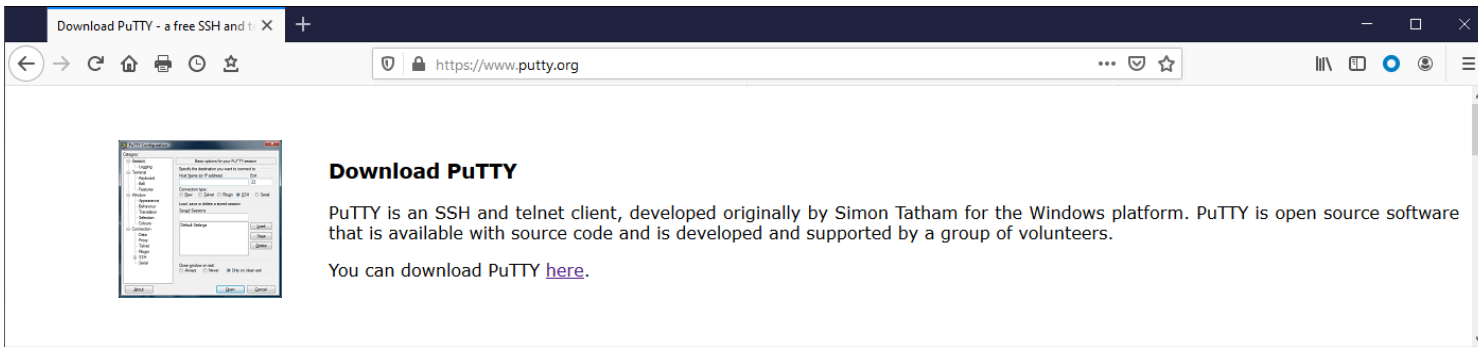


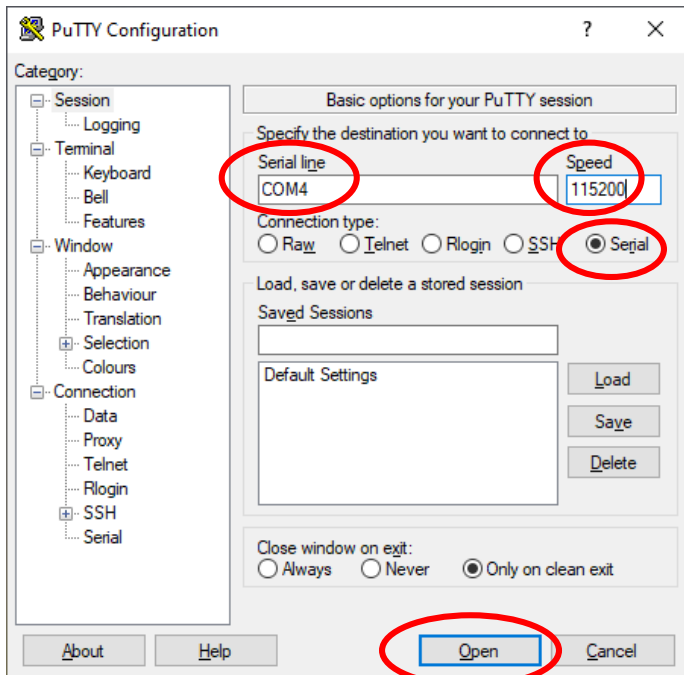
Ademco Vista Panel

Via AD2USB interface to Vera Plus

March 2020



http://www.alarmdecoder.com/wiki/index.php/Panel_Configuration



To figure out which Com port to use on your PC plug in AD2USB while having device manager open on PC and see which port (COM) is added.

Configuring Your AlarmDecoder (AD2USB)

You may need to set the AD2 devices mode and address. By default the AD2 device is factory configured for Ademco mode at address 18. If you already have a device at 18 or need to change to DSC mode you will need to change the AD2 settings.

To do this just press ! in your terminal program to configure the AD2. You can press ENTER on any configuration options you don't want to change and it will keep the current setting.










