



 **WOWTESTER™**  
USER  
GUIDE

# Welcome

Welcome to your WOWCloud WOWTester, a revolutionary new tester that utilizes state of the art cloud and mobile technology to dramatically improve how low voltage cable testing is done...from YOUR PHONE, to OUR APP, to THE CLOUD!

## Included in the Box



**01: WOWTester App:** This is a mobile application that acts as the “brains” of the testing components. The App works in conjunction with the other two components to run cable tests. The App initiates the tests and processes the test result data. \*

The App is iOS and Android compatible and can be downloaded for free from the App Store.

**02: Master Device:** This device is tethered to one of the cable connection via its lone port and provides the power and resource for conducting the test and collecting its data.

**03: Remote Device:** This is a “dumb” device that complete a circuit by connecting the opposite end of the cable from the Master.

**04: Cat6 Patch Cables:** One 5-foot and Four 3-foot patch cables are provided with the WOWTester for connecting the units to the appropriate endpoints.

**05: USB Charger and Cable:** Provided for charging the Master Device.

\* Smart device is not provided with your WOWTester Starter Kit and must be purchased separately.

## Features

### Cable Type

- UTP, STP, FTP, SSTP
- CAT3
- CAT5
- CAT5E
- CAT6

### Supported Tests

Complete Cable Mapping including shield continuity and shorting, plus:

- Length and Cable Type
- Distance to Fault
- Speed Testing
- Delay Skew
- PoE/PoE+ Detection
- Ping
- Trace Route
- Network Scan
- IPV4/ IPV6
- Return Loss Analysis  
specifies actual distance to impedance mismatch

# Technical Specifications

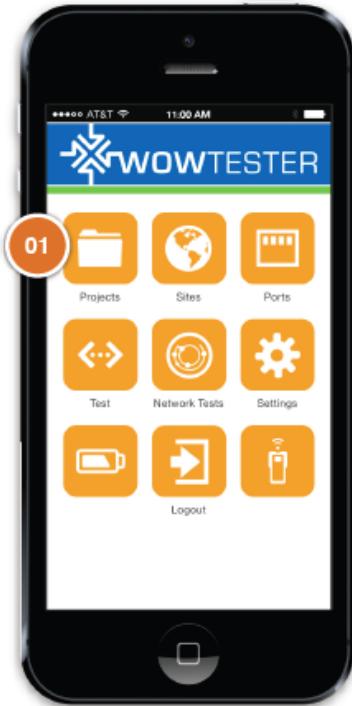
Specification	Measurement
U.S. Dimensions (L x W x H)	<b>Master:</b> 6.5" x 3.4" x 1.9" <b>Remote:</b> 5.9" x 2.3" x 1.9"
U.S. Weight	<b>Master:</b> ~ 12.4oz <b>Remote:</b> ~ 6.8oz
Power: Battery Type (Master)	NCR18650 Lithium Ion (X3)
Power: Typical Battery Life (Master)	500 tests
Power: Typical Battery Lifetime (Master)	4 years
Power: Charge Time With Tester Off (Master)	Rated 5Vdc, 0.5A (USB Power from External Adapter)
Power: Low Battery Indicator	<b>Battery Icon In Use:</b> Flashes red when battery has less than 20% charge remaining <b>Battery Icon In Use:</b> Lights steady red when battery has less than 10% charge remaining <b>Battery Icon Charging:</b> Flashes red when battery is charging and turns off once fully charged.
Remote Display	4 tri-colored test status indicators
Interfaces	(10/100/1000 Ethernet — RJ45)   USB host port
Operating Environment	Indoor use only. Altitude up to 3000m. Pollution Degree 2
Storage Temperature	-20°C to +70°C (32°F to 158°F) non-condensing
Maximum Line Length	<300 meters
Supported Languages	English
Casing	High Impact PCABS
Connector Type	RJ45

## Getting Started

1. Charge the Master Device (*using the provided USB Charger*)
2. Download the WOWTester App from the App Store
3. Open the WOWTester App and register for an account
4. Power on the Master Device (by pushing the Power button)
5. Select 'Test' on WOWTester App Home Screen
6. Pair WOWTester App to Master via Bluetooth
7. Connect the Master and Remote with one of the provided Cat6 patch cables
8. Select the "Test" button to initiate a wire map test

# Using the WOWTester App

## WOWTester App - Home Screen



**01: Projects:** This area of the App organizes the list of endpoint assignments by Projects. It enables the user to quickly and easily locate and test the endpoints

**Sites:** Endpoints assigned for testing are also organized by Site. This area provides the user with an alternative method to finding the endpoints for testing.

