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DoorBird Connect OpenHAB Software User Guide

DoorBird Connect openHAB

Contents

SYSTEM REQUIREMENTS

- DoorBird IP Video Door Station D10x/D11x/D21x Series.
- openHAB Software.

ADDITIONAL INFORMATION

The following guide will take you through setting up a DoorBird IP Video Door Station in connection with the openHAB software. Please make sure that your DoorBird is online, using this service:
**https://www.doorbird.com/checkonline**

The local IP address of your DoorBird is available from the same page.
openHAB will send the event information (e.g. doorbell event image/message/time stamp notification to your phone via Telegram/Mail).
You can create automation by writing scripts using various scripting languages.

SETTING UP THE DOORBIRD IN THE openHAB SOFTWARE

1. Please download and install the openHAB software on Windows/Linux/Raspberry Pi/macOS/Docker. In this guide it was installed on windows.
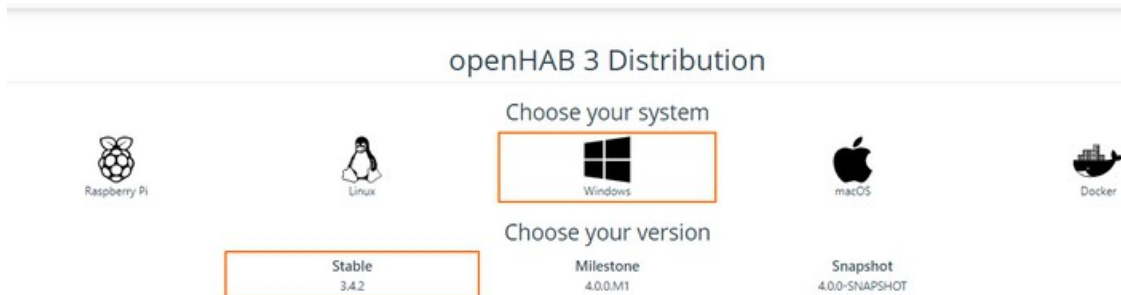
2. Proceed with basic installation steps and Login into the software.
3. Enter your Username and Password details of your choice.
4. During the installation you can download the DoorBird, Telegram, Mail Bindings.

   You can download any binding according to your requirement even after completing the setup.

Install Add-ons

Most of openHAB's functionality is provided by add-ons.
Choose which ones you'd like to install right away.

Browse Add-ons on openhab.org

🛒 Select Add-ons to Install

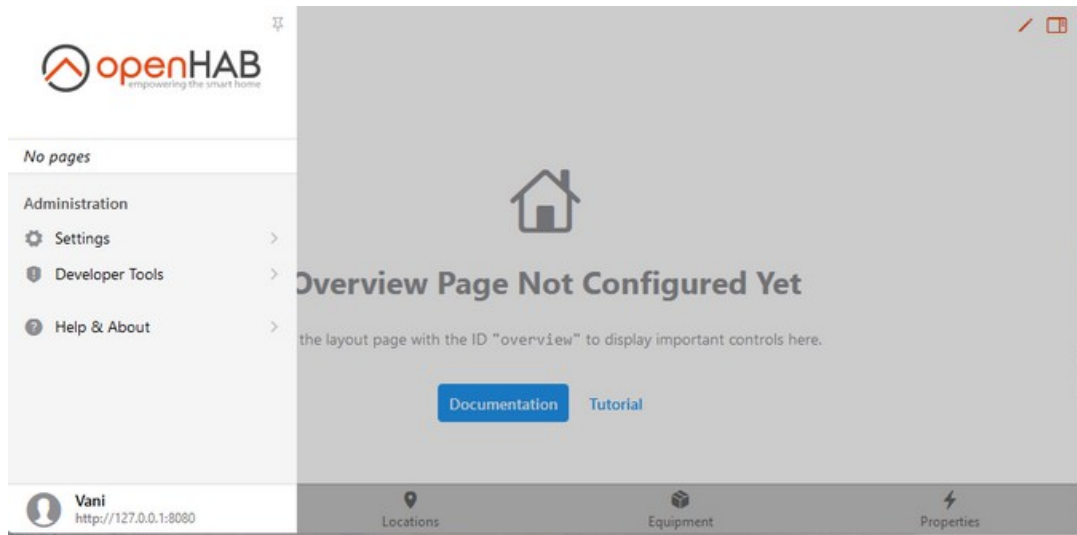binding-doorbird
Doorbird Binding
3.4.2

To optimize your system resources, install only the add-ons you need! Installing add-ons can take a while. Please be patient and stay on this page until the operation finishes.
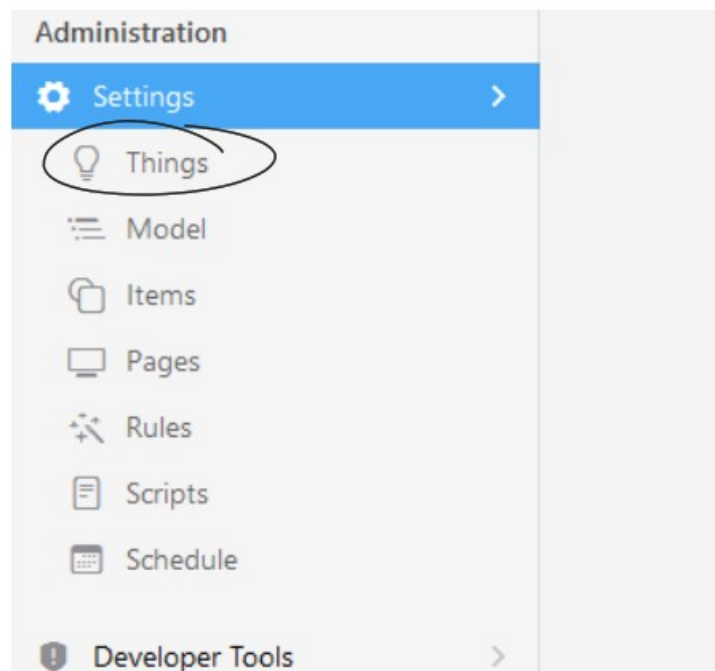
Install 1 add-on

