

PanL PD70/PD70PLUS Quick Start Guide

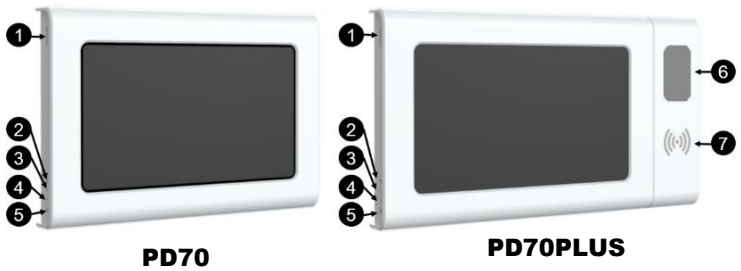


Please visit <http://panlshop.com/warranty> or scan the QR code for warranty registration with the UUID and Product Key below:

STICKER AREA



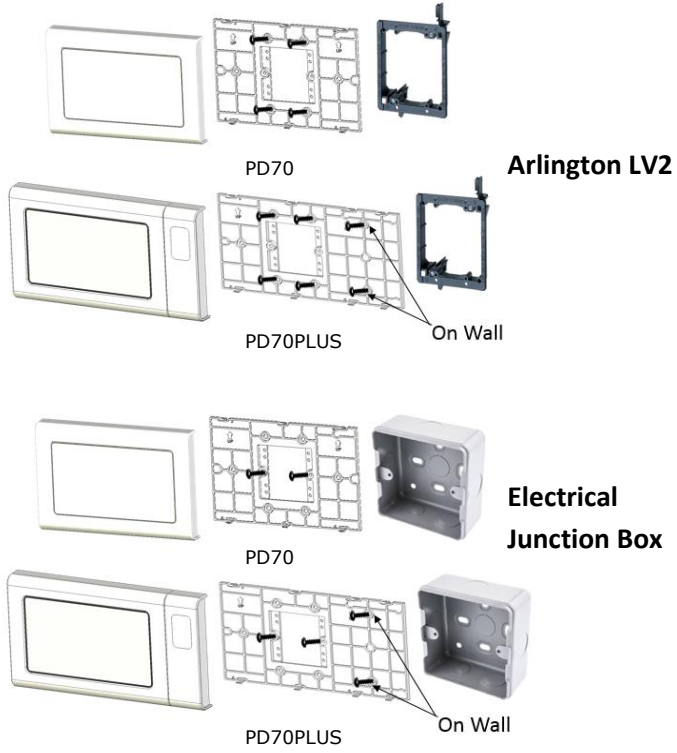
Product Features



- 1 Buzzer**
- 2 Ambient Light Sensor** - Automatic screen brightness control
- 3 Reset Button**
- 4** Reserved for factory use
- 5 Status indicator** - Refer to the LED Status Indicator section for more details
- 6 System Indicator** - Refer to application user guide for more details
- 7 RFID Reader** - Refer to RFID Reader section for more details

Wall Mounting

- Mount the PD70/PD70PLUS back cover either on an Arlington LV2* bracket (Four pieces of 3.5mm x 16 mm, min. length 12mm self-tapping screws are provided) or on a standard electrical junction box (86mm x 86mm x 40mm screws; min length 12mm; max. length 20mm- not provided). Two additional on wall screws are provided to secure PD70PLUS.

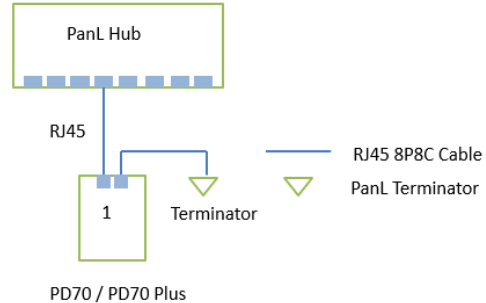


- If connecting multiple PD70/PD70PLUS displays to a single PanL Hub port, set the ID switch. Refer to the section - **ID Switch Configuration** for details.
- Connect RJ45 8P8C cable and add a terminator. Refer to the section **Display Installation** for details.
- Install the front panel on back cover and secure the panel.

