TITAN VERSA REMOTE SCREEN
User Manual

Description

The Versa Remote screen enable users to view and control both the TITAN VERSA leak detector and the Atlas charge controller.

LACO instruments and the Remote Screen communicate over the network, or directly with one another using an ethernet connection.

The Remote Screen (TV115895) can be connected to the Remote Screen port with three different cable lengths: TV5843 (1M cable), TV5844 (3M cable) and TV5845 (5M cable), or an external power adapter can be used.

Cable Length	Power Cable	Ethernet Cable
1 M	TV5843	LMSA3510
3 M	TV5844	LMSA3508
5 M	TV5845	LMSA3511

Safety

> ⚠️ **WARNING:**
>
> - Use TITAN VERSA Remote Screen only as specified in this manual.

Installation

See Spare Parts List on Page 8 for Part Numbers (P/Ns).

Mounting Dimensions

233 mm x 145 mm x 51 mm

Mounting Options (see figures)

  Standard VESA 100 Mount

  Magnet

Mounted on a VESA monitor mount

Magnet Detail

Electrical Connections

1. Connect the 4 Pin M8 Power Cable from the TITAN VERSA Remote Screen port to the 3 Pin M8 Connector on bottom of the Remote Screen using the included power cable.

2. Connect Ethernet Cable from Titan Versa Ethernet Port to Ethernet Port on the Remote Screen.

HMI Functions

1. Main Menu Screen

The Main Menu screen navigates to various configuration settings and device

information. Refer to figure above:

- Settings: Configuration settings for the device.
- About: Device Information and Software Update tool.
- Versa View: View portal for the Titan Versa.
- Atlas View: View portal for the Atlas charge controller.

2. View Screen (VERSA or Atlas)

- The View screen is where the connected Instrument can be viewed and controlled. If there is no active connection, the screen will display a status message and controls to connect as shown below. Both current View screens are functionally identical.

- The Menu screen can be accessed from this screen by pressing the Menu button onscreen in the top-left corner.
- When a connection is active, the instrument screen will be displayed.

3. Settings
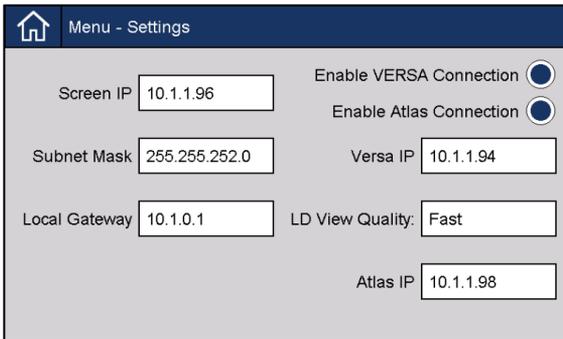
- Screen IP

    This is the IP Address of the screen. It must be on the same local network of the VERSA and/or Atlas in question. For assistance, contact your IT administrator or consult the Operation Section.

- Local Gateway and Subnet Mask

    - These will be unique to each network.
    - If connecting the VERSA Remote Screen and/or Atlas Controller directly to each other, please consult the Operation Section for default values.

- Enable/Disable TITAN VERSA and Atlas Connection

    - Configure if the Remote Screen will be used to communicate with a TITAN VERSA, an Atlas controller, or both.

- Settings and screens will be enabled or disabled based on these selections.

- LD View Quality

  - This setting determines if network bandwidth should be used to prioritize high image fidelity or fast response time. This currently only applies to the TITAN VERSA.

- Versa/Atlas IP Addresses

  - These are the addresses of the remote VERSA and Atlas. These must also be configured on the instrument in question and be on the same network as the Remote Screen.

4. About Screen

This screen contains information about the device such as the network hardware address, software version and serial number. These cannot be changed.

The Software update tool can be accessed using the Update Software button.

5. Software Update
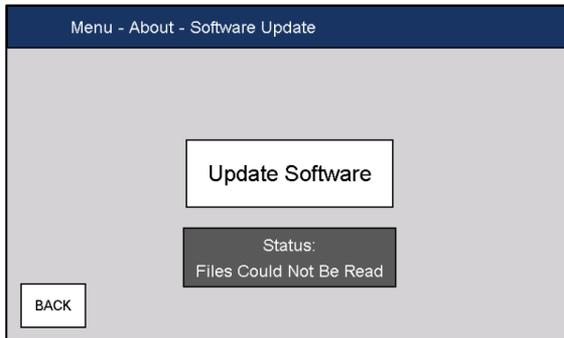
See the Operations section for more information on the Software Update functionality.

Operation

Software Setup on TITAN VERSA Leak Detector

1. Power on the TITAN VERSA.

2. Once the instrument is powered up fully, navigate to the Ethernet settings located in Menu > System > Communications.

3. Enter the IP address and other network information for the VERSA, either from an IT professional or using the default values specified in the Default Parameters section.