Install Add-ons Later

5. After Installating Add-ons the configuration will be completed.
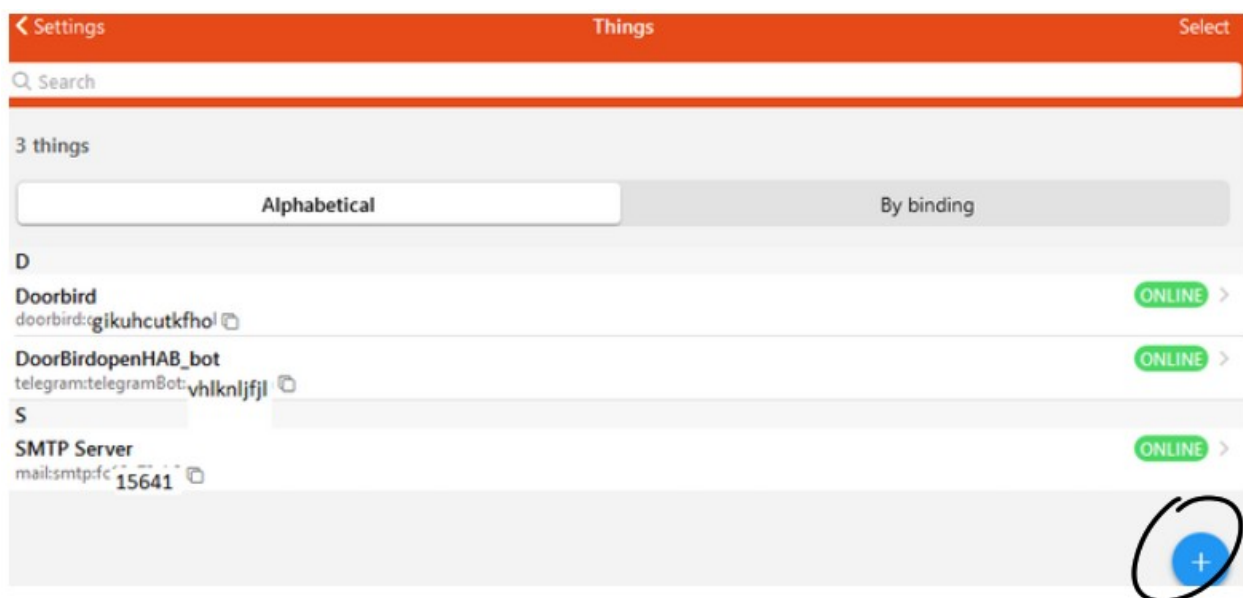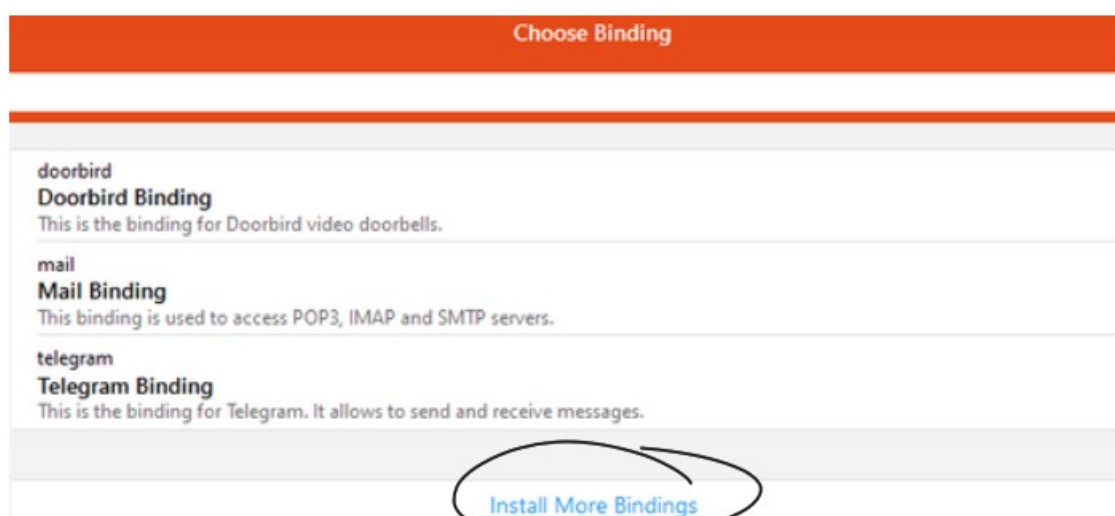   Select Documentation or Tutorial to get started.

