

Home Automation Evaluation Kit



Integrating ZigBee®
Home Automation

A simple evaluation kit designed for developers to gain hands-on experience on ZigBee® Home Automation applications or for advanced users wishing to carry out testing.



What is the Home Automation Evaluation Kit?

The Telegesis Home Automation (HA) Evaluation Kit includes an HA Combined Interface (CI) and a 5-in-1 device.

The CI is a device which is capable of controlling and monitoring other devices on an HA network. Please see CI Command Manual for more information on the Combined Interface.

The 5-in-1 device combines the functions supported by following HA devices:

- | | |
|----------------------|----------------------|
| 1 On/Off Light | 4 Illuminance Sensor |
| 2 Dimmable Light | 5 On/Off Switch |
| 3 Temperature Sensor | |

Why the Home Automation Evaluation Kit?

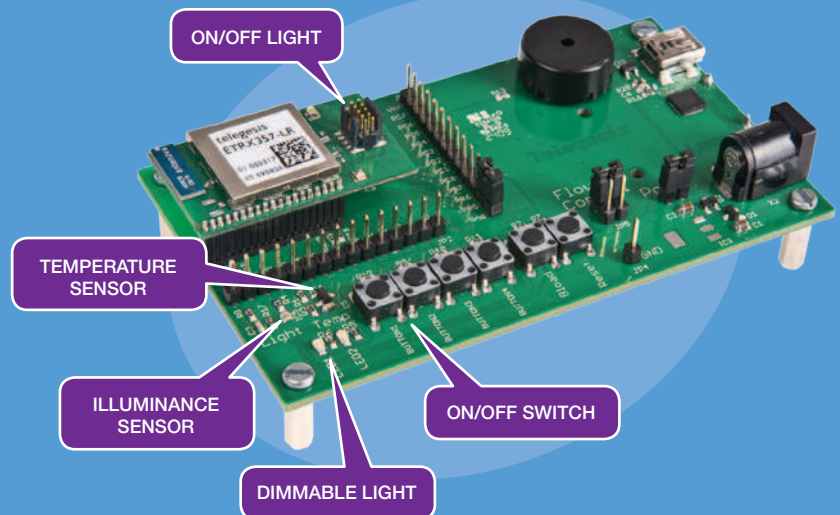
- 1 The Telegesis HA Evaluation Kit is a good starting point for a developer to gain hands-on experience of ZigBee HA applications
- 2 It can shorten development time for HA compliant combined interface products based on Telegesis Combined Interface firmware.
- 3 It can also be used to develop a range of HA compliant products e.g. an HA on/off light, dimmable light and so on

All you have to do is to read the AT command manual and start building your own HA applications. Additionally the AT software interface command set can be modified for high volume customers. Custom software development available upon request.

5-in-1 device

The 5-in-1 device consists of an ETRX357 module and a single development board with USB connectivity and I/O breakouts. For example:

- To simulate an HA on/off output simply, press the on/off Switch on the dev board to turn on/off the LED on the Telegesis CI USB Stick
- An on/off command can also be sent from the Telegesis CI USB Stick to control the LED on the dev board
- To simulate a dimmable light, send a command to the dev board LED from the Telegesis CI USB Stick
- Send a command from the Telegesis CI USB Stick to request the local temperature measurement from the 5-in-1 dev board
- Send a command from the Telegesis CI USB Stick to request the local luminance measurement from the 5-in-1 dev board.



HA Evaluation Kit contents

ETRX3USB with Telegesis Combined Interface Firmware

ETRX3 Development Board

ETRX357 Module

USB Cable

The product manual of the Combined Interface and 5-in-1 device as well as Telegesis Terminal Software are available for downloading from the Telegesis website