



DIGITALINX

VALUE-ENGINEERED DIGITAL SOLUTIONS

DL-ARK Quick Install Guide



DL-ARK-3H1VC

DL-ARK-4HC

This guide is for quick installation only.
For complete owners manual go to www.libav.com or use a QR reader to access the manual via QR code below.



Scan QR Code with your Smart-phone or Tablet



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Product Overview

The Digitalinx DL-ARK Advanced Room Kit is a multi-function A/V distribution and push button control system designed to provide audio, video and USB 2.0 data extension with complete system control all in one convenient system. Only two solid core, shielded Category 6 cables are required to connect the entire system together which consists of one HDBaseT wall plate transmitter, one HDBaseT receiver and one keypad controller. All the power needed for the keypad and wall plate transmitter is provided by the receiver via Category cable / HDBaseT.

There are two systems available in the series; the DL-ARK-3H1VC features 2 HDMI inputs and 1 VGA with audio input on the wall plate transmitter and the DL-ARK-4HC features 3 HDMI inputs on the wall plate transmitter. Both HDBaseT transmitters features a USB B host port for connection to a computer or host and a dedicated audio input that is independent of all video inputs. The DL-ARK HDBaseT receiver for both systems provides an additional HDMI input for a local A/V input, an HDMI output for a display or projector, a 3 port client USB hub for connection to interactive white board or USB mic / camera, a two port LAN switch, mic / line analog audio input, line audio analog output, 40 watt 70 volt power amplifier output and an RS232 and IR output for display or projector control either by keypad controller or web server. The DL-ARK control keypad for both systems features audio and video input selection control for all A/V inputs, variable audio control for the mic/line input, line audio output and amplified audio output from the DL-ARK receiver and can control a connected display or projectors ON and OFF status via RS232 or IR from the receiver as well. The DL-ARK systems are UL Listed.

Several DL-ARK systems can be remotely managed by the DL-ARK system management software which allows centralized status view and control of a system from anywhere on the LAN.

Connectivity Instructions

1. Verify all components included with the DL-ARK A/V system are present before installation.
2. If the receiver is going to be permanently mounted to a surface or A/V box, attach the included mounting brackets with the supplied screws.
3. Turn off power and disconnect the audio/video equipments by following the manufacturer's instructions.
4. Connect Category 6 or greater twisted pair cable between the DL-ARK control pad and transmitter up to 30m / 100', then connect a Category 6 or greater cable between transmitter and the receiver up to 70m / 232'. TIA/EIA-568B straight-through wiring connections must be used.
5. Connect an HDMI cable no greater in length then 5m / 16' and any desired IR or RS232 control accessories between the display and the DL-ARK receiver.
6. Connect an HDMI cable no greater than 5m / 16' in length between the source and the DL-ARK transmitter.
7. Mount the keypad and wall plate transmitter.
8. Connect the included power supply to the DL-ARK receiver and lock the power supply to the power connector by twisting the locking collar clockwise.
9. Power on attached audio/video devices.

Cabling Wiring Requirements

HDBaseT Cabling

To ensure proper performance of the DL-ARK, it is recommended that you use solid core, shielded Category 6 F/UTP cabling at a minimum between control pad and transmitter and between transmitter and receiver. Category 5e F/UTP may perform well but may not support power over HDBaseT reliably over longer distances.



When using shielded category cabling *ALWAYS*...

-use shielded connectors
-properly ground the category cable

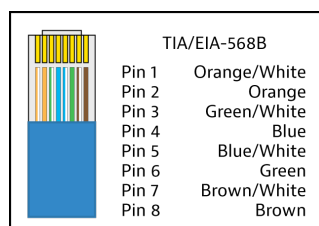
For optimized HDBaseT performance use the following Liberty Wire and Cable branded cabling;

Category 6 plenum; **24-4P-P-L6SH**

Category 6A plenum; **24-4P-P-L6ASH**

Category 6 NON-plenum; **24-4P-L6SH**

Category 6A NON-plenum; **24-4P-L6ASH**



Twisted Pair Wiring

Use TIA/EIA-568B wiring for Category 6 connection between send and receive units.

Thank you for your purchase.

For Technical Support please call our toll free number at
800-530-8998 or email us at supportlibav@libav.com

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Digitalinx is a brand of:



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