

Application

Title: Adding DDC support to the VDS/AVDS product line

No: 200703-03contact: minicom.technical@minicom.com**Summary: How to add DDC support to the VDS & AVDS systems**

More Information:

Our VDS/AVDS Transmitter & Broadcaster units do not transmit DDC information from the monitor to the PC.

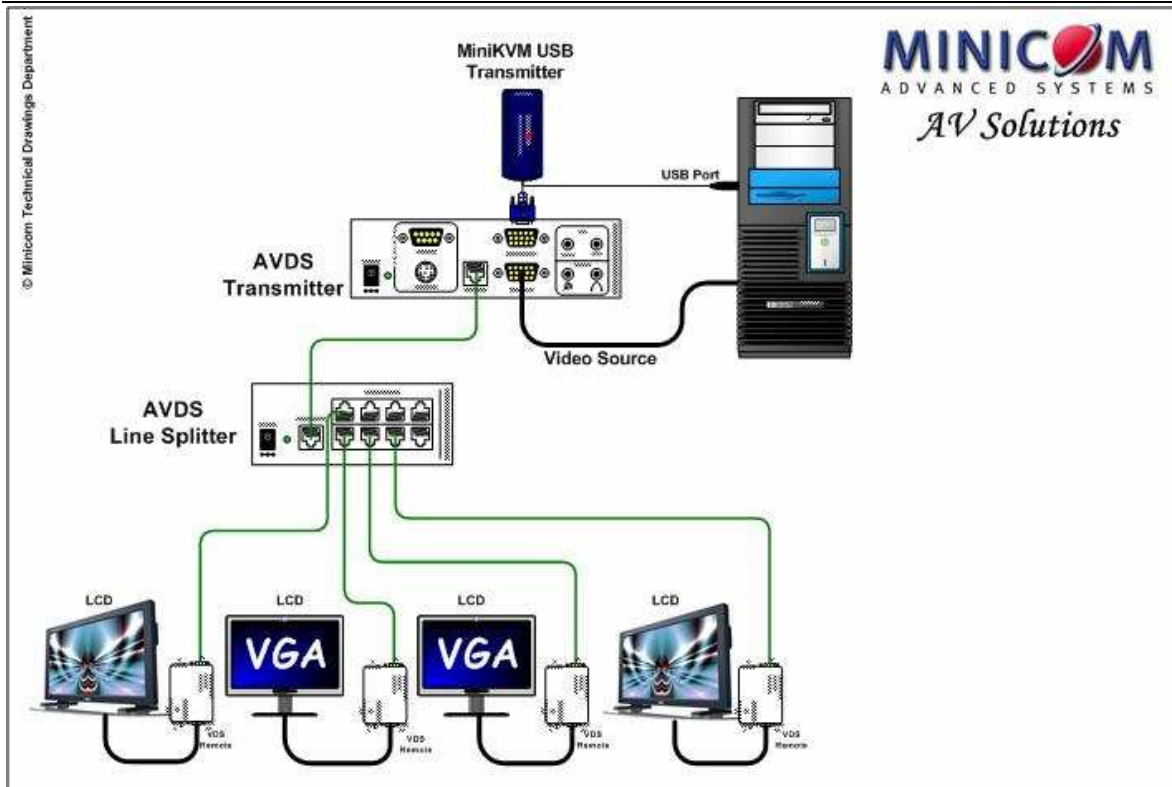
In the digital signage industry DDC is also referred to as EDID (Extended display identification data). Some video drivers use this information to identify the type & model of monitor connected, and then determine the resolution & refresh rate required to support it. Lacking this information may disable the user from adjusting the screen resolution to the correct setting, unless the monitor was connected directly to the PC.

To be able and set your screen resolution accordingly you may try to uncheck "Hide modes that this monitor cannot display" in the Monitor tab of the PC display card properties (look below)



If the above does not solve the problem you need to connect the same remote monitor to the Local VGA port of the VDS/AVDS Transmitter or Broadcaster units.

Another more cost-effective solution would be to connect a MiniKVM Transmitter to the local VGA port (see the diagram below)



Before you connect the MiniKVM Transmitter to the VDS/AVDS you need to update it with the actual monitor DDC information

To do this:

1. Connect the MiniKVM Extender Transmitter to the PC, Connect a keyboard, and the monitor you want to read the DDC information from to the MiniKVM Extender Receiver Then connect a CAT5 cable between the two units.
2. When the PC is powered on, press the following keys on the keyboard: SHIFT, TAB, D. (Press and release each key before pressing the next key), All 3 LEDs on the keyboard will flash a few times. Wait 30 - 60 sec and then press the ESC key.

The DDC information from the monitor is now stored in MiniKVM Extender Transmitter memory.

3. Disconnect the Mini-KVM Receiver. Disconnect the MiniKVM Transmitter VGA cable from the PC and connect it to the local VGA port of the VDS/AVDS unit. Each time you reboot the server its operating system will detect the remote monitor in order to set it to required resolution.

Note! If you change the MiniKVM Extender Transmitter or if you change the monitor and want to emulate the new monitor DDC information, repeat the above procedure.