**Ports:** The user can locate a port directly by name if necessary.

**Test:** Users can conduct a test on any endpoint even if it is not assigned as part of a Project or associated with a Site.

**Network Tests:** A series of network test can also be conducted through the App. These results are not stored or saved.

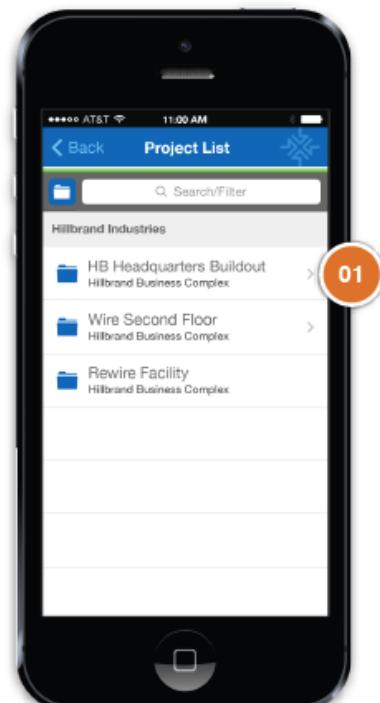
**Settings:** The user can configure some basic settings and preferences for behavioral aspects of the App.

**Battery:** The user can check the battery charge level of the Master device to which the App is connected.

**Logout:** The logout button ends the user's session and locks the core features of the App until a user logs back in again.

**Remotes:** The user can define the list of Remotes that will be available for use in the testing processes.

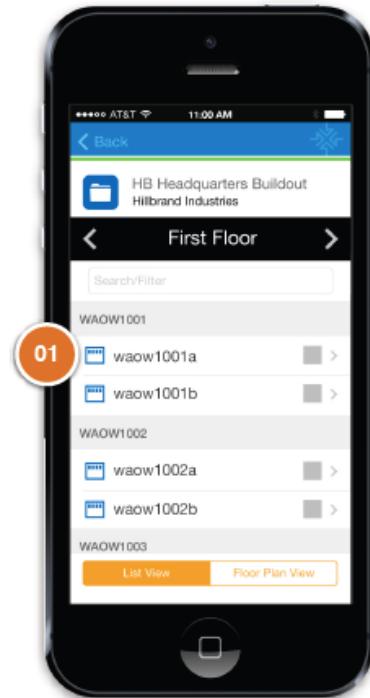
## WOWTester App – Select Project



Tapping the Projects icon on the home screen avails the Project List screen. This screen will only show a list of Projects that the user has been assigned to. In cases where the list is long, the user can filter the list entering keywords into the Search/Filter field at the top of the screen.

**01:** The user simply needs to locate the Project name in the list provided and tap its name bar.

## WOWTester App – Select Port to be Tested



Tapping the PORT # bar will take the user to the Port List screen showing a list of all available ports on the current Project.