6. Add your DoorBird device as a "Thing" in the Settings.

7. Click on "+" symbol to add the DoorBird device as Things.

8. If you have not installed DoorBird binding. Select applicable bindings and install the bindings here.

9. Select your DoorBird model.

Q Search

Add Manually

doorbird:a1081
Doorbird A1081 Controller
Doorbird model A1081 Controller   >

doorbird:d210x
Doorbird D210x Doorbell
Doorbird doorbell model D210x   >

doorbird:d101
Doorbird Doorbell D101/D201/D205/D1101V
Doorbird doorbell model D101/D201/D205/D1101V   >

10. It will generate the Unique ID and Identifier for your DoorBird device.

    Make a note of it for your future reference.

New Doorbird Doorbell D101/D201/D205/D1101V

Unique ID	eyog879fuh
	Note: cannot be changed after the creation
Identifier 📋	doorbird:d101:eyog879fuh
Label	Doorbird Doorbell D101/D201/D205/D1101V

11. Enter the DoorBird device details.

    Host –> IP Address of the DoorBird device.

    User ID –>DoorBird User 0001 Id.

    Password–> Password of the User Id 0001.

Doorbird Doorbell D101/D201/D205/D1101V

Doorbird doorbell model D101/D201/D205/D1101V

Host
10.0.0.0
Required Hostname or IP address of Doorbird

User ID
abcdef0001
Required Doorbird user ID with API permissions enabled

Password
•••••••••   👁
Required Doorbird user password

12. Other Options are general you can select according to your requirements.

13. Click on "Create Thing". Your device will display ONLINE in the Things list.

    If its not displayed please check your entered details again.

Image Refresh Rate	
2	

Image refresh rate in seconds (blank to disable)

Doorbell Released Delay	
1	

Delay in seconds after a doorbell event to send RELEASED event (blank to disable)

Motion Off Delay	

Delay in seconds to set motion channel OFF after motion event (blank to disable)

Montage Number of Images	
0	

Number of images to include in history montage

Montage Scale Factor	
25	

Scaling factor percentage to apply to history montage (e.g use 25 for 25%)

Create Thing

14. Click on the DoorBird to see the information.

D

Doorbird   ONLINE >
doorbird:gikuhcutkfhol

DoorBirdopenHAB_bot   ONLINE >
telegram:telegramBot:vhlknljfjl

S

SMTP Server   ONLINE >
mail:smtp:fc15641

15. It will create the DoorBird device's instances (Doorbell/Trigger/Motion/etc) in the Channels section. Each DoorBird Model will have different instances.

‹ Back	Doorbird D210x Doorbell	Save (Ctrl-S)
Thing	Channels	Code

Status: ONLINE

Identifier	doorbird:d210x:16541vuygih
Label	Doorbird D210x Doorbell
Location	e.g. Kitchen

Information
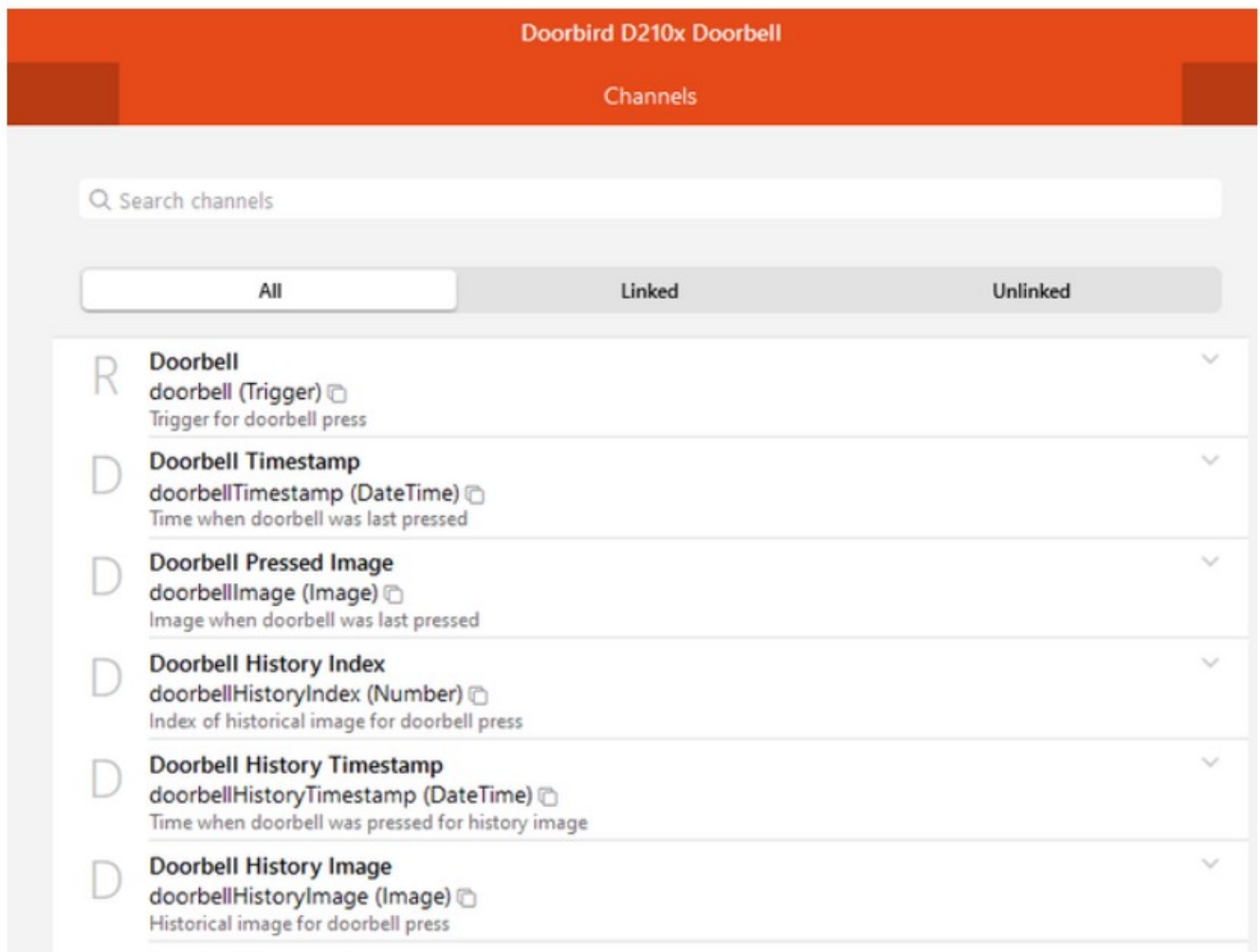
16. While creating the Rule we have different Trigger options to add: Item event, Thing event, System event, Time event. Each event has different options, select accordingly.

