QS 1   Quick Start Guide

QS 1.1   Aircraft Preparation

Ensure the AVDS Node system has a stable power source.

Any aircraft cabin router must be powered down during the update process.

QS 1.2   AVDS Client Installation

The AVDS Client is designed to run under Windows 10 (the AVDS Client may work on older versions of Windows). The install directory contains a minimum of 2 files; a *.msi and Setup.exe. Double click Setup.exe to start the installation.

Follow the prompts to complete the installation. The default settings in all dialog boxes are sufficient for typical installations.

Click "Close" on the final dialog to complete the installation.

If you are having user, permission, or firewall issues, reference Section 3 below.

QS 1.3   Connecting to the System

- Connect a standard Ethernet (RJ-45) cable from the PC to the AVDS system at any powered node or AVDS maintenance port.
- The connect dialog opens automatically when the application is started. If it does not open, click the ✎ button on the toolbar or select File->Connect.
- The following dialog opens:
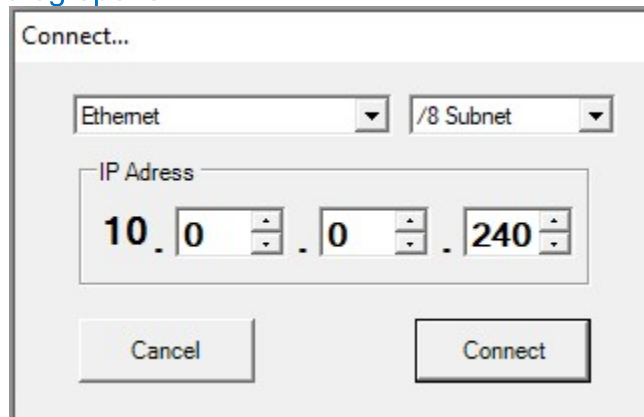
Figure 1   Connection Dialog

- The above settings are how you will connect to an AVDS system most of the time. If this does not work, refer to Section 3.2 below for more information.
- Click "Connect".
- The status of the connection is shown in the status bar:

Figure 2   Status Bar when Disconnected

- After a few moments, the status bar should read "Online". If it reads "Limited Connection", the AVDS Client was unable to retrieve a configuration file from the system. If it reads "Listening", the AVDS Client is not detecting the system. This may be caused by firewall or User account control settings, see section 3.1.1 User Account Control and section 3.1.2 Firewall Settings for more information.

It is important to note that part of the connection process involves changing the IP address of the host computer. The IP address is restored when the client is disconnected or closed. If the AVDS Client closes abnormally, the IP address may not have been restored. If this happens (usually indicated by an inability to connect to the internet or another network), simply open and close the AVDS Client once more. When it is opened it checks for this situation and corrects it.

QS 1.4 Updating Software

Once connected to the system, save a diagnostic snapshot by clicking Diagnostics – Save Diagnostic Snapshot… as shown below.
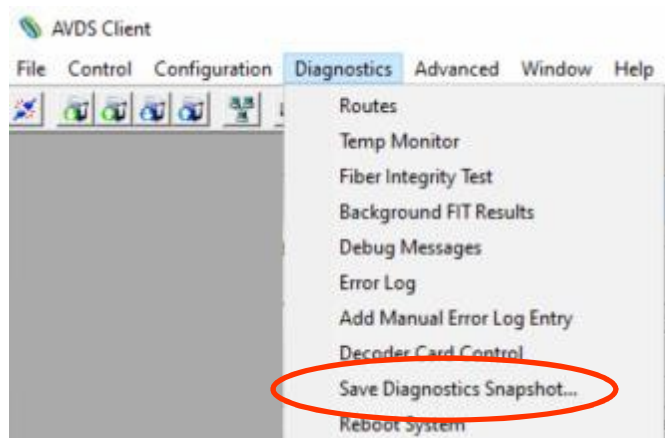
Before pushing the software update, ensure that the system is stable by checking Control – Node Status for the following:
- All Nodes show "True" in the Online column. Online "True" should be steady and not switching between True and False.
- All check boxes for Fiber Link A, Fiber Link B, Ext Link 1/2/3 should be in a steady state – checked or unchecked. There should be no boxes that are changing state back and forth once the system has fully booted.

