

HomeSeer

HS-ZWPB700

Z-Wave™ Interface Module

OVERVIEW

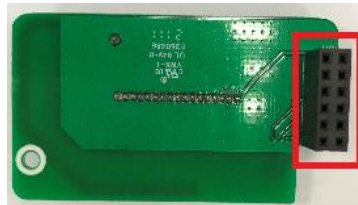
HS-ZWPB700 is a Z-Wave interface module that's designed to send and receive wireless Z-Wave commands to and from compatible smart home products in the home. It is to assemble to Raspberry Pi to act as a Z-Wave controller to control the Z-Wave sensors and actuators. This module is designed in Z-Wave 700 series SiP to adopt standard S2 and SmartStart native protocols.

INSTALLATION

1. Install HS-ZWPB700 onto RaspBerry Pi via the 12-pin connector.



(top side)

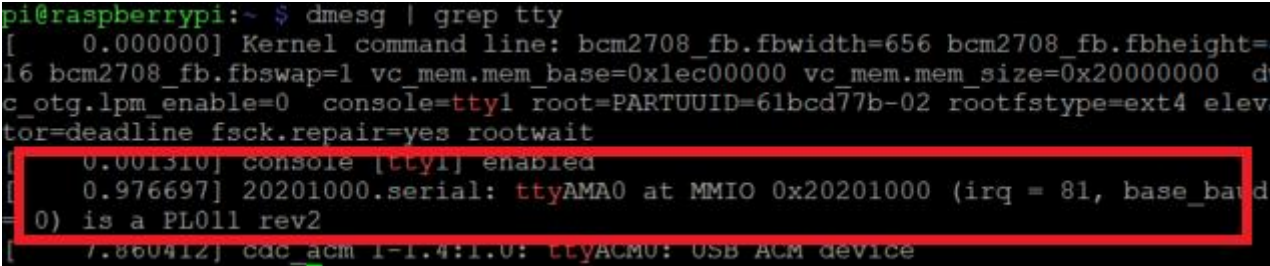


(rear side)

2. Open SSH via Putty platform to connect RaspBerry Pi.
 - 2.1 Enter the user,
 - 2.2 Enter your password,
 - 2.3 Enter the commands,
 - 1 `sudo nano /boot/config.txt`
 - 2.4 Add below line,
 - 1 `dtoverlay=pi3-disable-bt`
 - 2 `enable_uart=1`
 - 2.5 Exit the editor with Ctrl X and save with Y,
 - 2.6 Reboot the system,
 - 1 `sudo reboot`
 - 2.7 Login SSH again and enter the username & password,

2.8 Check if the port ttyAMA0 is available with

```
1 dmesg | grep tty
```



```
pi@raspberrypi:~$ dmesg | grep tty
[ 0.000000] Kernel command line: bcm2708_fb.fbwidth=656 bcm2708_fb.fbheight=
16 bcm2708_fb.fbswap=1 vc_mem.mem_base=0x1ec00000 vc_mem.mem_size=0x20000000 d
c_otg.lpm_enable=0 console=tty1 root=PARTUUID=61bcd77b-02 rootfstype=ext4 elev
tor=deadline fsck.repair=yes rootwait
[ 0.001310] console [tty1] enabled
[ 0.976697] 20201000.serial: ttyAMA0 at MMIO 0x20201000 (irq = 81, base_baud
0) is a PL011 rev2
[ 7.860412] cdc_acm 1-1.4:1.0: ttyACM0: USB ACM device
```

NEED HELP?

You can get help in several ways:

- Visit homeseer.com/zwave-interfaces for the latest information
- Visit docs.homeseer.com for all product documentation
- Contact us: homeseer.com/contact-us

This product employs or practices certain features and/or methods of the following U.S. Patents:
U.S. Patent Nos. 6,891,838, 6,914,893 and 7,103,511.

FCC STATEMENT

THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UN-AUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT. STORE INDOORS WHEN NOT IN USE. SUITABLE FOR DRY LOCATIONS ONLY. DO NOT IMMERSE IN WATER. NOT FOR USE WHERE DIRECTLY EX-POSED TO WATER.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following conditions:

1. This device may not cause harmful interference,
2. This device must accept any interference received, including interference that may cause undesired operation.

This equipment complies 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 according to instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in any given installation.

SPECIFICATIONS

Z-Wave Chip Type

700 Series

Z-Wave SDK	7.15 (or later)
Z-Wave Frequency	908 MHz (US)
Wireless Range	Up To 300 Ft LOS
Operating Temp Range	0°C to +40°C
Power & Data	UART
Certifications	Z-Wave Plus™
Dimensions	2.16 x 1.22 x 0.5 (inches)