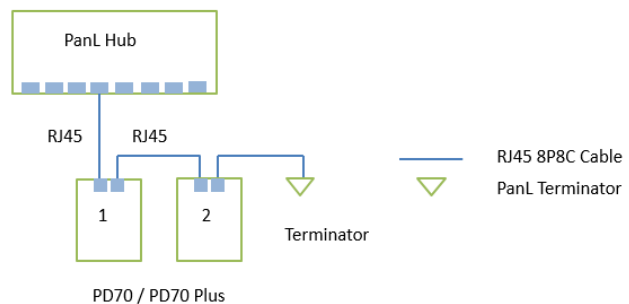
*Arlington LV2 low voltage mounting bracket and electrical junction box are not part of the package.

Display Installation

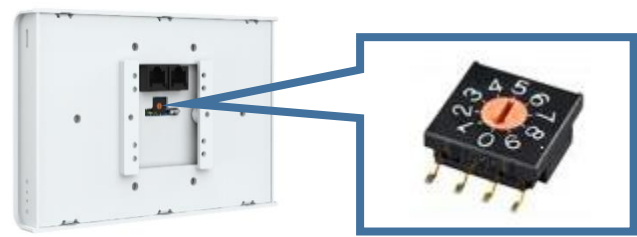
For a single PD70/70PLUS connection to a PanL Hub port, the maximum length of the RJ45 8P8C cable is 100 meters. Connect the terminator provided in PanL Hub box to the unconnected PD70/70PLUS port.



For multiple PD70/PD70PLUS connection to a single PanL Hub port, the 1st connection to PanL Hub and the subsequent connections in between the PD70/PD70PLUS displays must not exceed 50 meters in cable length. The total combined cable lengths must not exceed 100 meters. Connect the terminator provided in PanL Hub box to the last unconnected PD70/PD70PLUS port. A maximum of two PD70/PD70PLUS can be connected to a single hub port as shown below:



ID Switch Configuration



For multiple PD70/PD70PLUS connections to a single PanL Hub port, the ID switch at the back of the displays must be configured to be unique. Using a Philip head screw driver, set a unique number for each display between **0-7 (do not use 8- 9)**. For example, if connecting 2 PD70 / PD70PLUS to a PanL Hub port, you may set it as **0 and 1**. Displays connected to different PanL Hub ports can share the same unique number.

RFID Reader (PD70PLUS only)

The built in 13.56MHz RFID reader supports ISO/IEC 14443 A/MIFARE and NTAG. The internal transmitter is able to drive a reader antenna designed to communicate with ISO/IEC 14443 A/MIFARE cards. The receiver module provides a robust and efficient implementation for demodulating and decoding signals from ISO/IEC 14443 A/MIFARE compatible cards and transponders. The digital module manages the complete ISO/IEC 14443 framing and error detection (parity and CRC) functionality.

LED Status Indicator

The LED indicator at the side of the PD70/PD70PLUS shows different display status as detailed in the table below -

Status	LED Color (Normal Mode)		LED Color (Failsafe Mode)	
Booting Up	Red		Red	
Boot Success	Green		Red (Blink – slow speed, twice a second)	
Lost Link To Hub (For PD70)	Yellow		Red (Blink – medium speed, five times a second)	
Communication Error (For PD70 PLUS)	Red (Blink – slow speed, every second)			
While communicating with Hub	Green (Blink – fast speed, ten times a second)		Red (Blink – fast speed, ten times a second)	
Waiting for Recovery	NA	NA	Red <-> Green (Alternate blink – slow speed, twice a second)	
Recovery in Progress	NA	NA	Red <-> Yellow (Alternate blink – slow speed, twice a second)	
Recovery Done	NA	NA	Green (Blink – fast speed, ten times a second)	
Waiting for Configuration	Yellow (Blink – slow speed, twice a second)		NA	NA

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a building installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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 Radiation Exposure Statement

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment and it also complies with Part 15 of the FCC RF Rules. This equipment must not be co-located or operating in conjunction with any other antenna or transmitter.