If you press * into your terminal program your panel should respond as if you hit the same key on your alarms keypad. You will see a message from the AD2 such as this "!Sending.done" if you see "!Sending....done" and it appears to take a long time for the send operation this probably means that the alarm panel is not recognizing the AD2 or a device conflict exists. Confirm that the AD2 address for Ademco and Partition for DSC is configured on the alarm panel. Also on Ademco **make sure no other devices exist at the same address** on as the AD2.

The AD2 should display all messages from the alarm panel regardless of programming of the panel provided the mode is set to the correct panel type. If you are not seeing messages after connecting the AD2 to your panel you either have a wiring issue, the AD2 is in the wrong mode for your panel type or you have an SE panel and you have not set your AD2 to address 31.

Example Message from DSC panel in programming mode.
[0111100100000000D--],[064,[000200000000000000011000000000],"Enter Section ---

- Dashboard >
- Devices >
- Cameras >
- Scenes >
- Energy +
- Additional Services +
- Settings +
- Apps -**
- My apps >
- Install apps >
- Develop apps >
- Users & Account Info +
- Logout x

My apps

-  Sercomm IP Camera *This plugin is automatically available on all controllers and does not need to be manually enabled.* [Details](#)
-  Amazon Alexa Helper *This plugin is automatically available on all controllers and does not need to be manually enabled.* [Details](#)
-  Google Home [Details](#)
-  Ezlo Cameras [Details](#)
-  Virtual ON/OFF Switches [Details](#)
-  Day or Night [Details](#)
-  Apexis IP Camera [Details](#)
-  Foscam HD [Details](#)
-  Honeywell Ademco Vista Alarm Panels via AD2USB [Details](#)

Install this Plug in





- Dashboard >
- Devices >
- Cameras >
- Scenes >
- Energy +
- Additional Services +
- Settings +
- Apps -**
- My apps >
- Install apps >
- Develop apps >
- Users & Account Info +
- Logout x

Welcome |

Honeywell Ademco Vista Alarm Panels via AD2USB



Additional Information

App id: 968

Current Version: 3.12

Latest Version 3.12


Auto Update

This plugin has created the following devices:

#126 A Vista Alarm Panel


[Update App](#)

Help




- Dashboard >
- Devices >**
- Cameras >
- Scenes >
- Energy +
- Additional Services +
- Settings +
- Apps +
- Users & Account Info +
- Logout x





Welcome

46°F 
Mon 9:13:42 AM



View by: **Room** Type List

Click  to select favorites. + Add Device

No Room

	
A Vista Alarm Panel 	A Vista Partition 1 
Plugin version: 2.45 Clear	Status: Ready Away Stay Night-Stay Disarm

Basement

	
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The AD2USB Plugin installs two devices above. I renamed them (shortened Ademco) since Vera Plus UI7 truncates names (UI5 didn't care).

device #126

Params Variables New service Commands

name A Vista Alarm Panel

device_type urn:schemas-micasaverde-com:device:Vista

altid

ip

mac

manufacturer

model

id_parent 0

nobulk

embedded

disabled

restricted

device_file D_VistaAlarmPanel1.xml

id 126

room 0

time_created 1583637741

plugin 968

impl_file I_VistaAlarmPanel1.xml

category_num 22

device_json D_VistaAlarmPanel1.json

local_udn uuid:4d494342-5342-5645-007e-000002f

commUse rs232

Welcome

Back

device #126

Params Variables New service Commands

PluginVersion 2.45 Edit

DebugMode 0 Edit

NumPartitions 1 Edit

SecureStore Edit

TTL 1200 Edit

ConnectionDown 0 Edit

CheckConnectionTimer 180 Edit

CommFailure 0 Edit

CommFailureTime 0 Edit

IODevice 125 Edit

IODeviceXRef 125 Edit

IOPortPath /dev/ttyUSB0 Edit

AlarmZone Edit

CommFailureAlarm 1583716626.0 Edit

This is the device for the panel

The other is the device for the partition which is most used.

No special settings here.

