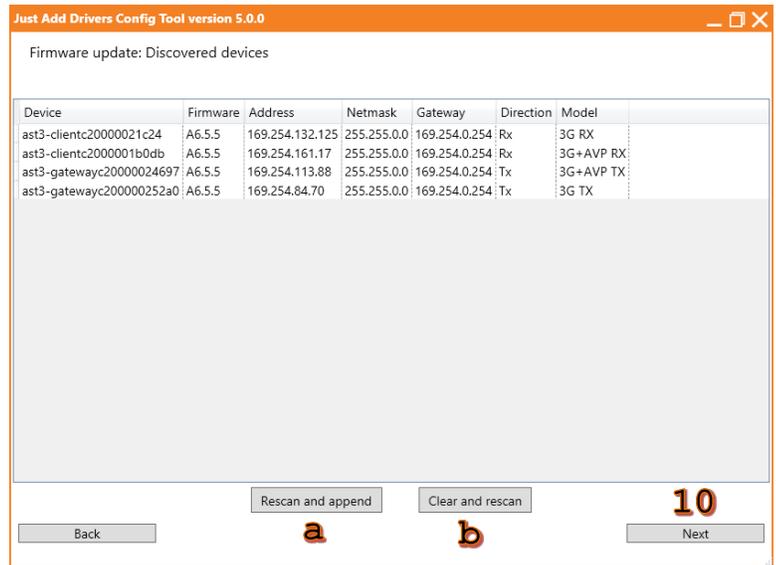
3. Select the **Network adapter**. Wired adapter recommended.
4. Select **Next**.



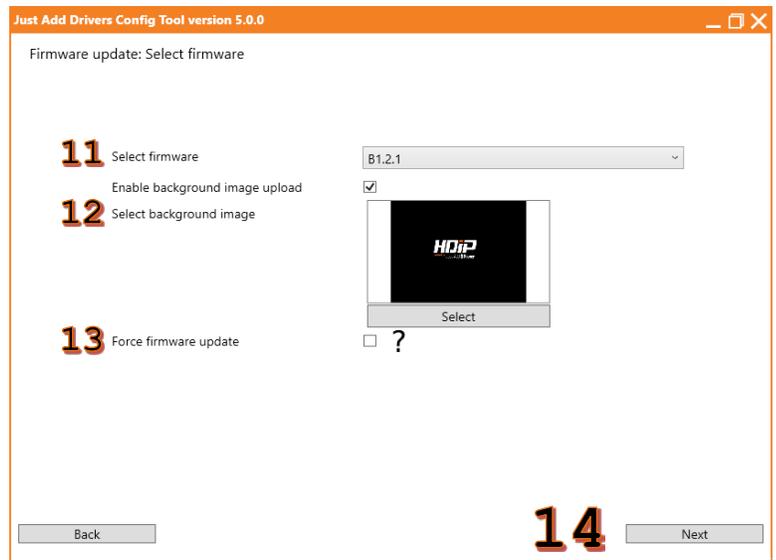
5. The program will search for Just Add Power devices on the **local network**. Discovered devices are interrogated for their current settings.



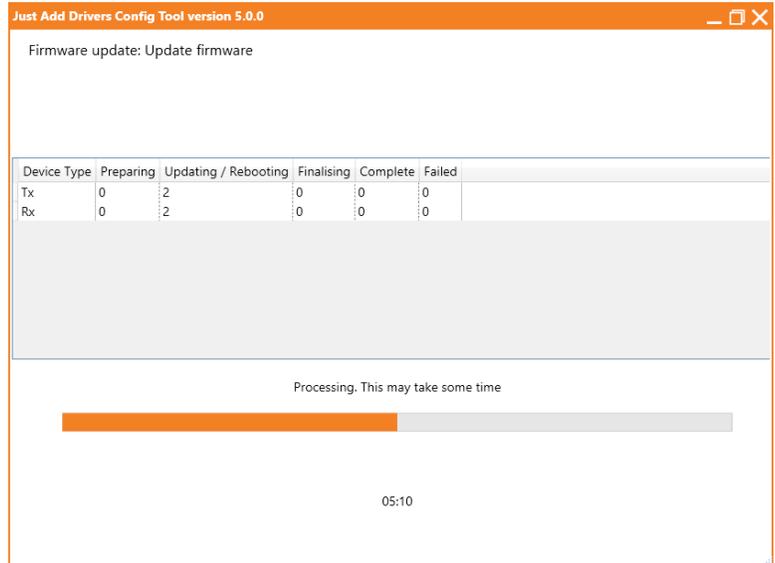
6. If not all devices are discovered, choose one of the rescan options:
  - a. **Rescan and append** will remember the found devices and only look for new devices
  - b. **Clear and rescan** will forget all devices before rescanning for all devices
7. When all devices have been discovered, select **Next**.



