

Quick Start Guide - IOT-ZBCID Model # 2011D

USB ZigBee HA Network Coordinator



Product Brief

The IOT-ZBCID 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) Simply plug the IOT-ZBCID into an available USB port.

Set-up

The IOT-ZBCID will send ZigBee commands via serial communication.

This interface is intended for use with applications that can handle serial communication. Docklight Scripting is one application that can be used to set up a ZigBee network and control individual ZigBee devices with the IOT-ZBCID. 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-2011D** IC ID: **10174A-2011D**

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ZigBee Clusters

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 heating/cooling system



Technical Support
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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

FCC ID: AFZ-2011D

<p>Notice:</p> <p>Any changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.</p>
<p>Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:</p> <ul style="list-style-type: none">—Reorient or relocate the receiving antenna.—Increase the separation between the equipment and receiver.—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.—Consult the dealer or an experienced radio/TV technician for help.
<p>Notice:</p> <p>This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:</p> <p>(1) this device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.</p>
<p>This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This device was tested for typical lap held operations with the device contacted directly to the human body to the back side of the notebook computer. To maintain compliance with FCC RF exposure compliance requirements, avoid direct contact to the transmitting antenna during transmitting.</p> <p>SAR information</p>

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This EUT is compliance with SAR for general population/uncontrolled exposure limits in IC RSS-102 and had been tested in accordance with the measurement methods and procedures specified in IEEE 1528 and IEC 62209.

Cet appareil est conforme aux limites d'exposition DAS incontrôlée pour la population générale de la norme CNR-102 d'Industrie Canada et a été testé en conformité avec les méthodes de mesure et procédures spécifiées dans IEEE 1528 et IEC 62209.