If the system is not stable, contact technical support for assistance.

Figure 3   Example Node Status List View

To download new application files, click the button on the toolbar or press the "Send" button in the application file section of the Control - Node Status List window.
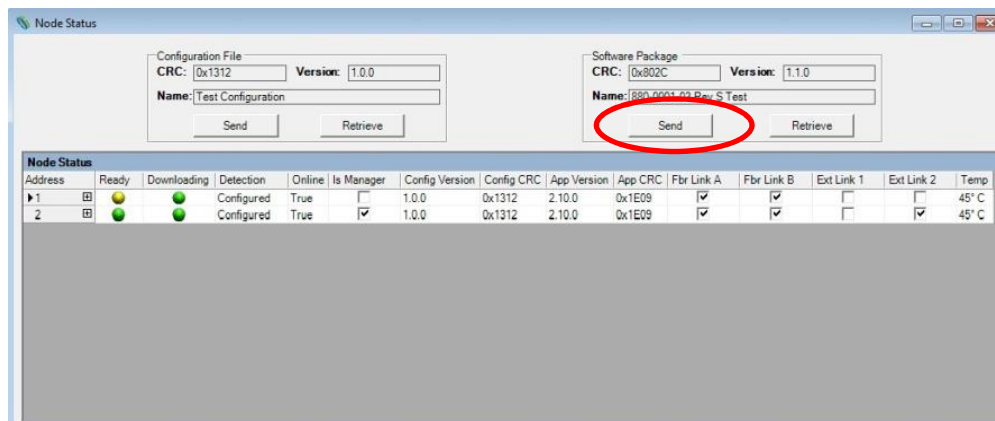
Figure 4   Node Status Window

Browse to the folder containing the application package and select the *.dnld file. The AVDS Client will download all files as directed by the *.dnld configuration file.

If prompt to save the Alto Vec file be sure to click "Yes". If the Vec file or config is lost during or after the update, it can be found on the laptop doing the update under [AVDS Client Install Directory]/backups/backup_[Date code of when update initiated].

If everything downloads successfully, you will get a message saying, "Download Successful". Click "Ok". If you receive any errors, note the errors, make corrections, and repeat the previous step. If you continue to have issues, contact support.

Upon completion of the software update, save another Diagnostic Snapshot as shown in the previous section.

Upon successful software update, verify Config and App Version and CRC values under Control – Node Status List. All values in a particular column should match. If they do not, repeat the software update process.
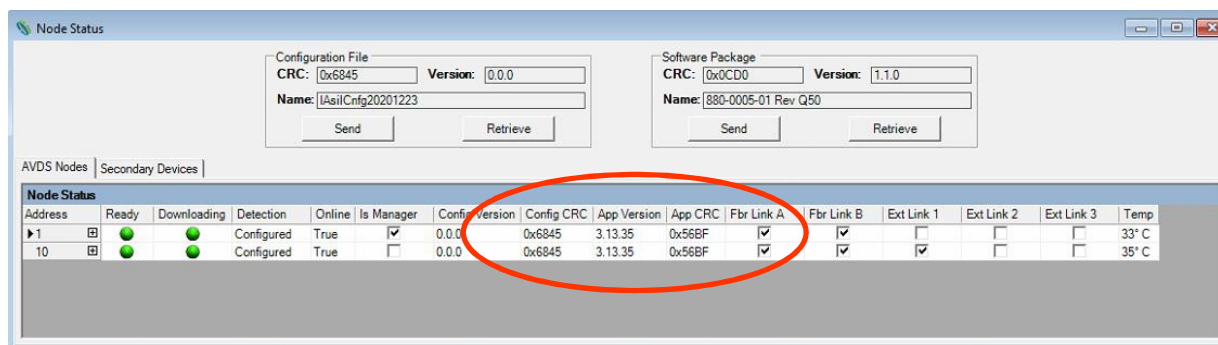
QS 1.5   Support

If you need support, please contact Innovative Advantage support at:

Email: support@in-advantage.com
Phone: +1-888-838-8230