    Note: The Automation in this guide shows the instance from the channels list which receives the command ON.

17. The Rule created in the next section will send the notification to your Telegram of the doorbell event.

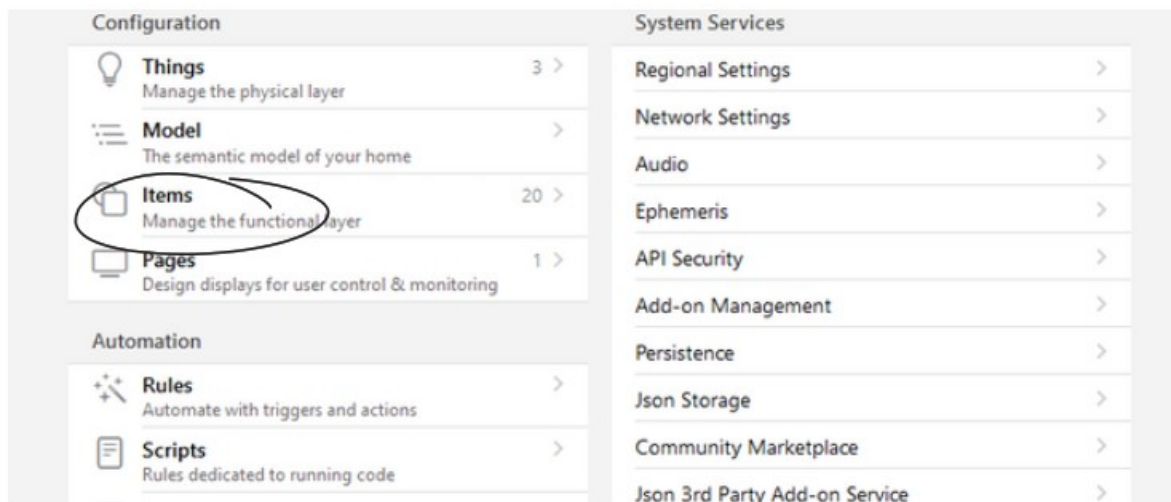   In the condition block, add a Condition according to your requirement (eg., add time in the condition).

Note:

- Select Mail/Telegram bindings according to your requirements to get the DoorBird's Trigger/Motion message or Images from the openHAB.
- In order to send the message via Telegram you need to follow the Bot Father in Telegram App and complete the configuration.
- Create Rules/Automation according to your requirement & as per available instances in the Channels List.

CREATING THE AUTOMATION USING JavaScript.

1. Create an item event which receives command ON/OFF.
2. Go to Items –> Click on "+" to add the new Item –> Add Item.

3. Enter the Name, Label for the item. Type –> Switch, Category –> front door (your choice), Semantic Class –> Office (your choice).

4. Click on Create.

5. After creating the Item it can be seen in the Item list. Click on Add Link.

6. Select Thing –> Select your DoorBird –> Doorbell instance.

7. It will add in the Item event. You can see this event in the Items list.

8. Go to Rules –> Click on "+" to add the rule .
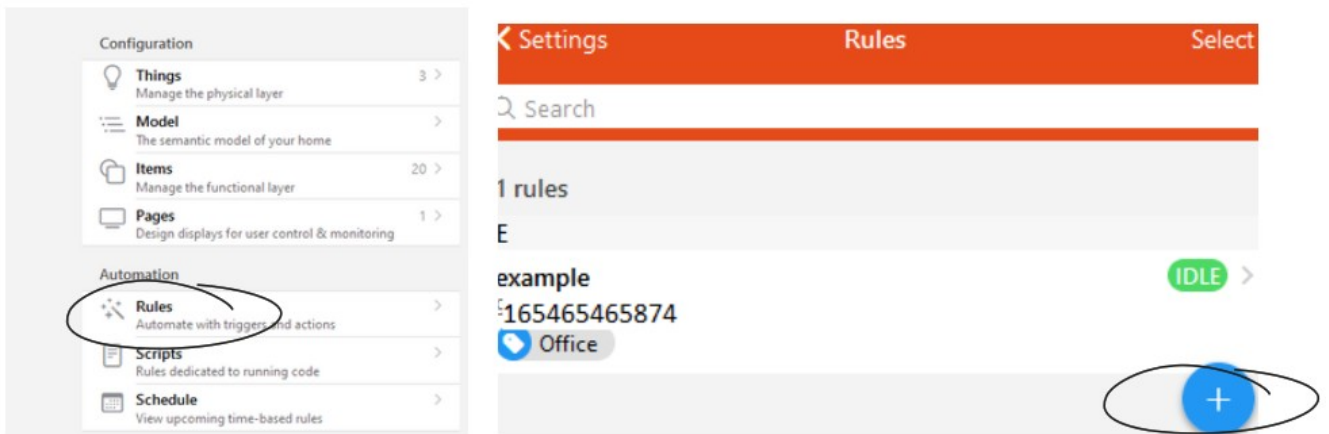
9. It will create a new unique ID for the new rule. Enter a Name and Description to the rule.