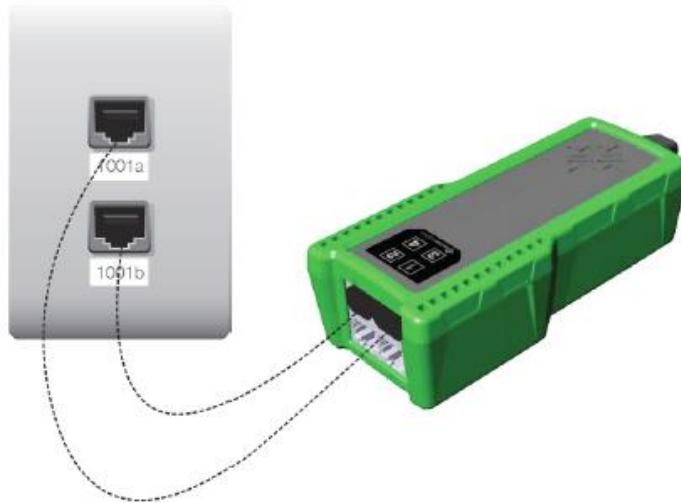
**01:** The user simply needs to locate and tap the endpoint name to which the port on the Remote is connected to.

## WOWTester App – Initiate Test of Port



At this time, the App is ready to perform a test, but the other components need to be configured...see the next pages for details regarding those processes for the Remote and Master devices.

## WOWTester App – Connecting the Remote

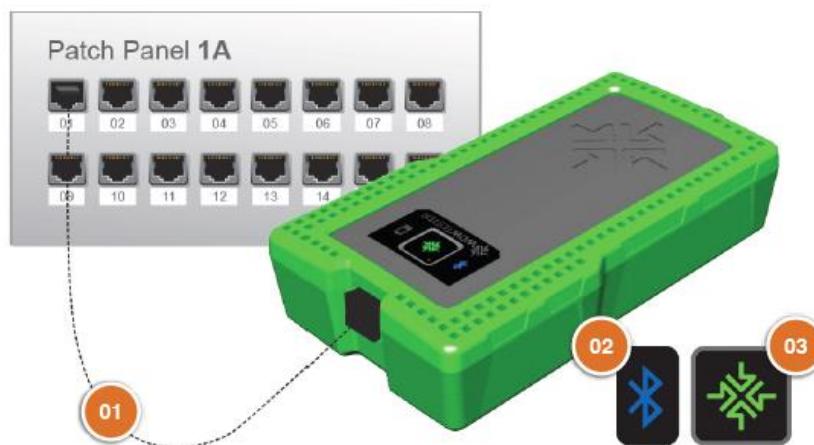


The next step in testing a cable with the WOWTester is to connect the Remote to one end of the cable. One end of a patch cable can be clipped to one of the ports on the Remote while the other end clips into the socket at the wall outlet or patch panel.

With the revolutionary design of the WOWTester Remote the technician is not limited to end capping only one port at a time. If there are multiple ports within range of the Remote device and its patch cable plug in a cable for each port until the ports can't be reached or until the ports on the Remote are filled.

The example on this page shows that two outlet ports have been plugged into the two of the ports on the Remote.

