Introduction

The NC554/8 8-port Network Switch is used to build the Tek-CARE® Network. This network provides faster data transmission and enables some ancillary features that are too data intensive for just one CE connection.

These Ethernet switches automatically detect the type of network (auto negotiation) and type of cable (auto MDIX) and configure themselves, making for a Plug-and- Play networking solution.

NC554/8 8-port Network Switch
The NC554/8 8-port Network Switch allows up to 7 Ethernet devices to the Tek-CARE Network.

Package Contents

- Ethernet Switch
- Power Adapter
- These Installation Instructions

System Requirements

- Available AC electrical outlet
- CAT5e or better UTP Ethernet cabling
- GEN2 modules
- Operating Temperature 0°C–40°C (32°F–104°F)
- Relative humidity 10–90%

Installation

Refer to **Figure 1** during installation.

1. The network switch is designed to sit on a flat surface (such as a desktop) or be securely mounted to a wall or similar surface. If you wish to mount the network switch, first prepare the surface by installing mounting screws (not included); otherwise skip to Step 5. The switch should be mounted on the wall upright.
2. The centers of the two mounting sockets on the of the network switch are 9.4 cm (94 mm) apart. Mark the distance on the wall, making sure the marks are straight and level.
3. Depending on the mounting surface, use the appropriate tools to install mounting screws into the surface.

There should be a gap of approximately 1/16" (2 mm) between the head of the screw and the wall surface.
4. Place the network switch so that the openings of the mounting sockets are over the screw heads. Slide the case downward so that the screw heads slide into the narrow slots.
5. Connect one end of the network cable to an open 8P8C Ethernet port on the rear panel of the network switch. Plug the other end of the cable into the 8P8C port on the network device. Repeat for each additional network device you wish to connect to the network switch.
6. Plug one end of the power adapter into an open electrical outlet and plug the other end into the Power Connector on the back panel of the network switch. The Power LED on the front of the switch should now be lit.
7. Once the switch is powered on, it will be automatically initialized, and all Port Activity LEDs will flash momentarily, indication that the system has been reset.

Troubleshooting

Power LED does not light up:

- Check the connection of the power adapter into the network switch and the electrical outlet.
- Plug the power adapter into a different electrical outlet.
- Make sure the power source is turned on.

Port Activity LED indicator does not light up when connected:

- Check the Ethernet cable connection at both ends, to make sure it is properly plugged in.
- Try switching the ends of the cable.
- Make sure the network device is powered on and the network interface is enabled on it (check the network device's documentation).
- Connect the Ethernet cable to a different port on the network switch.
- Replace the Ethernet cable with a different cable.

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TekTone's quality system is registered by DQS to the ISO 9001:2015 standard.

FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Figure 1 - NC554/8 Network Switch

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