   When the trigger is executed, you can perform some action based on certain condition.

10. Click on "Add trigger" –> Item Event. Enter the Title and Description for your reference.
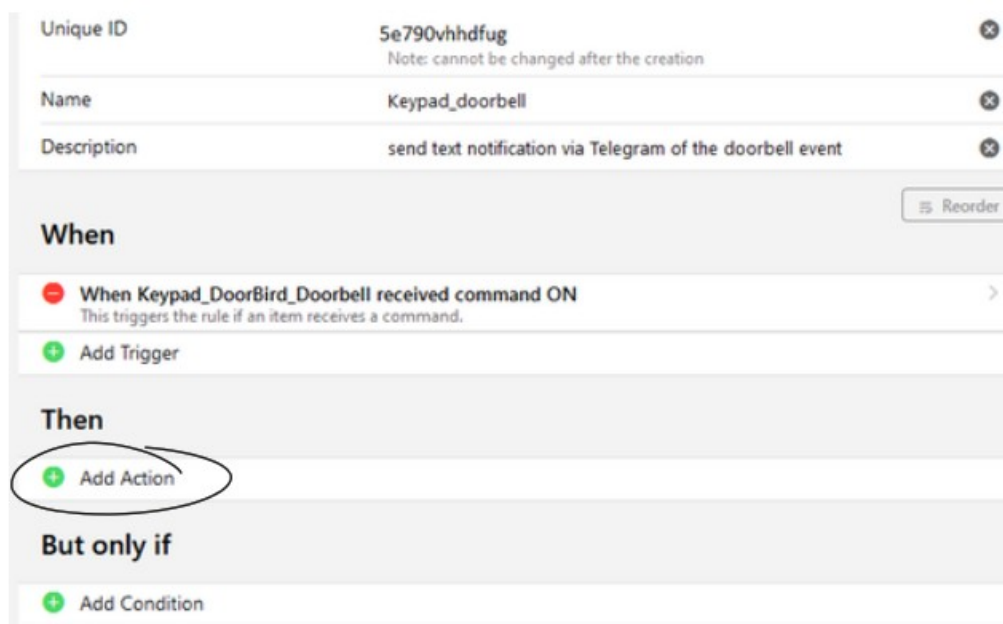

11. Select Doorbell event item –> Click on "Pick".
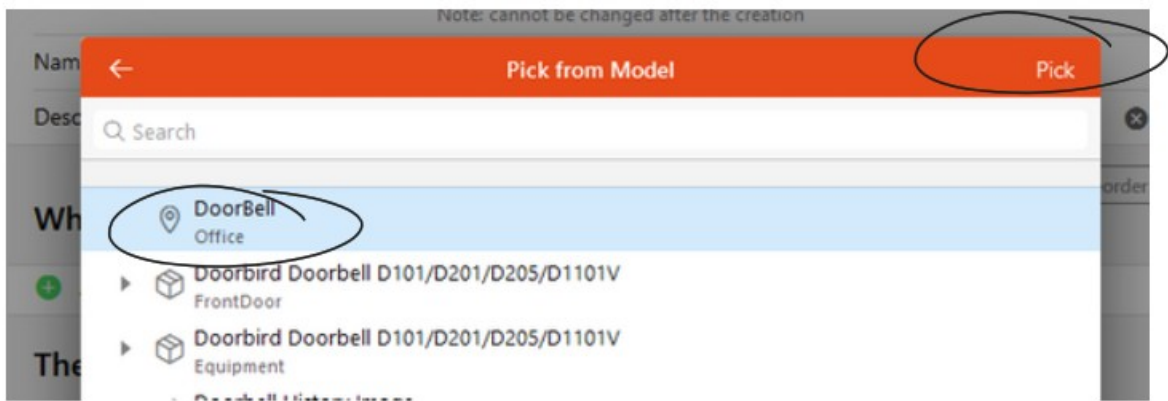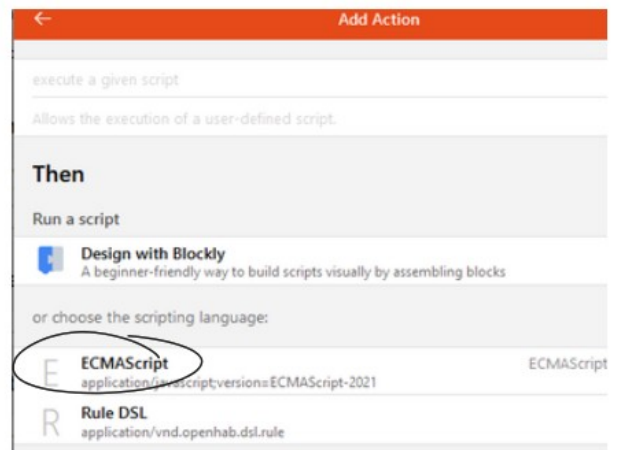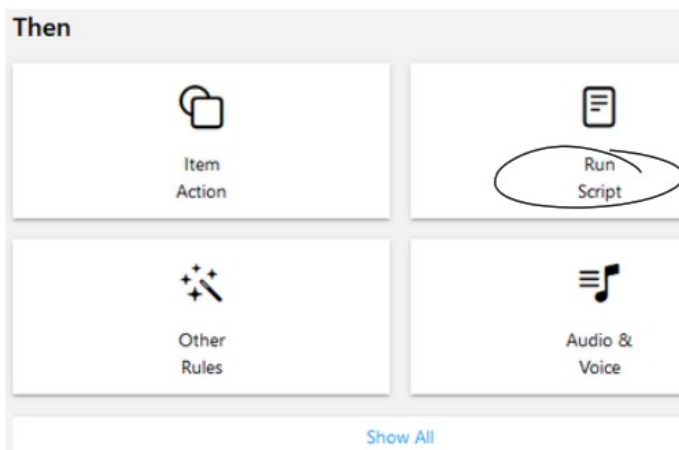
12. Select –> received a command and Command ON.

