Entoli™

Quick Software Setup Guide

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ENTOLI MEDICAL
Fairoaks
Chobham, GU24 8HU

Setting up the
Entoli Medical App

Ensure that your system has been set up and commissioned as per the manufacturers' user guides, including any configuration notes from Entoli. This is an essential step before initiating the software setup.
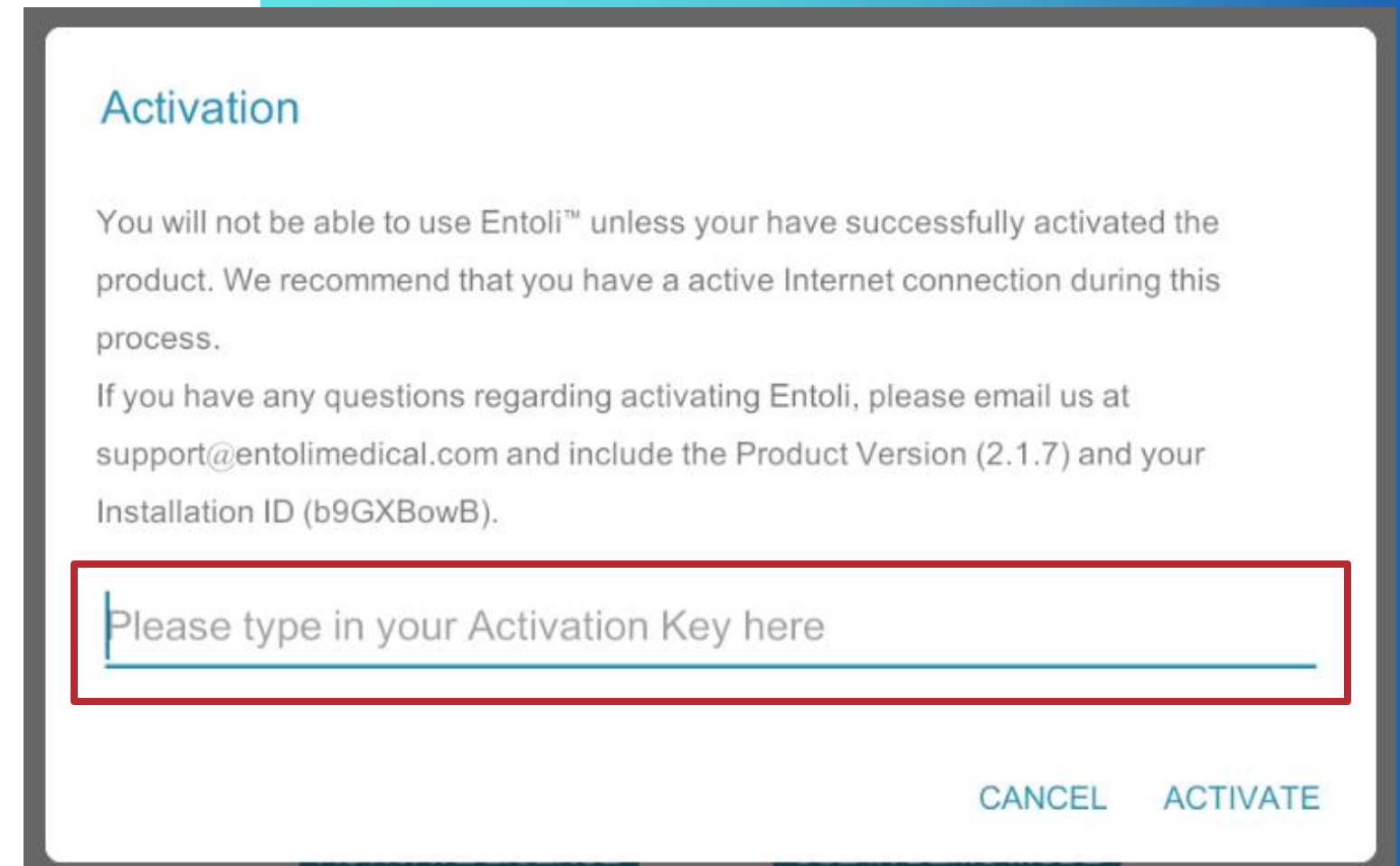

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1 Activating the Software License

Hit the "Activate License" button, type in your key and click "**Activate**".