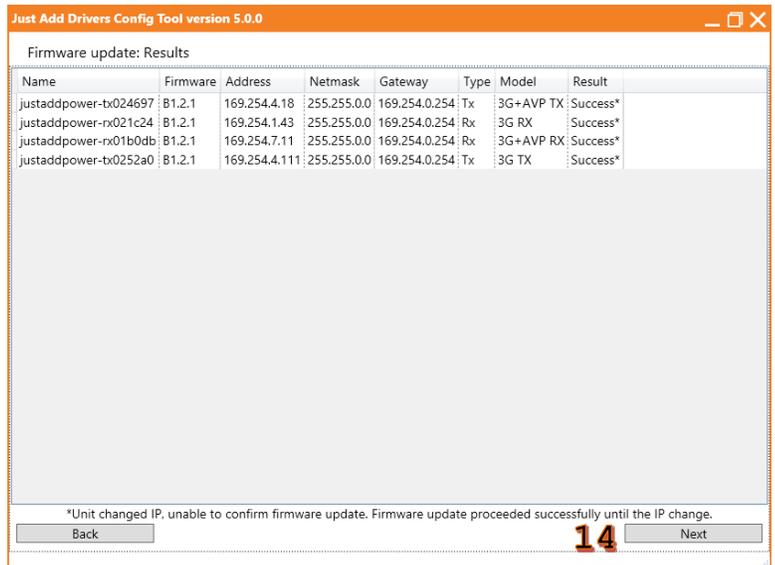
8. **Select firmware** to be loaded.
9. To change the background image, check **Enable background image upload** and **Select background image**.
10. Do **NOT** check **Force firmware update** unless specifically told to do so by **Technical Support**.
11. Select **Next**.



12. The firmware update process will take several minutes. Once firmware update has begun, it must not be interrupted. Please be patient.

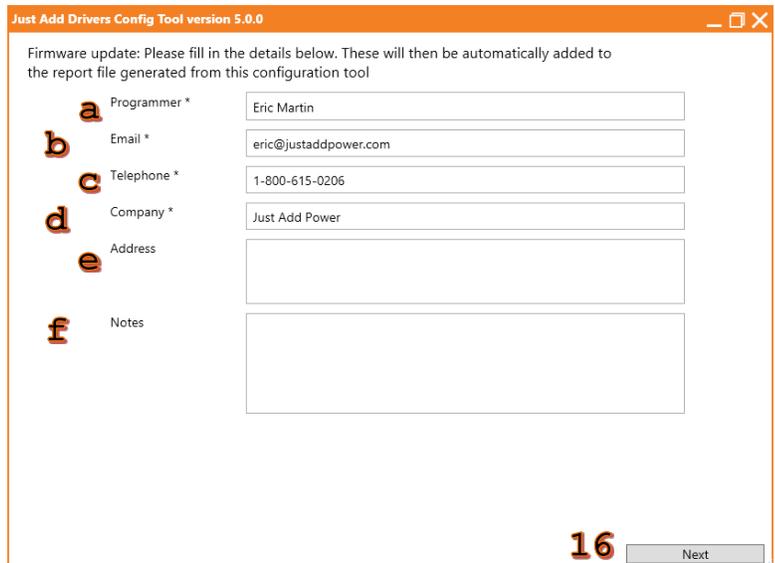


13. The results of the firmware update are displayed. Devices at default settings may change IP address after firmware updating.
14. Select **Next**.

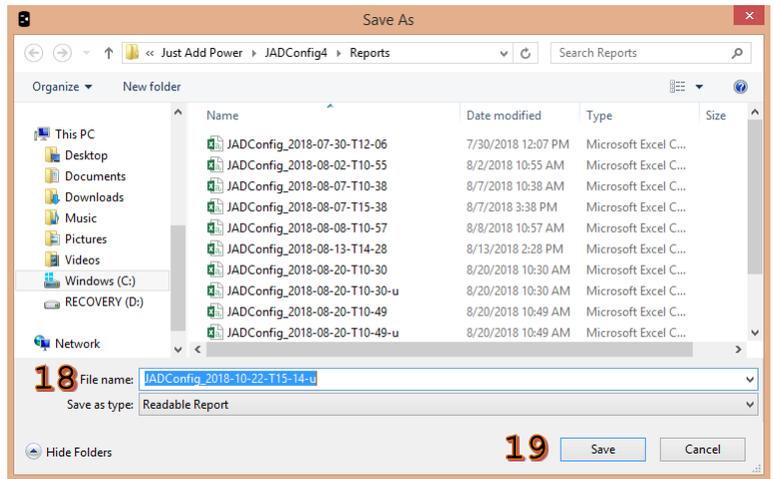


15. Input **Company Details**:
  - a. **Programmer Name\***
  - b. **Email\***
  - c. **Telephone\***
  - d. **Company Name\***
  - e. **Address**
  - f. **Notes**

16. Select **Next**.



- 17. Choose a location to save the **Report File**.
- 18. Name the **Report File**. The default name is the date and time that the program was run.
- 19. Select **Save**.



- 20. Select **Finish** to return to the main menu.

