

SP PRO Ethernet Adaptor Lead for LAN connection Installation Notes



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Introduction

Connecting a SP PRO series II inverter to a local area network (LAN) requires an optional adaptor lead and a simple configuration of SP LINK. Once connected the SP PRO can be accessed via SP PLINK from any PC computer connected to the same LAN.

The adaptor lead is also suitable for connection to the SP PRO series I with the addition of a "Powered Console DB9M-RJ45 lead" (Stock code 004349).

Attention

When using the Ethernet Adaptor lead connection both the USB and the COM1 connections are not available. If a USB connection is required at the SP PRO inverter then first unplug the Ethernet adaptor from the DB9 connector in the SP PRO, plug in the USB lead and connect to computer. When the USB connection is concluded simply unplug the USB lead and reconnect the Ethernet lead. The SP PRO will again be available on the LAN.

Overview

The diagram shows the configuration of the Ethernet adaptor lead.



Ethernet adaptor
lead plugged into
SP PRO



PC connected to the
LAN



Connect to LAN via Hub,
wireless router or wired
router using network cable

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Installation Notes



System Requirements

To successfully install the Ethernet Adaptor lead the following system requirements need to be met.

- The computer operating system must be Windows XP, Vista, Windows 7 or Windows 8. (PLEASE NOTE that Windows 8 RT is NOT suitable).
- You must have administrator rights for the computer to install SP LINK software.
- Your Local Area Network must have an active DHCP server (which is the case for most networks). The DHCP server automatically assigns the SP PRO its IP address.
- Suitable for a SP PRO Series II (revision 20 or greater).
- *Can be used with a Series I SP PRO with the addition of a "Powered Console DB9M-RJ45 lead" (Stock code 004349).*

Installation

1. Check that the Communication Port 1 Baud rate is 57600. This is the default setting and should be correct if it was not changed during installation of the SP PRO.

If you are not sure of the Baud rate setting then

- Connect a computer with SP LINK installed to the SP PRO inverter using the cables supplied with the SP PRO and following the instructions in the SP LINK manual (found in the "help" menu of SP LINK).
- Go to the "Configuration Setting" tab and click on "Get SP PRO's configuration" button.
- Click on the "System" tab and check the "Port 1 Baud rate".

Site Information Configuration Settings QuickView Data View Service Settings

Configuration File C:\SP PRO Sites\Selectronic Demo System\Selectronic Demo System Config1.SPLC

Get SP PRO's Configuration
Configure SP PRO

Quick Start

Unit Application	Battery Type	AC Source Power [0.1 - 62.5 kVA]	SoC Control	Battery Capacity [100 - 10000 Ah]
Off Grid	Sealed	2.4 kVA	Enabled	660

Inverter Battery Charger AC Source System* Inputs / Outputs Shunts Expansion Card Wiring Diagram

Alarm Beeper
Locked Out

Lock Out Start Time
[00:00 - 23:59]
22:00

Lock Out End Time
[00:00 - 23:59]
08:00

AC Source Disconnect Beeper
Disabled

Time
"Year to Date" Rollover Date
[dd/mm]
01/01

Detailed Data Log Interval
15 min

Power Up Output Mode
Power Up Output Mode
Idle

Automatic Fault Recovery
System Fault Recovery
Enabled

Unit Fault Recovery
Enabled

Communication
Port 1 Baud Rate*
57600

Port 1 DTR/DCD
Enabled

Port 2 Baud Rate
9600

Port 2 DTR/DCD
Enabled

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Unplug the USB lead from the SP PRO series II inverter then plug the Ethernet adaptor lead into the DB9 connector at the base of inverter. Screw in the thumb screw on each side of the DB9 plug. This will prevent the Ethernet adaptor lead from falling out.

Using the supplied network cable connect the other end of the Ethernet adaptor plug into your local network. If the supplied cable is not long enough then any standard network cable may be used.

Connect this end
to network cable



Connect this end to
the SP PRO

CONNECTING COMPUTER TO SP PRO

1. Install SP LINK software found on the USB stick provided. (if not already installed). SP LINK must be version 7.4 or greater.
2. Check that the computer is connected to the LAN
3. Run SP LINK and create a site file following the instructions in the SP LINK manual (found in the "help" menu of SP LINK).
4. Click on "Connection Settings" under the "Site Information" tab and set Connection Type to Network.
5. Enter 10001 in the "Port" settings then click "Scan Local Network" button to find the SP PRO inverter's IP address. This will appear in the Detected devices box.
6. Double click on the found IP address and this will appear in the "Hostname or IP address" setting.
7. Click the "Connect" button to connect to the SP PRO inverter.

Useful Hints

1. If more than one IP address is detected then note all the IP addresses. Disconnect the Ethernet Adaptor Lead from the network and perform another "Scan Local Network". The IP address that does not appear is that of the SP PRO.
2. If the SP PRO has been disconnected from the network for a period of time then its IP address may have changed and connection cannot be made. If this occurs then use "Scan Local Network" to find the new IP address.
3. If you wish to make the SP PRO connection available anywhere on the internet then download Technical note TN0028 from the web site and follow the instructions. Please note that this document is only given as a guide and as all network configurations are different Selectronic is unable to provide any further support.

For further information – <http://www.selectronic.com.au> or contact the Selectronic Sales Team.

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