

PXL-250/SB-293 Startup Checklist

This document is a checklist for installing a PXL-250 or an SB-293 into an access control network. Please refer to the PXL-250 Quick Start Guide (P/N 01835-002), the SB-293 Quick Start Guide (P/N 01837-003), and the PXL-250 Technical Reference manual (P/N 01836-004) for detailed information on how to perform the tasks on this checklist.

1.0 Controller Verification

Before turning controller power ON:

- Verify all wiring connections are secure and are made to the correct Terminal Block pins.
- Verify a good earth ground has been connected to TB-2, pin 3.
- If the controller is not using a door contact switch, verify a door switch input jumper is connected between TB-4, pins 1 and 2.
- Verify transient suppression has been installed on all electrical devices connected to a controller's outputs.

If this is a PXL-250W Wiegand controller:

- Verify the JP-4 Wiegand reader voltage supply jumper is set correctly.

NOTE: Most Wiegand readers use 5VDC. If 12 VDC is applied to a 5 VDC reader, the reader may be damaged. Keri Systems, Inc. cannot be held responsible for a reader damaged in this way.

If this is an SB-293 Satellite board:

- If the controller is not using a door contact switch, verify a door switch input jumper is connected between TB-8, pins 1 and 2.
- Verify JP-12, the 2-Door/Input-Output configuration jumper is set correctly:
OFF for 2-Door control – ON for general purpose I/O

Powering the controller for the first time:

- Verify 12 VDC is supplied to the controller.
- Reset the controller's RAM.
- Set the controller's address.

If this is the Master Controller:

- If the controller is directly connected to the host computer, verify the correct communication cable is being used.
- If an external modem is used for communication with the host computer, verify modem cabling. The modem must be connected and powered on before the controller is powered on; the modem and controller cannot be powered on at the same time.
- Verify the controller's address is set to 1.
- Verify the Master Controller is the last one on the network to be powered on.

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2.0 Network/Host Computer Verification

NOTE: If a new controller is being added to an existing access control network or an SB-293 is being added to an existing controller, skip to the Adding a New Controller/SB-293 section near the bottom of page 2.

Host Computer:

- Verify the host computer meets the *Doors32*TM software, hardware, and operating system requirements.
- Verify the COM port to be used for network communication is operational.
- Verify the host computer's time and date are correct.

Doors/Network Configuration:

- Verify the *Doors32* software is installed.
- Verify the *Doors32* communication parameters are configured properly.
Under the Setup > System > Network Configuration tab:
 - Verify the correct COM port has been selected.
 - If a modem is being used, verify the correct PC and Remote Phone Numbers have been entered.
 - Verify the *Doors32* program has been restarted to configure the *Doors32* program with the communication parameters.
- Verify the access control network has been updated.
Under the Setup > System > Controllers tab:
 - Verify the Auto Config command has been performed.
 - Verify the Set Time command has been performed.Under the Setup > System > Controller Status > Stat All command:
 - Verify all controllers and doors are recognized.Under the Operate > Doors command:
 - Verify all controllers/doors have been updated.

Once everything checks out, the access control network is ready for programming with the *Doors32* database.

3.0 Adding a New Controller to an Existing Network or Adding an SB-293 to an Existing Controller

Under the Setup > System > Controllers tab:

- Verify the Auto Config command has been performed.
- Verify the Set Time command has been performed.

Under the Setup > System > Controller Status > Status command:

- Verify the new controller and door is recognized.
- Verify the door has been entered into the appropriate access group(s) as needed and any other database changes have been made.
- Verify the access control network has been updated with the new database information.

Under the Operate > Doors command:

- Verify all controllers/doors have been updated.

Once everything checks out, the new controller or SB-293 is ready for programming with the *Doors32* database.