Activation

You will not be able to use Entoli™ unless your have successfully activated the product. We recommend that you have a active Internet connection during this process.

If you have any questions regarding activating Entoli, please email us at support@entolimedical.com and include the Product Version (2.1.7) and your Installation ID (b9GXBowB).

Please type in your Activation Key here

CANCEL   ACTIVATE

2 Adding Devices

After moving past the license activation, you will be guided through the setup process using a wizard. Add all your devices, which may include the following:
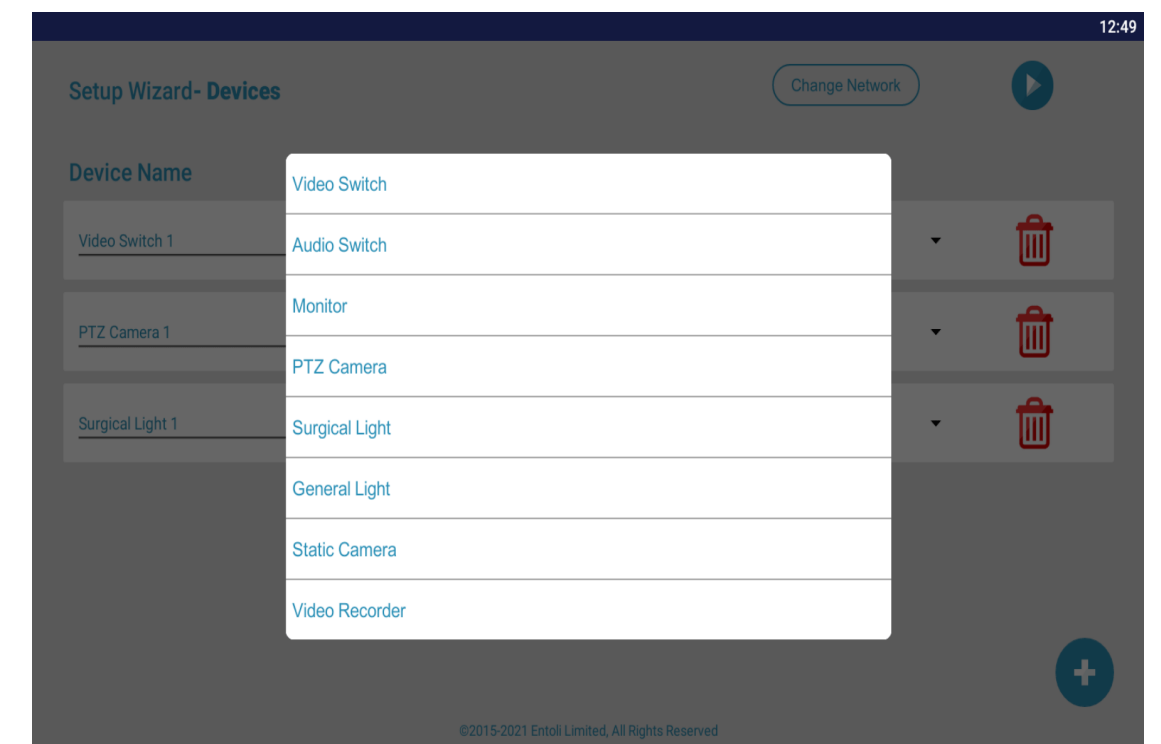
Video Switch

Cameras

Status Camera

Audio Switch

Surgical Lights

Video Recorder

12:49

Setup Wizard- **Devices**

Change Network

Device Name

Video Switch 1

PTZ Camera 1

Surgical Light 1

Video Switch

Audio Switch

Monitor

PTZ Camera

Surgical Light

General Light

Static Camera

Video Recorder

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3 Labelling and Configuring Devices

Each device can be labelled according to your preference. This label serves two functions: it is the name that the user will see, and it helps with configuration so you can keep track of what's going on.

