

# Smartpack R Controller

## Ports and Navigation

### LCD Display with Navigation Buttons

Work in three modes:

- **Status mode** – Rotating screens show current status.
- **User mode** – Read settings and monitors without password.
- **Service mode** – Adjust settings and run tests

For full configuration, use web browser interface.



**Status LEDs** – Green: Power on, Amber: Minor alarm, Red: Major alarm

### USB (2.0), Type A

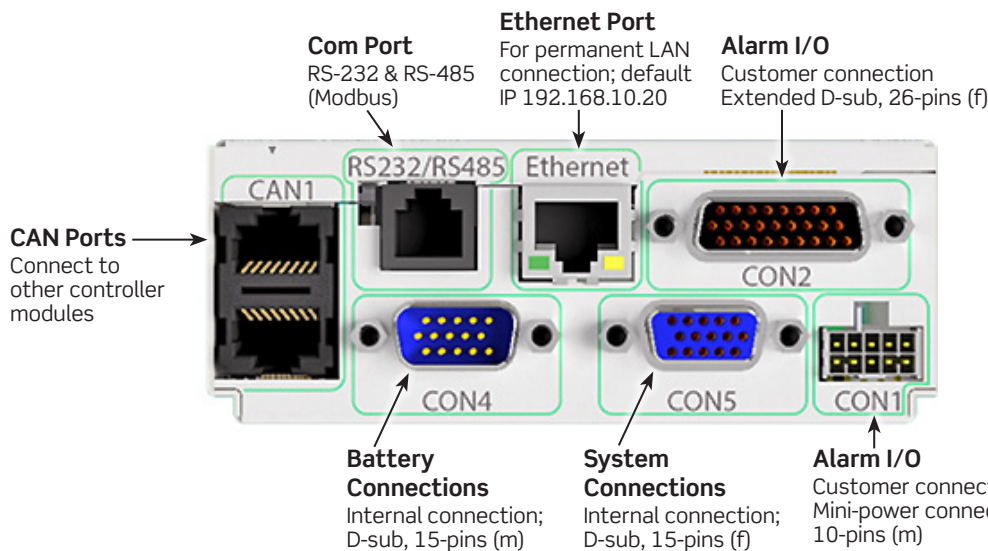
Connect memory stick, devices, or wi-fi dongles.

- Fixed IP address of 10.20.0.1; no LAN routing from this port).
- Also can be used to transfer configuration from old Smartpack controller before installing Smartpack R.

### USB (2.0), Type B

Can be used to connect computer to controller.

- Fixed IP address of 10.10.0.1; no LAN routing from this port.
- In Windows 10, RNDIS Gadget driver is required; see online help.



### Smartpack Retrofit and Communication Ports

To retrofit an older system, you can transfer the configuration file from your older Smartpack 1 controller, by connecting the USB Type B port on the older controller to the USB Type A port on the Smartpack R controller.

In general, the Smartpack R has identical pinouts for rear connections to replace the previous Smartpack controller (ver. 118; with interface card 200625).

For additional details about ports, navigation, and operation, see the *User Guide: Smartpack R Controller*, Doc. No. 350166.013.

### Password Recovery Feature

After installing a Smartpack R controller, be sure to set a password recovery email address, when configuring the controller.

To set a password recovery email address, use the web browser interface, and go to: **System Conf. > Device Settings > Local Accounts**. This address must be entered during configuration; it cannot be set after the password has already been lost. Further details can be found in the documents referenced below, under “Additional Information.”

#### Local Account Settings

Password minimum length	<input type="text" value="8"/>
Username and Password must be different	<input checked="" type="checkbox"/>
Retries before suspension	<input type="text" value="3"/>
Password must be different from the 5 previous	<input checked="" type="checkbox"/>
User suspension time[Min]	<input type="text" value="10"/>
Password recovery email-address	<input type="text" value="user@domain.com"/>

### Additional Information

For additional information about features and configuration of the Smartpack R controller, see the *User Guide: Smartpack R Controller* (Doc. No. 350166.013; *Configuration Guide: Eltek Controllers* (Doc. No. 370013.063); and *User Guide: Eltek Web Controller Interface* (Doc. No. 370035.013). Information is also available online, by logging in to the online help at [onlinehelp.eltek.com/functionality2](http://onlinehelp.eltek.com/functionality2).

# Smartpack R Controller

## Using the Web Browser Interface

**NOTE:** To configure the system in the browser interface, you must be logged in as an administrator. Default credentials are:

**User name:** admin

**Password:** admin

To set up TCP/IP communication (in order to connect a computer to the controller via Ethernet or USB Wi-fi dongle):

1. Using the web browser interface, go to: **System Conf. > Device Settings > Network Settings [TCP/IP Setup]**.
2. Choose the tab for the port to be used for the connection, and enter any required parameters.
  - **eth0** – Rear Ethernet port. Default IP: 192.168.10.20. IP settings assigned automatically (DHCP), if your network supports this capability. Otherwise, obtain IP settings from your network administrator. Supports IPV4 and IPV6.
  - **eth1** – Front USB (Type B) “craft” port. Fixed IP address 10.10.0.1. Any device running a DHCP client, connected to this port, will be given an IP address. Supports IPV4. In Windows 10, RNDIS Gadget driver is required; see online help at [onlinehelp.eltek.com/functionality2](http://onlinehelp.eltek.com/functionality2).
  - **eth2** – Front USB (Type A) port. Requires a USB Gigabit Ethernet adapter. IP settings assigned are automatically (DHCP), if your network supports this capability. Otherwise, obtain IP settings from your network administrator. Supports IPV4 and IPV6.
  - **wlan0** – Front USB (Type A). For connecting (supported) Wi-Fi dongles. Fixed IP address 10.20.0.1. Any device running a DHCP client, connected to this port, will be given an IP address. Supports IPV4.
  - **wwan0** – Front USB port (Type A). For connecting a 4G USB cellular modem. Supports IPV4.



### Home Page

The home page provides an overview of system status, and includes navigational links for controller configuration.



### System Configuration

Use this section to interrogate the system, and to make changes or reprogram the system to factory default parameters. Administrators can program basic system parameters, network configuration, system voltages, system calibrations, generator configuration, rectifier configuration, solar charger configuration, DC-DC converter configuration, battery configuration, battery test and battery boost configuration, symmetry configuration.



### Alarm Configuration

Use this section to configure the system LVD devices and system alarm tables, to create/delete and to enable/disable alarms and alarm groups, enable/disable inputs and outputs of the system, program alarm parameters and severity levels for AC mains alarm, generator alarm, rectifiers alarm, solar chargers alarm, DC-DC converters alarm, load alarm, battery alarm, inputs/outputs alarm, and control system alarm.



### Logs

This section is read-only. Use this section to view and save logs about events, data, energy, mains, generators, battery cycles, battery tests, battery run time, output run time, and DoD cycle count. To access the change log and accounts logs, you must be logged in as an administrator.



### Commands

Use this section to execute commands to start and stop specific functions of the power system. Commands include resetting alarms, starting/stopping battery tests, starting/stopping battery boost, resetting system configuration, and executing relay tests; loading and saving configuration files are also performed in this category.



### Logout/Login

Use this button to log in or log out of the controller. You must be logged in as administrator, in order to configure the controller.