Amazon Alexa

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Add voice control to your next RTI project!
This driver allows you to add on/off/raise/lower voice events to an RTI XP processor.
Requires at least one active Amazon Alexa Echo/Tap/Dot device.

You can only run a single instance of this driver on a processor.

Note:

Please report any bugs found to bugs@mydevice.com.au. Include driver version number and steps to reproduce the issue where possible.

Driver Config:

Number of Rooms: Specify the number of virtual rooms you wish to have. This allows you to virtually group trigger phrases. You can also create a whole house room.
Subnet Mask: The driver uses this to ignore data not destined for this driver. Normally you should leave this set to 255.255.255.0

For each room:
Name: Give the room a name, this is not used by alexa.
Type: Set the type of device associated with the room. This is not used by alexa.
Number of triggers: Set the number of trigger phrases/words you wish to create.
Trigger: Set the words(s) you want Alexa to trigger on. Examples are given below.

Setup:

1) Configure Alexa and make sure it is working. Do not proceed to step 2 until this is done.
2) No really, make sure you completed step 1.
3) Create your triggers in the driver config.
4) Create driver events for your triggers for the triggers.
5) Upload to the processor and wait for the processor to finish booting.
6) Tell Alexa to "discover network". She should indicate she has found smarthome devices.
7) Talk to Alexa to trigger your devices.

Triggers:

Alexa understands the following verbs:
On
Off
Up
Down
Raise
Lower
Brighten
Dim

Note that Alexa considers Up/Raise/Brighten as the same thing, as well as Down/Lower/Dim.

Triggers must be unique.
This means you can't have the trigger "lights" in the Bedroom and in the Kitchen. To achieve this kind of control you need to create unique triggers such as "Bedroom lights" and "Kitchen lights".

There are certain words that alexa considers off limits. For example, many of the phrases such as:
Welcome home
Goodnight

Goodbye
I'm home
Play
Pause
Music

These should be avoided within your triggers.

Examples:
A simple way to control a room is to add a trigger for the room name. For example using the trigger "cinema":
Alexa, turn cinema on.
Alexa, turn cinema off.

This could be a macro to control the lights, projector, amp or any combination of these.

"office light"
Alexa, turn office light on.
Alexa, turn office light off.

"movie mode"
Alexa, turn movie mode on.

"bedroom blinds"
Alexa, raise bedroom blinds.
Alexa, lower bedroom blinds.

Keep the commands simple and you'll have a lot of success.