Choose the device model from a drop-down menu. We support multiple types and brands, although most of the time it will be the same device type.
In this step, you have the option to rename your devices to keep the brand name in the background, if you wish. For example, you can rename the surgical lights to something else than the original default names.

Setup Wizard- **Devices**   Change Network ▶

Device Name	Device Type	Device Model		
Video Switch 1	Video Switch	Advantech AVAS-212	▾	🗑
PTZ Camera 1	PTZ Camera	Sony SRG300	▾	🗑
Surgical Light 1	Surgical Light	Rimsa	▾	🗑
Static Camera 1	Static Camera	Rimsa Lamp Head	▾	🗑
Video Recorder 1	Video Recorder	Medicapture MVR Pro	▾	🗑

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4 Adding Lamp Heads

Note that a "static camera" here refers to a lamp head camera. Lamp Head One will be connected to Static Camera One. The controls for the camera are sent via the lamp, meaning we have one place to send commands for surgical lights and the same place for cameras.

Setup Wizard- **Light Configuration**

Change Network

Lamp Name   **Camera**

Lamp Head1   Static Camera 1

Lamp Head2   Unavailable

5 Configuring Communication Methods, Protocols, Security and IP Addresses

At this point, you will need to enter any usernames or passwords that you have set up for your devices. Also, provide the IP address assigned to each device.

Setup Wizard- Control Wiring & Comms

Change Network

Device	Commun. Method	Protocol	User Name	Password	IP	Port
Video Switch 1	Direct	HTTP	username123	password123	10.32.32.100	80
PTZ Camera 1	Direct	HTTP / UDP			10.32.32.110	52381
Surgical Light 1	Direct		entoli	••••••••	10.32.32.106	4001
Video Recorder 1	Direct	HTTP	username123	••••	10.32.32.205	3333

For each device, choose the communication method and the protocol:

Video Switch

Direct communication method, HTTP protocol

PTZ Camera

UDP protocol (it works better and changes the port).

Surgical Lights

SSH protocol.

