

BROADCAST TECHNICAL NOTE 26.1

28TH AUGUST, 2019

CONNECTING A LAPTOP DIRECTLY TO A VIA CODEC

PURPOSE

This tech note explains how to connect a PC directly to a ViA codec when a LAN is unavailable. Note: If you use a USB to Ethernet adapter with a laptop this procedure may not be required.

ENTER A STATIC IP ADDRESS INTO THE VIA CODEC

- 1. Attach a LAN cable directly between your PC and the ViA codec.
- 2. Press the **HOME** button to return to the **Home** screen, then tap **Settings**.
- 3. Tap to select **Transport Interfaces** and then **LAN1** or **LAN2**.
- 4. Tap Network Settings.
- 5. Tap **IPv4 configuration**.
- 6. Tap to select **Static**.
- 7. Use the on-screen keyboard to enter the static IP address into the codec, e.g. 192.168.0.2, and then tap the **Right Arrow** in the top-right hand corner of the **TOUCH SCREEN**.



8. Enter the IPv4 Subnet mask into the codec, and then tap the Right Arrow.



Enter the IPv4 Gateway details as required, then tap Done in the top-right hand corner of the TOUCH SCREEN.



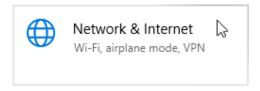
10. Tap **Save** in the top right-hand corner to reconfigure the codec with a static IP address.

CONFIGURE A STATIC IP ADDRESS IN WINDOWS 10

1. In Windows click Settings.



2. Select Network and Internet.



3. Select Ethernet.

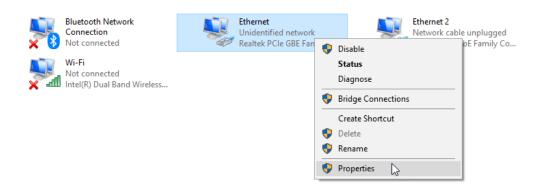


4. Select Change adapter options.

Related settings

Change adapter options

5. Right-click the Ethernet adapter connected to the port on the ViA and select **Properties**.



Ethernet Properties Networking Sharing Connect using: Realtek PCIe GBE Family Controller Configure.. This connection uses the following items: ✓ Page Client for Microsoft Networks ✓ Prile and Printer Sharing for Microsoft Networks
✓ PliveQoS NDIS 6 Filter Driver LiveQoS NDIS 6 Filter Driver ✓

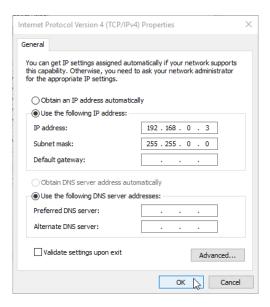
¶QoS Packet Scheduler ✓ Internet Protocol Version 4 (TCP/IPv4) ☐ _ Microsoft Network Adapter Multiplexor Protocol ✓ __ Microsoft LLDP Protocol Driver Description Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.

OK

Cancel

6. Select Internet Protocol Version 4 (TCP/IPv4) and then click Properties.

7. Enter a static IP address, e.g. 192.168.0.3, and Subnet Mask and click OK.



8. Type the IP address of the ViA codec in a browser and press **Enter** on your keyboard to configure the ViA codec using the Toolbox HTML Web-GUI.

IMPORTANT NOTES: A crossover cable may be required if you are using an old laptop which doesn't support Auto-MDIX (automatic medium-dependent interface crossover). This technology detects whether you need a crossover cable or a straight-through cable and automatically configures the network interface card. The ViA codec supports Auto-MDIX and if your laptop

supports using Gigabit Ethernet you will most likely be able to connect your PC with a regular straight-through cable and the NICs on either end will detect the cable and adjust accordingly.