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Quick Start Guide - USB-CID
USB ZigBee HA Network Coordinator

Protective Case

Product Brief

The USB-CID serves as a ZigBee Pro network coordinator to set up and manage a home automation network.

The easy-to-install USB interface ensures compatibility with any PC with an available USB port.

Installation

1) Plug USB-CID into an available USB port.

2) Your PC should find the appropriate driver automatically.

   If the driver is not found, it can be acquired from:

   http://www.silabs.com/products/mcu/Pages/USBtoUARTBridgeVCPDrivers.aspx

Set-up

The USB-CID will send ZigBee commands via serial communication.

Currently, an end user application is not available from Smartenit. Docklight Scripting can be used to send serial command through the USB-CID to set up a ZigBee network and control individual ZigBee devices. An understanding of the ZBCID API will be required to modify Docklight scripts.

For a brief tutorial on how to use Docklight with the pre-loaded scripts visit our Wiki
  - http://wiki.smartenit.com/index.php?title=Using_Docklight

Downloads
  • Docklight pre-loaded scripts are available - http://smartenit.com/downloads/Sample_Scripts.zip
  • The Docklight Scripting application is available at - http://www.docklight.de/download/Docklight_Scripting.zip
  • The ZBCID API is available at - http://smartenit.com/downloads/ZBPCID_API.pdf

Certifications

FCC ID: **AFZ-2011A**   IC ID: **10174-2011A**

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HA Profile (0x0104)				Device ID: 0x0007 Combined Interface Device
End Point	**Cluster ID**	**Cluster Name**	**Client/ Server**	**Cluster Description**
01	0x0000	Basic	Client/ Server	Attributes for determining basic information about a device, setting user device information such as location, and enabling a device
01	0x0001	Power Config	Client/ Server	Attributes for determining more detailed information about a device's power source(s), and for configuring under/over voltage alarms
01	0x0002	Temp Config	Client/ Server	Attributes for determining information about a device's internal temperature, and for configuring under/over temperature alarms
01	0x0003	Identify	Client/ Server	Attributes and commands for putting a device into Identification mode (e.g. flashing a light)
01	0x0004	Groups	Client	Attributes and commands for group configuration and manipulation
01	0x0005	Scenes	Client	Attributes and commands for scene configuration and manipulation
01	0x0006	On/Off	Client	Attributes and commands for switching devices between "On" and "Off" states
01	0x0007	On/Off Swith Config	Client	Attributes and commands for configuring On/Off switching devices
01	0x0008	Level Control	Client	Attributes and commands for controlling devices that can be set to a level between fully "On" and fully "Off"
01	0x0009	Alarms	Client	Attributes and commands for sending notifications and configuring alarm functionality
01	0x000A	Time	Client	Attributes and commands that provide a basic interface to a real-time clock
01	0x000B	RSSI Location	Client	Attributes and commands that provide a means for exchanging location information and channel parameters among devices
01	0x000C	Analog Input (Basic)	Client	An interface for reading the value of an analog measurement and accessing various characteristics of that measurement
01	0x000D	Analog Output (Basic)	Client	An interface for setting the value of an analog output (typically to the environment) and accessing various characteristics of that value
01	0x000E	Analog Value (Basic)	Client	An interface for setting an analog value, typically used as a control system parameter, and accessing various characteristics of that value
01	0x000F	Binary Input (Basic)	Client	An interface for reading the value of a binary measurement and accessing various characteristics of that value
01	0x0010	Binary Output (Basic)	Client	An interface for setting the value of a binary output (typically to the environment) and accessing various characteristics of that value
01	0x0011	Binary Value (Basic)	Client	An interface for setting a binary value, typically used as a control system parameter, and accessing various characteristics of that value
01	0x0012	Multistate Input (Basic)	Client	An interface for reading the value of a multistate measurement and accessing various characteristics of that measurement
01	0x0013	Multistate Outpt (Basic)	Client	An interface for setting the value of a multistate output (typically to the environment) and accessing various characteristics of that value
01	0x0014	Multistate Value (Basic)	Client	An interface for setting a multistate value, typically used as a control system parameter, and accessing various characteristics of that value
01	0x0100	Shade Config	Client	Attributes and commands for configuring a shade
01	0x0101	Door Lock	Client	An interface for configuring and controlling door locks
01	0x0200	Pump Config & Cntrl	Client	An interface for configuring and controlling pumps
01	0x0201	Thermostat	Client	An interface for configuring and controlling the functionality of a thermostat
01	0x0202	Fan Control	Client	An interface for controlling a fan in a heading/cooling system

ZigBee Clusters

End Point	Cluster ID	Cluster Name	Client/ Server	Cluster Description
HA Profile (0x0104)			Device ID: 0x0007 Combined Interface Device		
01	0x0204	Thermostat UI Config	Client	An interface for configuring the user interface of a thermostat (which may be remote from the thermostat)
01	0x0400	Illuminance Measurement	Client	Attributes and commands for configuring the measurement of illuminance, and reporting illuminance measurements
01	0x0401	Illuminance Level Sensing	Client	Attributes and commands for configuring the sensing of illuminance levels, and reporting whether illuminance is above, below, or on target.
01	0x0402	Temperature Measurement	Client	Attributes and commands for sensing illuminance level
01	0x0403	Pressure Measurement	Client	Attributes and commands for configuring the measurement of pressure, and reporting pressure measurements.
01	0x0404	Flow Measurement	Client	Attributes and commands for configuring the measurement of flow, and reporting flow rates.
01	0x0405	Rel. Hum. Measurement	Client	Attributes and commands for configuring the measurement of relative humidity, and reporting relative humidity measurements.
01	0x0406	Occupancy Sensing	Client	Attributes and commands for configuring occupancy sensing, and reporting occupancy status.
01	0x0500	IAS Zone	Client	Attributes and commands for IAS security zone devices.
01	0x0501	IAS ACE	Client	Attributes and commands for IAS Ancillary Control Equipment.
01	0x0502	IAS WD	Client	Attributes and commands for IAS Warning Devices.
01	0x0702	Simple Metering	Client	Provides mechanism to retrieve electric power usage