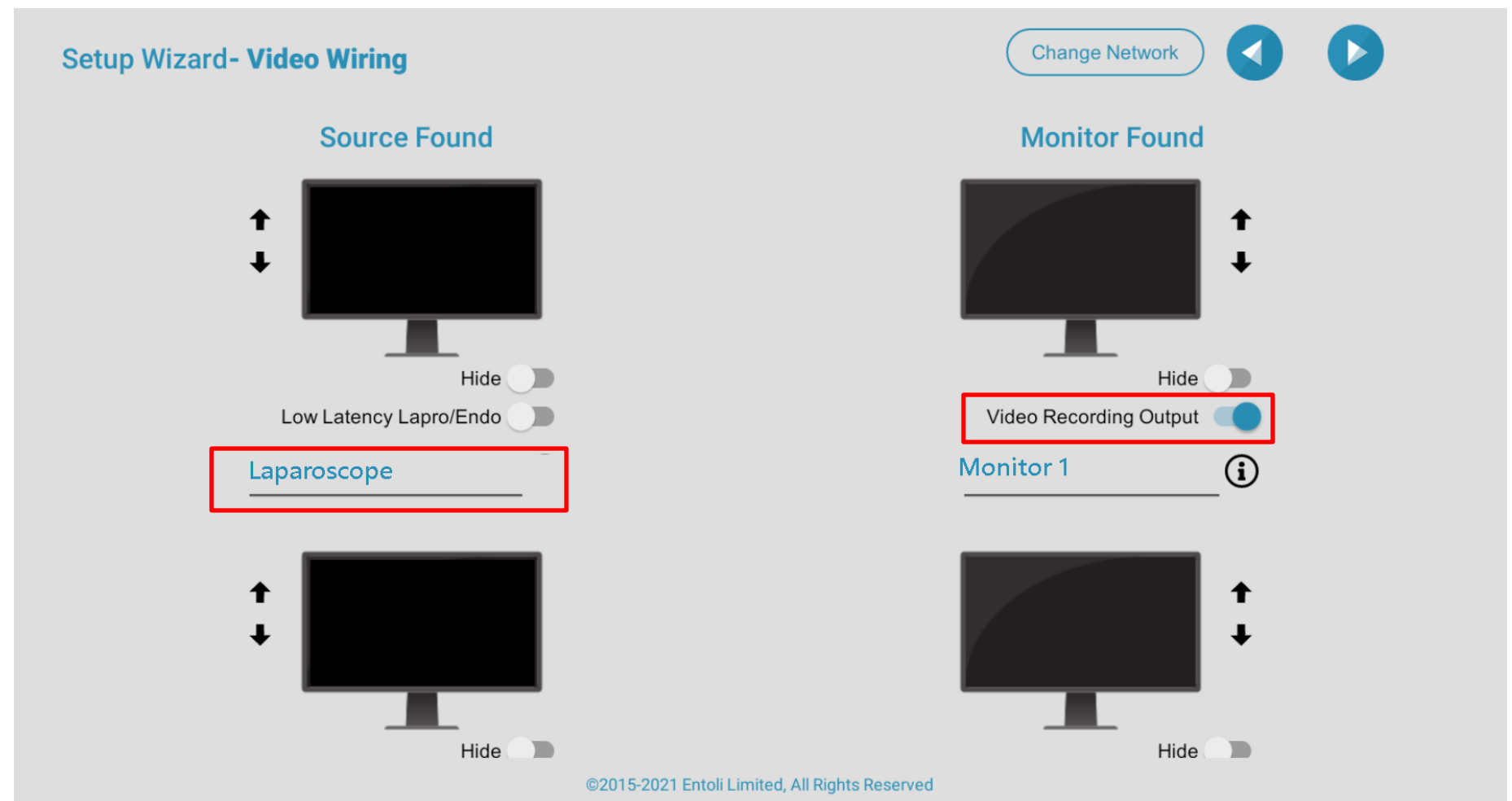### Video Recorder

HTTP protocol

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6 Video Wiring

Depending on the devices and the video system used, you will be able to see a certain number of monitors. You can reorder the monitors using the arrows. This step may vary depending on the specific equipment you have selected.