    Click on "Done".
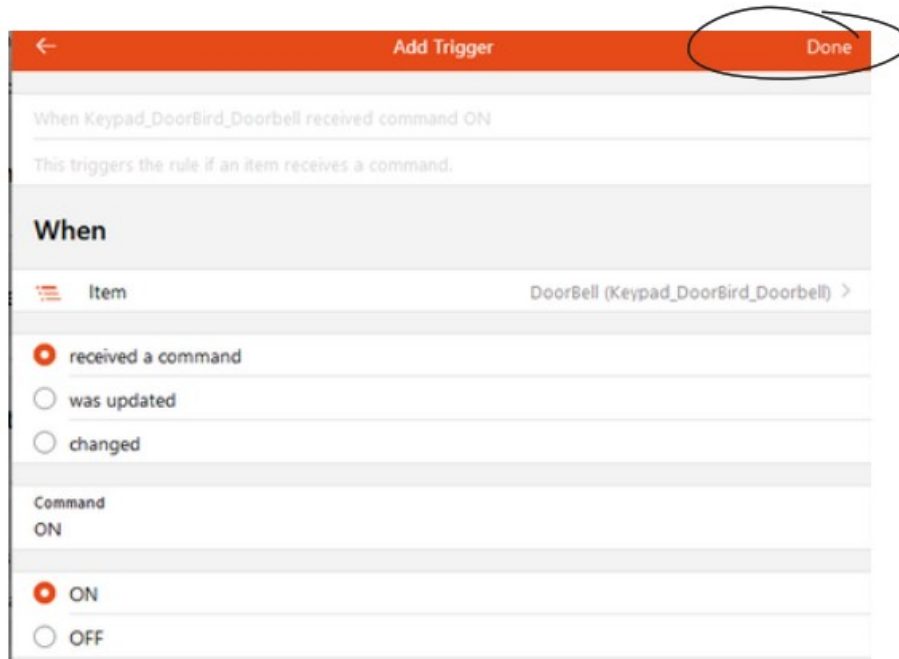
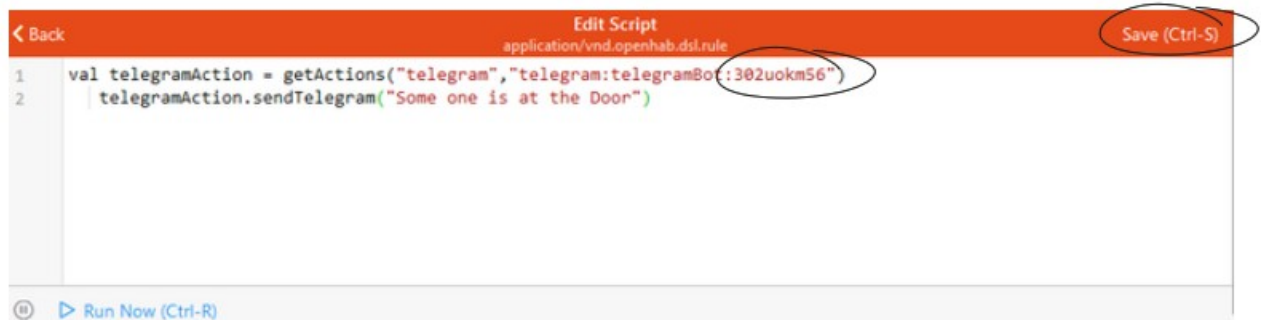2.12 Click on "Add Action".

13. Select –> Run Script –> Rule DSL.

   Hint: You can also write the script using the UI based Blockly.

14. Write the code to receive message from the openHAB.

    Enter the chat ID of your Telegram. Click on Save.


```
1    val telegramAction = getActions("telegram","telegram:telegramBot:302uokm56")
2      telegramAction.sendTelegram("Some one is at the Door")
```

