01
/Quick Start Wiring
GETTING TO KNOW YOUR ELITE

This guide shows you how to assemble and wire your ELITE Test System, and gets you ready for everyday use. Once you have selected the perfect place to install your test system please refer to the accompanying Quick Start Guides; 02 Quick Start Web UI and 03 ELITE Data Systems to finish your setup.
For your reference we have included an illustrated list of all components to help aid with the installation of your ELITE Test System.
Step 1. Install 4 A screws through the back of the Wall Plate and into the ELITE Tester.

Step 2. Install 4 B screws through the Wall Plate onto desired wall location (recommended 4 feet from floor) with a clear area below for a footplate.
As you will notice, the wall plate comes with pre-cut wire channels for cable management.

**Step 1.** Using the wire channels, connect the DC Output and RJ45 cable to their respective ports on the bottom of the ELITE Tester.

**Step 2.** Connect the other end of RJ45 cable to the footplate.

**Step 3.** Grounding Your Footplate
3.1 Using the supplied Ground Cord, insert the banana plug into the footplate.
3.2 Connect the ring terminal for the footplate ground to a known good ground connection.

**Step 4.** Once you have connected your cables and wires, plug in the ELITE Tester Power Supply (the ELITE will automatically turn on).
The ELITE footplate comes with 4 pre-drilled holes on the underside to securely mount the test stand pole to the footplate.

**Step 1.** Lay the test stand pole on its back with the footplate mounting bracket pointing upwards.

**Step 2.** Mount the footplate to the test stand pole using 4 screws into the underside of the footplate.
Once you have completed the previous section (Mount Your Footplate):

**Step 1.** Feed the RJ45 Cable and DC Output from the Power Supply through the bottom rear opening of the Test Stand Pole. Pull the cables through the pole and out the top rear opening.

**Step 2.** Connect the RJ45 Cable and Ground Cord to the footplate.

**Step 3.** Connect the ring terminal of the Ground Cord to a known good ground.

**Step 4.** Connect the DC Output and RJ45 Cable into the bottom of the ELITE tester.

**Step 5.** Connect the Power Supply into a 120V AC outlet.
Follow the diagram for the best suited network connection type.

A. Direct USB Connection - Firmware Updating
Connect from the ELITE using the USB cable to an available USB port on a PC.

B. Direct Ethernet Connection - Data Communications
Connect from the ELITE using the Ethernet cable to an available Ethernet port on a PC.

C. Ethernet Network Connection - Data Communications
Connect from the ELITE using the Ethernet cable to an available Ethernet port on a router.
There are two relays, A & B, on the bottom of the ELITE Tester. Each relay has 3 inputs; Normally Open (NO), Common (C), and Normally Closed (NC). How you wire to your ELITE depends on the type of switch on your external device. Once you have determined the type of switch, follow the illustration for connection procedure.

A is triggered on an entry event (passing test result), acting as a switch to control outside gates, such as doors, light towers, and turnstiles upon a passing test result.

B is commonly used for exiting, when access is controlled by the ELITE Test System. It works in conjunction with external I/O devices connected to the tester such as ID readers and IR exit switches.

B can also be set to mirror Relay A and switch a second device upon an entry event.
AN IMPORTANT NOTE
Please read this document and check that your system is set up carefully before you first use your ELITE Test System.

LEARN MORE
You can find more information and learn even more about ELITE features at www.botron.com/elite.

SUPPORT
Your ELITE comes with 90 days of technical support and one year of hardware repair warranty coverage. For more information please contact:

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Welcome to the ELITE V2 Web UI. Here you can control the settings of your device such as VTR (Variable Test Resistance) Technology, calibration, relays and much more. The ELITE V2 Web UI is an interactive web app that works in most browsers across many platforms, such as mobile phones, tablets and desktops. This gives you access to your test equipment anywhere you go within your network.

Once you have connected your device to your network, access the Web UI by entering the IP address in the browser of your choice. The IP address is automatically obtained by the ELITE V2 once connected to your network.

This Quick Start Guide is to give you an overview of the screens and features of the Web UI.
GETTING STARTED

Please check that your Ethernet cable is securely connected to the ELITE. If you need assistance on connecting your device to your network please refer to Quick Start Guide 01 - Wiring & Mounting.

To find your IP address, hold down the # key on the keypad, please wait for it to beep again and release. This will bring you into the TCP/IP information screen, here you can see the device network information, including the IP address.

Record the IP address and enter it into your internet browser URL bar.

The ELITE Web UI works with internet browsers across mobile devices and desktops.

Look for **Tooltips** on the Web UI screens for a more detailed explanation on each feature.
LIVE VIEW

The Live View screen displays realtime information about the personnel interacting with the equipment.

There are 3 tiles: User, Result and Devices.

The User information tile will update the ID number, Name, Protocol (Test Requirement) as each user inputs their ID.

The Result tile will light up PASS in Green, or FAIL in Red depending on the test outcome.

The Device tile is also interactive. Grayed out icons will change to either Green, Red, or Yellow depending on the test result. It also displays the resistance value for each device.
UNIT TAG

The Unit Tag page is where you can name your device. If you have multiple ELITE Testers or your lab areas are tagged internally, use the provided fields to help identify your testers location.

The description field can be filled out to further help identify the device, especially if grouped with other testers’ in the same location.
TEST SETTINGS

VTR (Variable Test Resistance) Technology gives you all the control and customization over your test settings. In this screen you can set the Low and High Fail as well as our unique and powerful Near Failure adjustment for Wrist Strap, Smock/Garment, and Footwear. You will also notice that you can toggle display and auto detection on/off for each device.

**Device Titles:**
Adjust the High, Low, and Near Fail settings of each device (in Ohms).

**Test Configuration:**
Control various timing controls and configure how a test is performed.

**Dual Wire Select:**
The Dual Wire jack on the ELITE works with either a Wrist Strap or Smock/Garment. You can select either of these options or disable the jack input.
RFID

Completely unique to only ELITE Complete Test Systems, you can decode up to 4 RFID bit rate types directly on your ELITE Test System.

**RFID Decode Tool:**
To enter RFID Decode Mode select Decode Card.

**Recommended Card Settings:**
This will populate with the card data you will need to input in the RFID Decode tile.

**RFID Decode:**
This tile is where you enter the information from the Recommended Card Settings tile.
BARCODE SETTINGS

For those with barcode type IDs, in this tab you can control what information the scanner needs to read. In some cases, a barcode may start and/or end with characters not prudent to the ID number itself.

Barcode ID start position:
This is where the scanner begins reading the characters of the Barcode.

Barcode ID length:
This is how many characters of the string from the start position the scanner will read.

Keypad Enable:
Enable/Disables keypad ID input.
CALIBRATION

All calibration information is time stamped and stored digitally on your test system. Your calibration certificate is easily accessible though this screen in the web app when you need it.

All Elite Test Systems come calibrated from the factory.
When connected to a PC by the Ethernet cable, the ELITE Tester will configure its Local Area Network (LAN) settings. Assuming you are on the network, this screen will have stored all the network information regarding this device.

When Dynamic Host Configuration Protocol is enabled the ELITE Tester’s network settings will be assigned by the network router. By disabling DHCP, you may manually configure the ELITE Tester’s network settings.
FACTORY DEFAULT

In this screen you can choose to reset individual settings back to a factory default.
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