AL5616 Bonaire Users Guide

OVERVIEW

This document describes the usage of the AL5616. The AL5616 is used as a Wireless USB Host. The AL5616 allows the user to connect various wireless USB devices to a PC or other device with USB capabilities.

Figure 1.   AL5616 Bonaire

1.0   INSTALLATION

The AL5616 can be configured to operate in two modes. First, it can operate in driverless mode which requires no drivers be installed. The installation process for this mode of operation is to insert the AL5616 into an available USB port. The second option is Host Wire Adapter (HWA) mode. This mode requires installation of the Wireless USB Manager.

1.1   Installing Wireless USB Manager for HWA mode

Alereon provides MSI based installers. Each installer is designated by the platform it supports in the filename. For example,

*   Setup_wusb_X86_XXXX.msi - indicates that this MSI is for 32 bit systems
*   Setup_wusb_X64_XXXX.mdi - indicates that this MSI is for 64 bit systems

You can launch the installation process by double clicking the MSI package. Please follow the following steps in order to install Alereon's Wireless USB Manager.

Note: Wireless USB Manager has a dependency on Microsoft .NET 2.0. you will have to install this software manually before going through the setup or connect the PC to the internet and the setup will automatically download this dependency from the internet.

•Use the intallation program to install the Wireles USB Manager

Figure 2.   Wireless USB Installer

•More details of the Wireless USB Manager installation and usage can be found in the Wireless USB Manager User's Guide.

1.2   FCC requirements for information to the user.

The users manual or instruction manual shall caution the user that changes or modifications to the equipment not expressly approved by the party responsible for the grant of equipment authorization issued by the FCC could void the user's authority to operate the equipment under the grant of equipment authorization:

> **Warning**: Changes or modifications to this device not expressly approved by Alereon could void the users authority to operate the device under the FCC Equipment Authorization.

The users manual or instruction manual shall contain this information about interference control:

Electromagnetic Interference (EMI) is any signal or emission, radiated in free space or conducted along power or signal leads, that endangers the function of radio navigation or other safety service (the telephone and cellphones are considered to be safety services) or seriously degrades, obstructs or repeatedly interrupts a licensed radio communications service. Radio communications services include but are not limited to: AM/FM commercial broadcast, television, cellular services, radar, air traffic control, pager and personal communications services (PCS). These licensed services, along with unintentional radiators such as digital devices, including computer systems, contribute to the electromagnetic environment.

Electromagnetic Compatibility (EMC) is the ability of items of electronic equipment to function properly together in the electromagnetic environment. While this device has been designed and determined to be compliant with regulatory agency limits for EMI, there is no guarantee that interference will not occur in a particular installation. If this device does cause interference with radio communications services, which can be determined by turning the device on and off, you are encouraged to try to correct the interference by one or more of the following measures:

- •Re orient the receiving antenna
- •Relocate the device with respect to the victim receiver
- •Move the device away from the victim receiver
- •Plug the device host into a different power outlet than the victim receiver so that the device system and receiver are on separate branch circuits

If necessary, consult your system service representative or an experienced radio/television technician for additional help in resolving interference.

Revision History

Date	Version	Description
01/10/2010	1.0	First Release Version

alereon™

Alereon, Inc.

7600 North Capital of Texas Highway
Building C, Suite 200
Austin, TX 78731

Telephone: (512) 345-4200
Fax: (512) 345-4201
info@alereon.com