

KCW-D/B

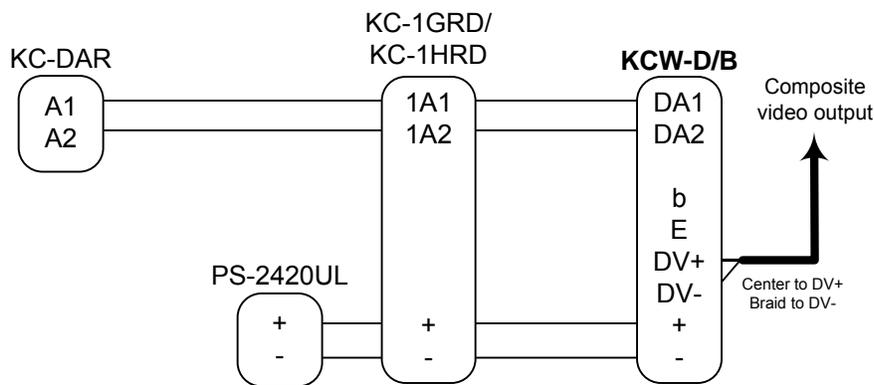
Video Demodulator

- INSTRUCTIONS -

The KCW-D/B adaptor converts the 2-wire video signal from the KC, JA, & JF systems to a standard composite video signal. This allows the image from the door station to be seen on a standard CCTV monitor or TV (video input). The video image can also be recorded if connected to a DVR or other recording device.

WIRING DIAGRAMS:

KCW-D/B for Composite Video Output from a KC Monitor

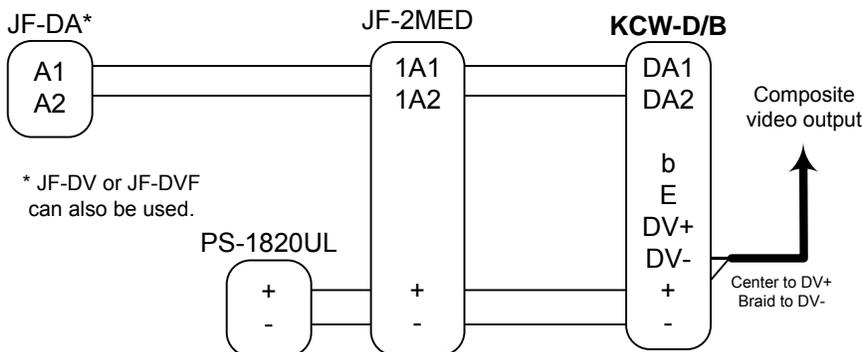


KCW-D/B TERMINAL DEFINITIONS:

- DA1/DA2 2-Wire input from monitor
- DV+ Coax output: Center conductor
- DV- Coax output: Braided shield
- b Not functional
- E Not functional
- + Positive 18/24V DC
- Negative

Output Signal:
75 ohm, 1V peak-to-peak.
Coax: Solid copper core with copper braid.

KCW-D/B for Composite Video Output from a JF-2MED Monitor



* JF-DV or JF-DVF can also be used.

KCW-D/B for Composite Video Output from JA-2MCD or JF-2MED Monitors

The JA and JF-2MED series master monitors include a built-in video output as a standard feature. The connector to access that output is provided with each of the JA and JF master monitors.

While the KCW-D/B adaptor will work as a video output device with these monitors, it is recommended to use the built-in video output whenever possible. Refer to the JA/JF product instructions for further details about the built-in video output connection. If using the KCW-D/B with these monitors, connect as shown above.

Note: When using the built-in video output, video is present only when the master monitor is in use. If you require video to be present at the output when any monitor in the system is used, the KCW-D/B adaptor would be required.

OPERATIONS:

Using the KCW-D/B for VIDEO OUTPUT with the KC, JA, and JF systems:

1. When a call is initiated from the door station, the monitor will ring and the picture will activate. At that time, the video signal out of the KCW-D/B adaptor will be present, and the picture can be seen on the CCTV monitor(s).
2. The video output can be connected to any receiving device that accepts a composite video signal (75 ohm, 1V peak-to-peak). This could be a standard CCTV monitor, multiplexer, DVR, or an adaptor that modulates the video onto a cable TV channel. To take the video signal directly into a TV, use a spare video input or go through the proper modulator.

NOTES:

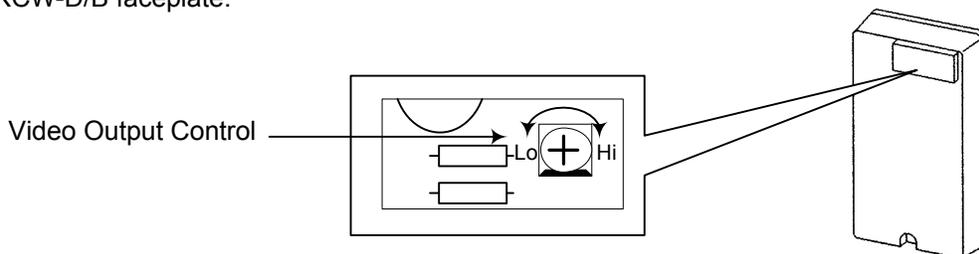
When the MONITOR button on any monitor is pressed, the video will turn on for approximately 30 seconds to 2-½ minutes (depending on system), and video signal will be sent to the monitor via the KCW-D/B.

Using the Demodulator to integrate a KC-DAR video door station with a standard CCTV monitor: (No audio communication or Tilt is possible with this application.)

The KCW-D/B adaptor can be used to integrate a KC video door station with a standard CCTV monitor or DVR system. Modification is required. Contact Technical Support (tech@aiphone.com) and request the modification information.

Video Output Control:

Using a small screwdriver, adjust the Video Output Control to obtain the correct level for the CCTV device you are using. The Video Output Control is located under the rubber cover on the upper right hand corner of the KCW-D/B faceplate.



SPECIFICATIONS:

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|----------------------|--|
| Power: | 18 or 24V DC. Use Aiphone model PS-2420UL or PS-1820UL |
| Current consumption: | 500mA |
| Wire: | 18AWG, 2-conductor non-shielded Use Aiphone wire #871802 |
| Wiring distance: | ALL DISTANCES ARE WITH 18AWG WIRE. |
| Demodulator: | Max. 30' from monitor when used for video output. Max. 330' from KC door station when used with a standard monitor. |
| Power supply: | Max. 16' to KCW-D/B |
| Dimensions: | 5-1/2"H x 3"W x 1-1/2"D |
| COAXIAL CABLE: | 75 ohms, solid copper center conductor, copper braid, 95% coverage. |
| DC resistance: | Max. 15Ω per 1000 feet |

Note:

Only information pertaining to the connection and operation of the KCW-D/B and connection of a standard video monitor is included here. For complete installation, wiring, and operational information, please refer to the appropriate Installation Manual.