15. Click on "Save" and run the rule.

    After completing Section 3 & 4 you will receive message for Doorbell event.
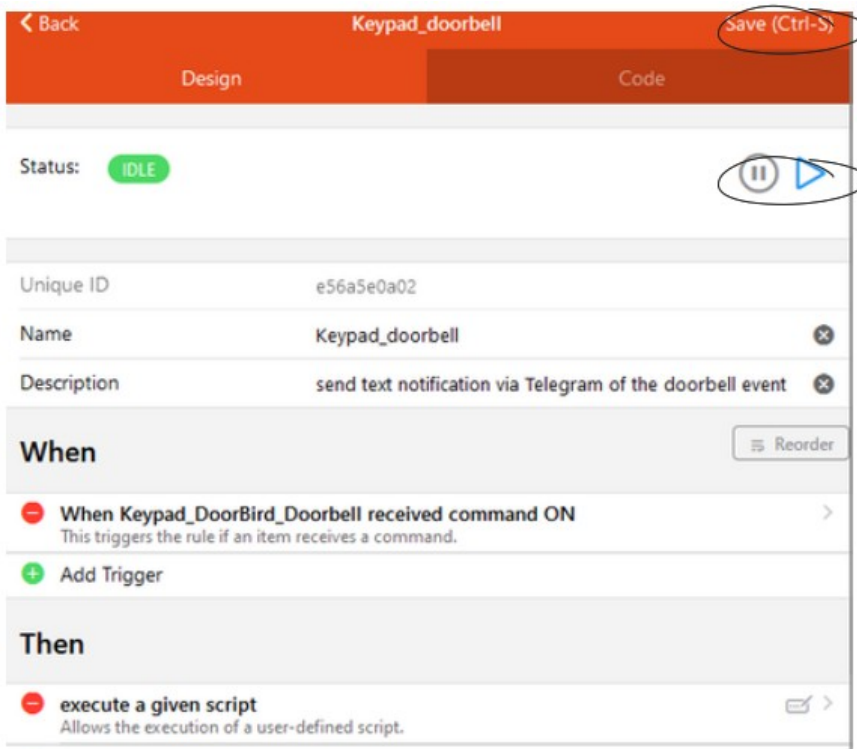
SETTING UP THE DOORBIRD IP VIDEO DOOR STATION

1. Open the DoorBird App and log into the administration area under "Settings –>Administration" using the administrator username and password credentials from the "DIGITAL PASSPORT" document that was shipped with your DoorBird IP Video Door Station.
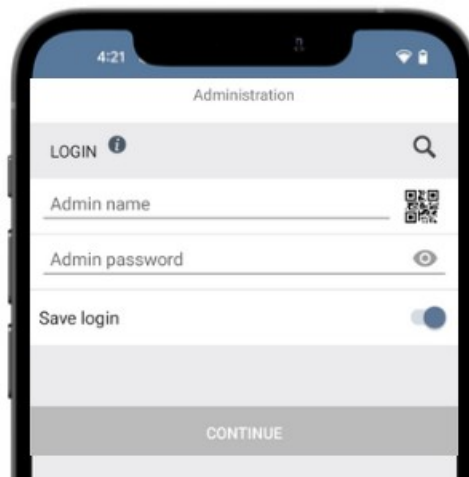
2. Go to User –>Settings. In the User Management –> User0001. Tick all the Permissions and Relays. Click on Save.

Hint: You can create new User (User000X) and use it for openHAB or you can use User0001.

3. Go back to Administration. Go to Favorites –> HTTP(S) Calls.

4. Enter the name –> openHAB & URL –>
http://IP_address:8080/basicui/CMD?Doorbird_Doorbell_D101D201D205D1101V_Open_Door_1=ON

5. Enter the IP address of the openHAB link.

Replace basicui with classicui in case you are using it.

For each instance of the DoorBird in the openHAB there will be a description mentioned, use the same name along with the command you want to send.

6. Click on "Save".
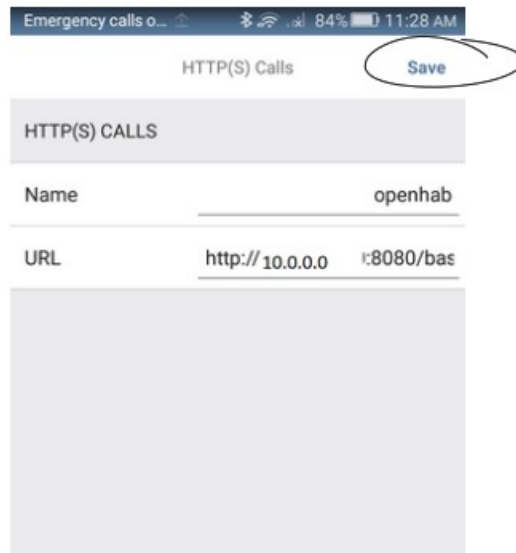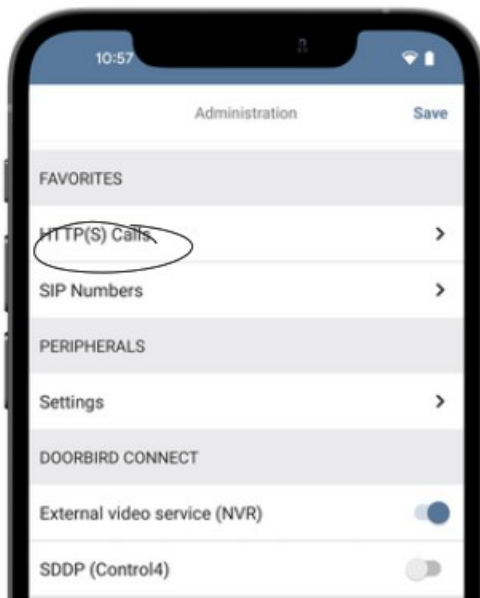
7. Schedule for the event (doorbell) to get a message from the openHAB to your Telegram messenger app.