Make note of device number (**red circle**) for Luup step later.

device #127

Params Variables New service Commands

name: A Vista Partition 1

device_type: urn:schemas-micasaverde-com:device:Vista

altid: vista_partition_1

ip:

mac:

manufacturer:

model:

id_parent: 126

nobulk
 embedded
 disabled
 restricted

device_file: D_VistaAlarmPartition1.xml

id: 127

room: 0

impl_file:

time_created: 1583637771

category_num: 23

device_json: D_VistaAlarmPartition1.json

local_udn: uuid:4d494342-5342-5645-007f-000002fb

device #127

Params Variables New service Commands

KeypadAddresses: 01 Edit

IODeviceXRef: 125 Edit

IOPortPath: Edit

Alarm: None Edit

AlarmMemory: 0 Edit

ChimeMode: 0 Edit

ArmMode: Disarmed Edit

DetailedArmMode: Ready Edit



This is the device for the partition

Need to set keypadaddress to match panel setup and AD2USB config. In my case address number 01.

This is the device most used as it is the keypad into the panel.

This is the setup for USB port on Vera to talk to AD2USB. It is used by the panel, **not** the partition.



vera Smarter Home Control

- Dashboard >
- Devices >
- Cameras >
- Scenes >
- Energy +
- Additional Services +
- Settings +
- Apps** -
- My apps >
- Install apps >
- Develop apps** >
- Users & Account Info +
- Logout x

Welcome

Develop apps

- Test Luup code (Lua)
- Edit Startup Lua
- Luup files
- Serial Port configuration**
- Create device
- Device Simulator (based on JSON)

Serial Port configuration

If you connected the USB/serial device and it's not displayed here, reload Luup.

Name: ftdi_sio Path:

Device number: usb-xhci-hcd-1

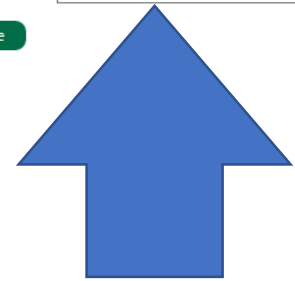
IP address: Port: 3481

Baud: 115200 Parity: none

Data bits: 8 Stop bits: 1

Used by device: A Vista Alarm Panel

Save



Back

Device name:
A Vista Partition 1

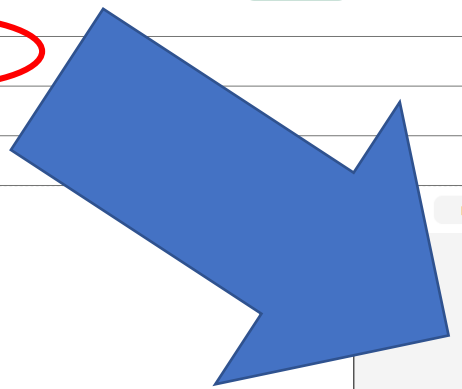
Assigned to room:
Please choose a room

Save Changes

Alarm Partition

- Notifications >
- Advanced >

Delete Device



Back

Status: Ready

PIN Code:

Store

Arm Mode
Away Stay Night-Stay
Maximum Instant **Disarm**


Lettered Keys
A B C D

Bypass Zones

Bypass

Chime Mode

Store your alarm pin code here



Dashboard >

Devices >

Cameras >

Scenes >

Energy +

Additional Services +

Settings +

Apps +


Users & Account Info +

Logout x

Welcome

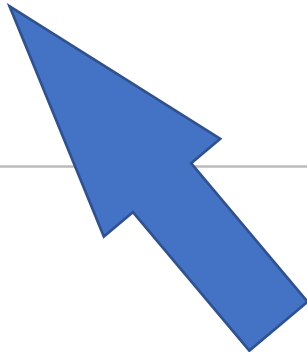
46°F 
Mon 9:17:45 AM

Edit "Reset Alarm Panel Error"

Help for scene creation 

< Back

```
luup.set_failure (false, 126)
```



Save lua

This is one line of LUUP code to suppress the “can’t connect error to” the panel device. I set it up as a scene to be run manually if the error shows up. I suppose you could maybe put it as a startup LUUP but I didn’t try that.

It operates on the panel not the partition or device 126 in my case.