4. Ensure that both Ethernet and VNC are also enabled. Note that your network information may be different than in the example below.

Software Setup on Remote Screen

1. Navigate to the Settings screen.

2. Enter the network information for the Remote Screen.

3. Finally, enter the IP Address for the target TITAN VERSA. See below:

Note that the displayed values here can be used as defaults.

Software Setup on Atlas Controller

1. Navigate to the IP config screen by holding the top right corner of the Atlas screen for 3 seconds and pressing UniApps -> Network -> Ethernet.

2. Set the IP.

Note that your network information may be different then shown in the figure below. More information about the Atlas functionality and setup can be found in the Atlas manual (SMT-07-1025).
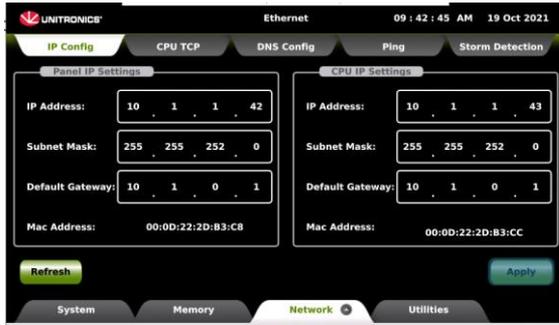
Default Parameters

If network parameters are not known, and the Remote Screen, VERSA, and/or Atlas are directly connected instead of connected through a network. Therefore, enter the following parameters:

Screen:

IP Address: 10.1.1.96
Subnet Mask: 255.255.252.0
Local Gateway: 10.1.0.1

TITAN VERSA: *(These settings must also be applied on the Versa)*

IP Address: 10.1.1.94
Subnet Mask: 255.255.252.0
Local Gateway: 10.1.0.1

Atlas: *(The Atlas has these set from the factory)*

IP Address: 10.1.1.98
Subnet Mask: 255.255.252.0
Local Gateway: 10.1.0.1

Note that the Atlas is a special case that may require a direct connection **with the screen IP set to default** to change the factory IP address.

Some models of Atlas are not equipped with a screen at all and are controlled entirely through the Remote Screen, Therefor, in order to change the IP address on the Atlas controller, it must be directly accessed using the factory settings first.

Operation

1. Once the network information has been applied to the instruments in question and the Remote Screen, navigate back to the Main Menu.
2. To access the instruments configured for viewing, press the corresponding view button.
3. Then, press the connect button on the corresponding View screen. Refer to the figures below:

 VERSA VIEW

 ATLAS VIEW

4. If the connection fails, ensure that the IP information has been set properly and there are no IP conflicts on the network.

5. Once connected, operation is identical, whether the user is using the touch screen on the VERSA or the Atlas if so equipped.

See the Main TITAN VERSA manual (SMT-07-1037) or the Atlas manual (SMT-07-1025) for more detailed information on instrument operation.

Other Functionalities

1. To disconnect, view other connected instruments, change settings, or access other functionality, press the Physical Menu key on the bezel to return to the Main Menu.

2. The other physical buttons (Option, Start/Stop) mirror the functionality of the buttons on a VERSA. They do not have any functionality while using an Atlas controller.

Software Update (via USB)

Software updates will be made available on the LACO Technologies website or can be provided upon request.

1. The software will be provided as a zip archive. Extract these files and then copy the files onto the base directory of a flash drive.

2. The three files that should be visible are:

   - ScreenUpdate.tca
   - ScreenUpdateKey.txt
   - LACOFirmware.ghi

3. Insert the flash drive into USB port on the Remote Screen.

4. Navigate to the Software Update tool in the About Screen.

5. Press the Update Software button. When the update is complete, the unit will reset and apply the update. If the update fails, a status message will appear.

Maintenance and Support

Spare Parts List

P/N	DESCRIPTION
LMSA3510	Ethernet Cable: 1M
LMSA3508	Ethernet Cable: 3M
LMSA3511	Ethernet Cable: 5M
TV5843	M8 Power Cable: 1M
TV5844	M8 Power Cable: 3M
TV5845	M8 Power Cable: 5M
YA2040	VESA100 Monitor Mount
LMSA6088	CR2032 Coin Cell

Maintenance

- CR2032 Battery Replacement
  1. Replace every 3 years. Failure to replace will cause loss of configuration settings.
  2. Consult LACO for detailed instructions on this process.

Troubleshooting

Issue	Solution
Will Not Connect	Power cycle the screen by holding Menu button for 5 seconds. Check IP Address settings. Ensure that Ethernet and VNC are enabled on the TITAN VERSA. If connected to a network, consult an IT professional.
Settings lost on power down	Replace CR2032 Battery.