## WOWTester App – Connecting the Master

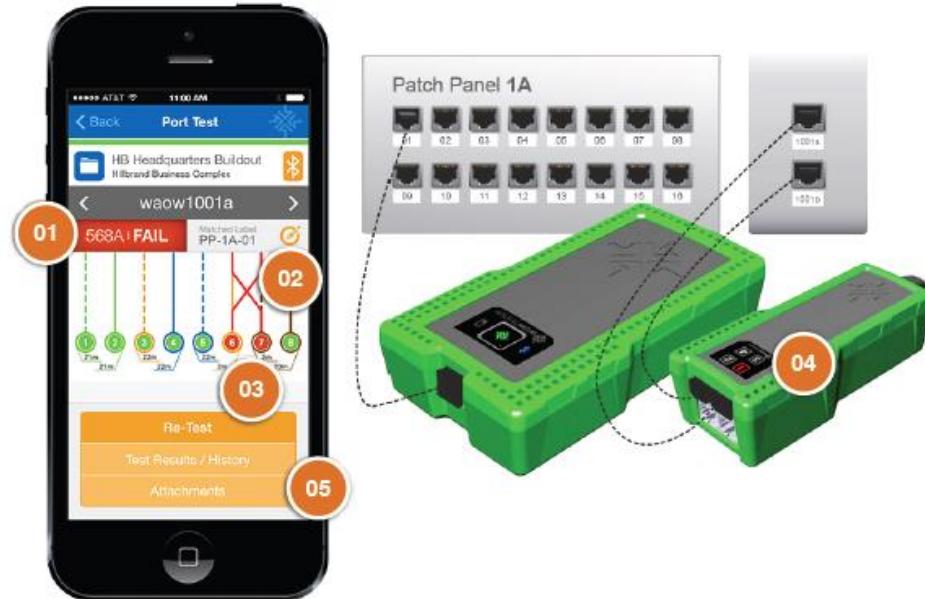


**01:** The next step in testing cable with the WOWTester system is to connect the Master via patch cable to the opposite end of the test cable that a Remote is already plugged into.

**02:** The user needs to make sure the Bluetooth indicator light is on.

**03:** The user needs to make sure the power light is on

## WOWTester App – Failed Test



**01:** A test that is run and returns with any identified problems will post a FAIL notice in red on the screen.

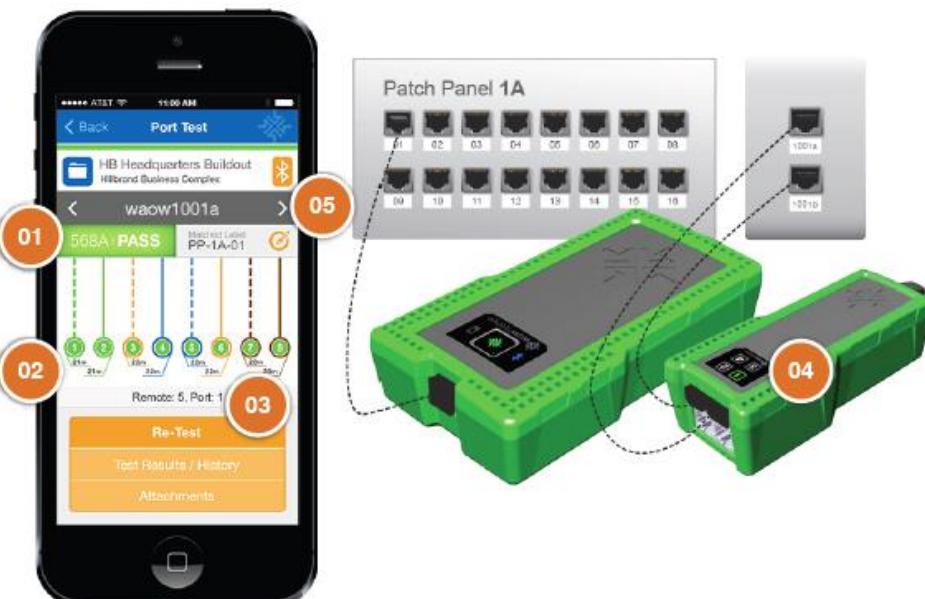
**02:** Failed tests are accomplished by a visual indicator identifying what type of fault exists.

**03:** Failed tests, instead of returning the wire length, will also show the distance to fault.

**04:** The Port # indicator on the Remote will light up in red with a fail. The Remote will also emit a brief tone specific to a fail in order to provide an audible notice of the failed test.

**05:** The user can opt to include notes, images or videos with any test to help document details of the test. To create an attachment the user needs to tap the ATTACHMENTS button.

## WOWTester App – Passed Test



**01:** A test that is run and returns without any identified problems will post a PASS notice in green on the screen.

**02:** Passed tests should return with each wire indicator showing a green circle encasing the wire number. The length of each wire is drawn in below the wire number.

**03:** A confirmation of the Remote name and Port # on the Remote that's connected to the opposite end of the cable from the Master is displayed just below the wire indicators.

**04:** The Port # indicator on the Remote will light up in green with a pass. The Remote will also emit a brief tone specific to a pass in order to provide an audible notice of the passed test.

**05:** Once the user is comfortable that the test process is complete for the specific endpoint, the user can jump forward to the next endpoint in succession on the Project list by tapping the arrows on the either side of the endpoint name.