SCHEDULE CONFIGURATION

Schedule for doorbell needs to be properly set up. Depending on the model of the DoorBird IP Video Door Station, choose one of the following options:

1. For all devices with a Single Call Button (e.g. D1101V, D2101V, D2101KV, etc.), find the corresponding settings in the DoorBird App administration menu EXPERT SETTINGS when selecting "Schedule for doorbell".
   In this screen, tap the bell symbol in the upper-left corner, select "HTTP(S) calls" and fill out the schedule as per your requirements for this event.

2. For all devices with multiple call buttons (e.g. D2102V, D2103V, D2112V, etc.), find the corresponding settings in the DoorBird Ap p administration menu BUTTON CONFIGURATION when selecting "Settings". Select the call button the event needs to get assigned to and go to "Schedule for actions".
   In this screen, tap the bell symbol in the upper-left corner, select "HTTP(S) call" and fill out the schedule per your requirements for this event.

3. For all devices outfitted with a digital display module (e.g. D21DKV), find the corresponding settings in the DoorBird App administration menu KEYPAD when selecting "Settings".
   Select the keypad combination the event needs to get assigned and go to "Schedule for actions".
   In this screen, tap the bell symbol in the upper-left corner, select "HTTP(S) call" and fill out the schedule per your requirements for this event.
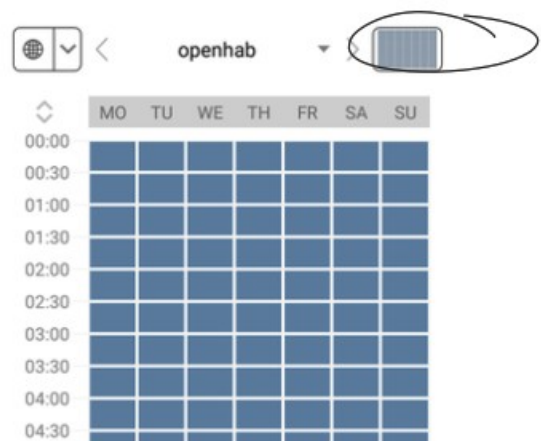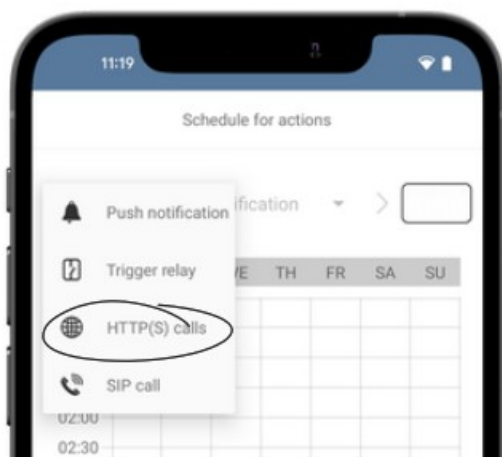
4. Return to the main administration area and save the settings.

Hint: By tapping the button in the upper right corner it is possible to fill or empty the entire schedule.
Note: If yo u have any questions or problems with the openHAB configuration, please write your question in the openHAB Community: **https://community.openhab.org/**
Note: For questions and problems regarding our devices (DoorBird IP Video Door Station or DoorBird IP Upgrade), please contact our technical support via the contact form online : **https://www.doorbird.com/de/contact**

FIRMWARE INFORMATION

This manual was tested using the following versions:

1. openHAB

   Version: 3.4.2 Release Build

   Operating System: Windows

2. DoorBird IP Video Door Station:

   Hardware device series: D21DKH-V2A
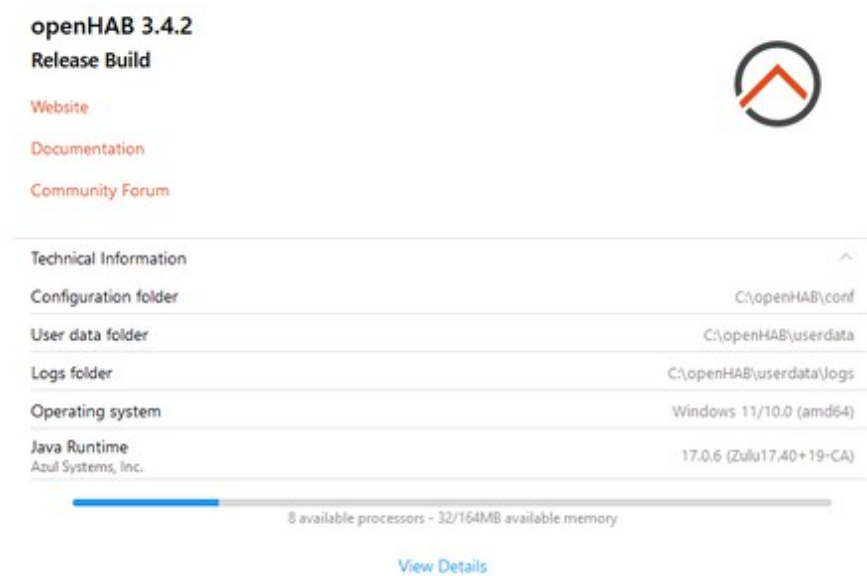
   Software Version: 000138

   Hardware device series: D1102FV

   Software Version: 000139

   Hardware device series: D101S

   Software Version: 000138

Documents / Resources
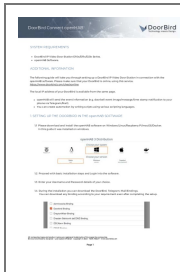
DoorBird Connect OpenHAB Software [pdf] User Guide
D10x, D11x, D21x, Connect OpenHAB Software, OpenHAB Software, Software

References

- **⊗ openHAB Community**
- **User Manual**