Select a recording output using the toggles. When using the video recorder, for example, you might want to send it to "Output One". Label the inputs and outputs according to your preference as shown below.
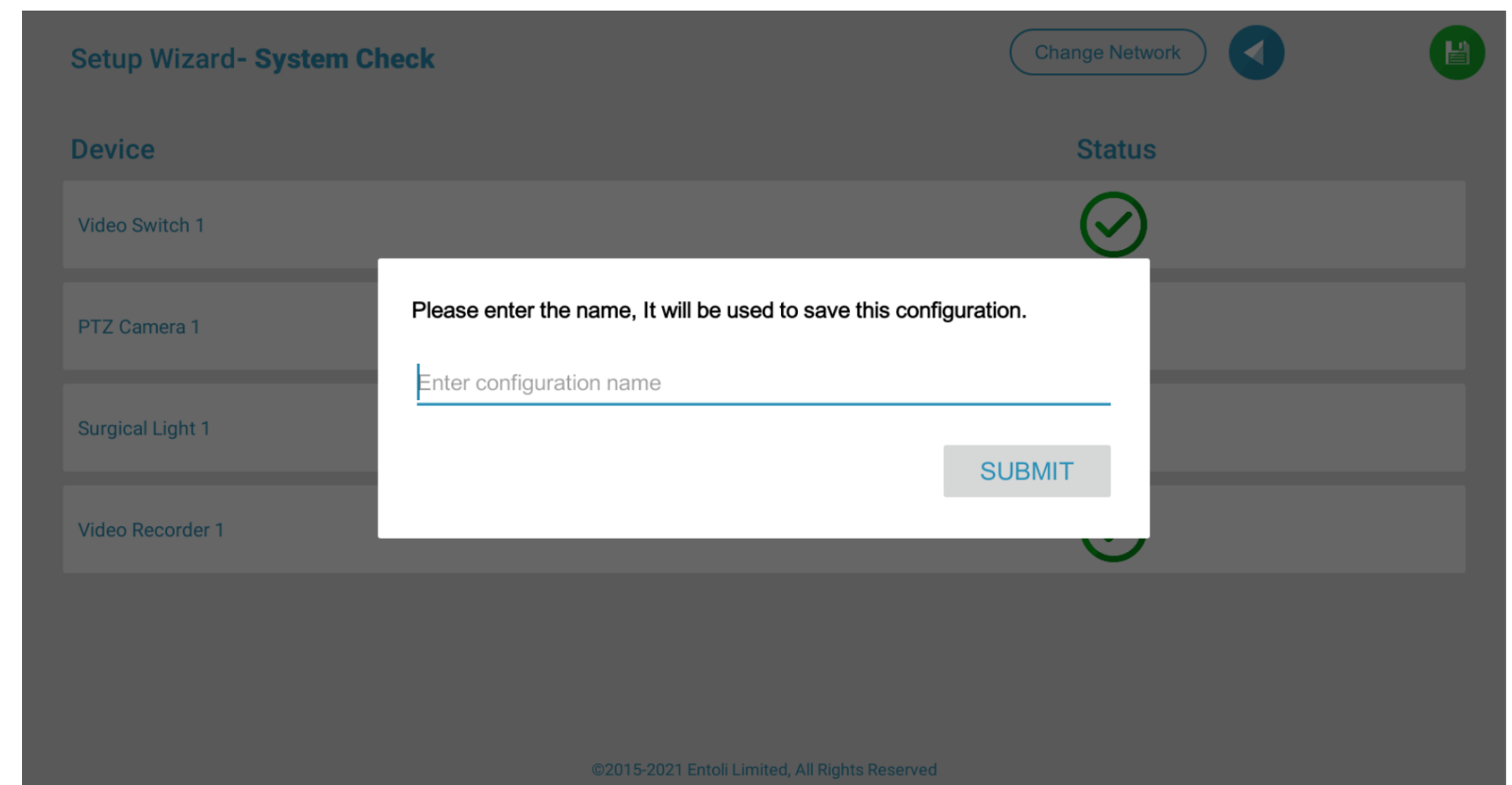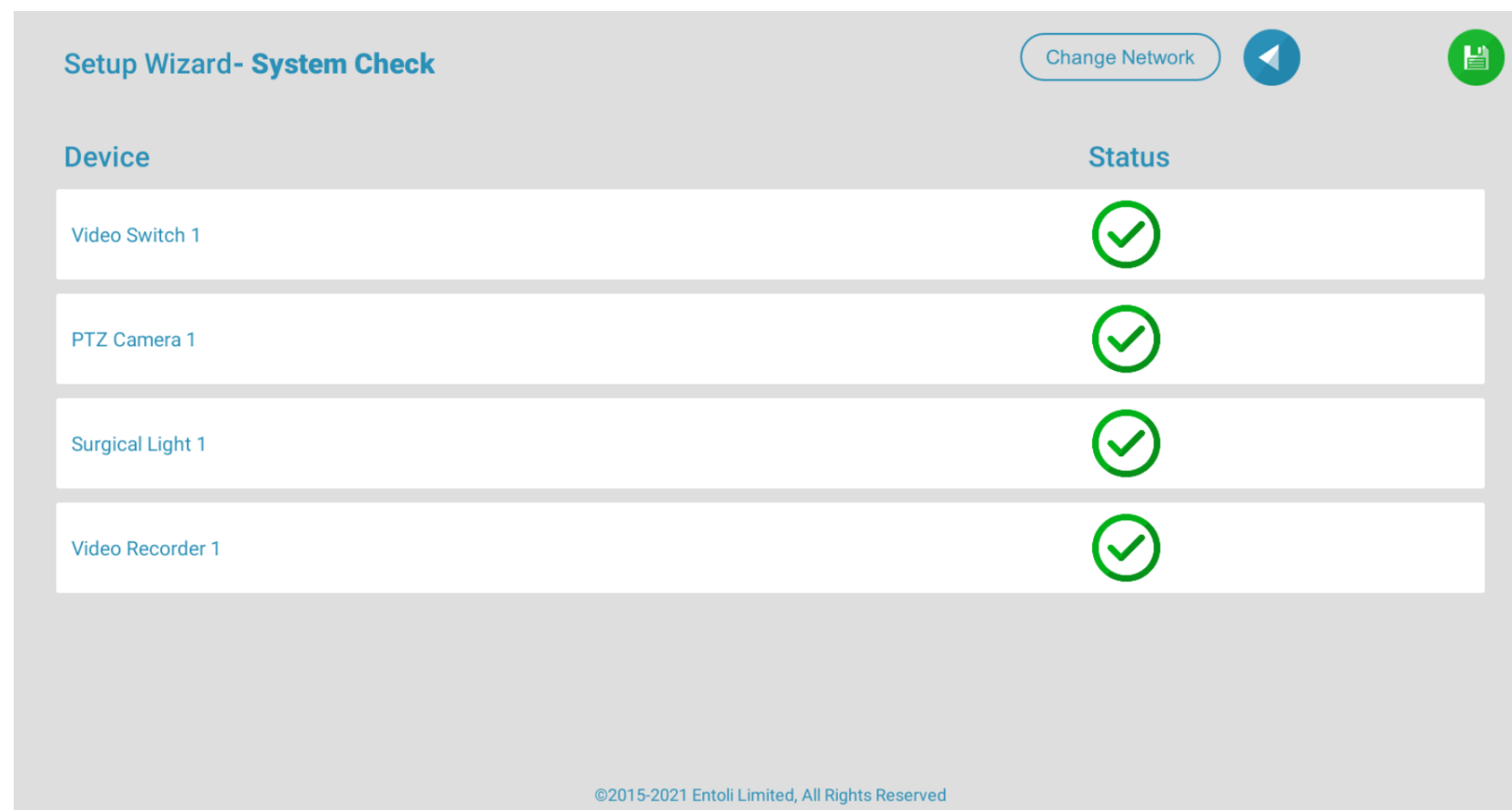

Setup Wizard- **Video Wiring**

Change Network

Source Found

Hide

Low Latency Lapro/Endo

Laparoscope

Monitor Found

Hide

Video Recording Output

Monitor 1

Hide

Hide

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7 System Check & Saving the Configuration

Before moving forward, the app will test if it can connect to these devices. If the test fails, it will not let you progress. Once you are satisfied with the setup, click on the "Save" icon in the top left corner. Give the configuration a name and it will be sent to the cloud. After the setup, you may want to test out the controls for each device. In the event of any issues or conflicts, the system has a logs feature to help.

Setup Wizard- **System Check**

Change Network

Device	Status
Video Switch 1	✓
PTZ Camera 1	✓
Surgical Light 1	✓
Video Recorder 1	✓

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Setup Wizard- **System Check**

Change Network

Device	Status
Video Switch 1	✓
PTZ Camera 1	
Surgical Light 1	
Video Recorder 1	

Please enter the name, It will be used to save this configuration.

Enter configuration name

SUBMIT

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Operating Theatre Software for the UK, Europe, Middle East, Africa, South America and the USA.