## Charging the WOWTester and Battery Care

- Use only the supplied USB Cable with USB compliant ports and chargers.
- It takes 6 hours for the batteries to fully charge. You can view your current charge level in the WOWTester App under “Battery”.
- Do not attempt to replace your WOWTester’s batteries. They are built-in and only changeable by the manufacturer of your WOWTester.
- Do not attempt to disassemble the WOWTester or force open the built-in battery.
- Do not charge the WOWTester in damp areas as this can result in electric shock.
- Do not clean the WOWTester while it is being charged. Always unplug from the charger before attempting to clean.
- Do not dispose of your WOWTester in a fire. The batteries could explode causing death or injury.
- Do not expose your WOWTester to liquid, moisture, humidity or rain while charging. Exposure of the WOWTester while charging could result in electric shock.

## Updating the WOWTester

From time to time, there may be available firmware updates for your WOWTester. From the “Settings” section in the WOWTester App you will be notified if there is an available update for your WOWTester. Visit [www.wowclowd.com/update](http://www.wowclowd.com/update) in order to receive step-by-step instructions for how to download and install available updates to your WOWTester.

Note: An update to your WOWTester App may be required in order to receive the most current update for your WOWTester. You will be notified of available app updates through your App Store.

## Care Instructions

- Do not tamper with or abuse the WOWTester. For example, without limitation, do not drop, disassemble, open, crush, deform, puncture, shred, microwave, incinerate, paint or insert foreign objects into the WOW Tester.
- Do not use abrasive cleaners to clean your WOWTester.
- Do not expose your WOWTester to extremely high or low temperatures.
- Do not leave your WOWTester in direct sunlight for extended periods of time.
- Do not leave your WOWTester near open flames such as cooking burners, candles or fireplaces.
- Do not bring your WOWTester in contact with any sharp objects. This could cause scratches and damages.
- Do not insert anything into your WOWTester unless otherwise specified in the user instructions. This may damage the internal components.
- Do not attempt to repair, modify, or disassemble your WOWTester, it does not contain any user-serviceable components.
- If the WOWTester is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

## Service and Support

### HAVE QUESTIONS FOR US?

For service and support, tutorials, and software downloads, go to: [www.wowclowd.com/support](http://www.wowclowd.com/support)

WOW Insites, LLC 12165 W Center Road, Omaha, Nebraska, 68144 U.S.A.

## Warranty

### One-Year Limited Warranty

WOW Insites, LLC warrants its WOWTester (not to include batteries, cables or other peripherals which are all considered parts or accessories) to be free from defects in material and workmanship under normal use and service for one (1) year, beginning on the date of purchase. The warranty does not cover damage from neglect, misuse, contamination, alteration, accident, unauthorized repairs or abnormal conditions of operation or handling, including failures caused by use outside of the product's specifications, or normal wear and tear of mechanical components. If your product is defective, please go to [www.wowclowd.com/support](http://www.wowclowd.com/support) for detailed instructions.

If there is a covered defect, we will repair or replace the product free of charge. The product is provided "AS IS AND WITH ALL FAULTS", and WOW Insites, LLC hereby disclaims all other warranties, conditions and the provision of or failure to provide support of other services, information, software, and related content through the product or otherwise arising out of the use of the product.

This limited warranty is in place of all other express and implied warranties of any kind, which are hereby excluded. In no event shall WOW Insites, LLC be liable for direct, indirect, incidental or consequential damages arising out of use of the product, and any recovery is limited to the purchase price. No other person or company is authorized to change this limited warranty, and your dealer is solely responsible for any other additional warranties. The foregoing is without prejudice to the other legal rights that may arise under applicable national legislation. The warranty extends only to products purchased from an authorized WOWTester distributor.

## Compliance Information

United States:

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions (1) this device may not cause harmful interference, and (2) this device must accept any interference received including interference that may cause undesired operation.

FCC WARNING: any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment under FCC regulations.

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

NOTE: The Transmitters within this device must not be co-located or operating in conjunction with any other antenna or transmitter

CAUTION: If the equipment is used in a manner not specified by the manufacturer, the protection by the equipment may be impaired.