



## DoorBird Connect OpenHAB Software User Guide

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### DoorBird Connect openHAB

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### 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>

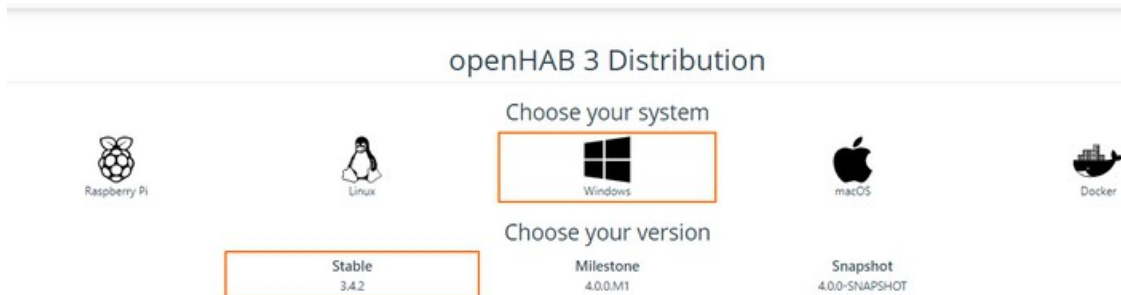
The local IP address of your DoorBird is available from the same page.

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](https://openhab.org)



Select Add-ons to Install

binding-doorbird  
**Doorbird Binding**  
3.4.2



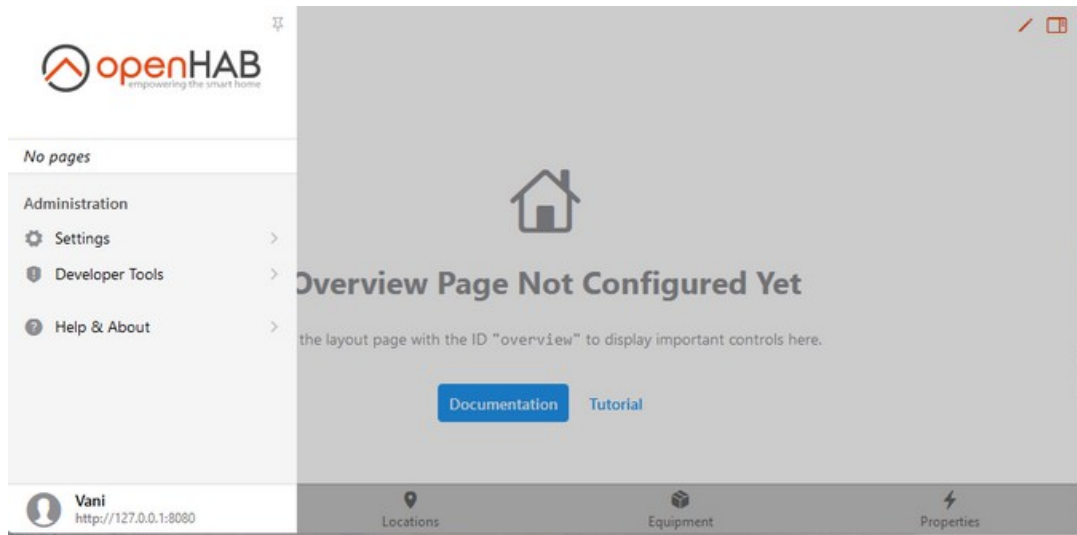
To optimize your system resources, install only the add-ons you need! Installing add-ons can take a while. Please be patient and stay on this page until the operation finishes.

Install 1 add-on

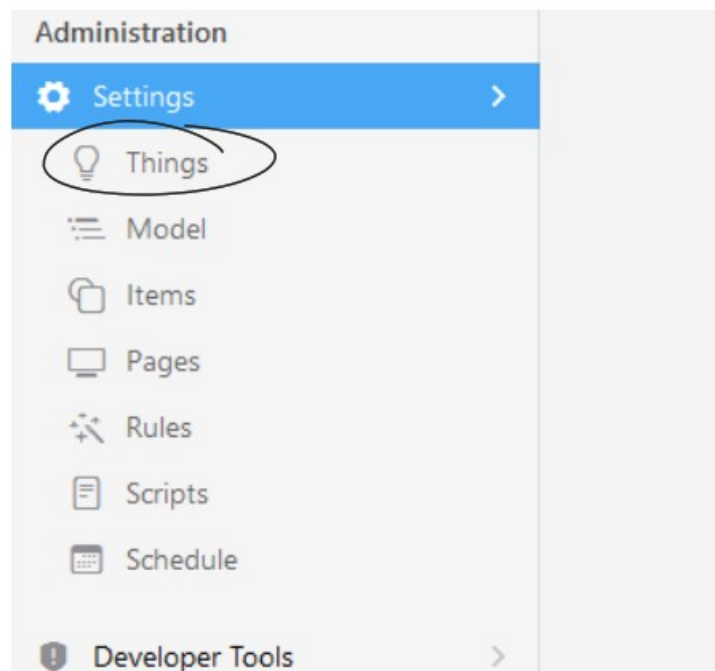
[Install Add-ons Later](#)

5. After Installing Add-ons the configuration will be completed.

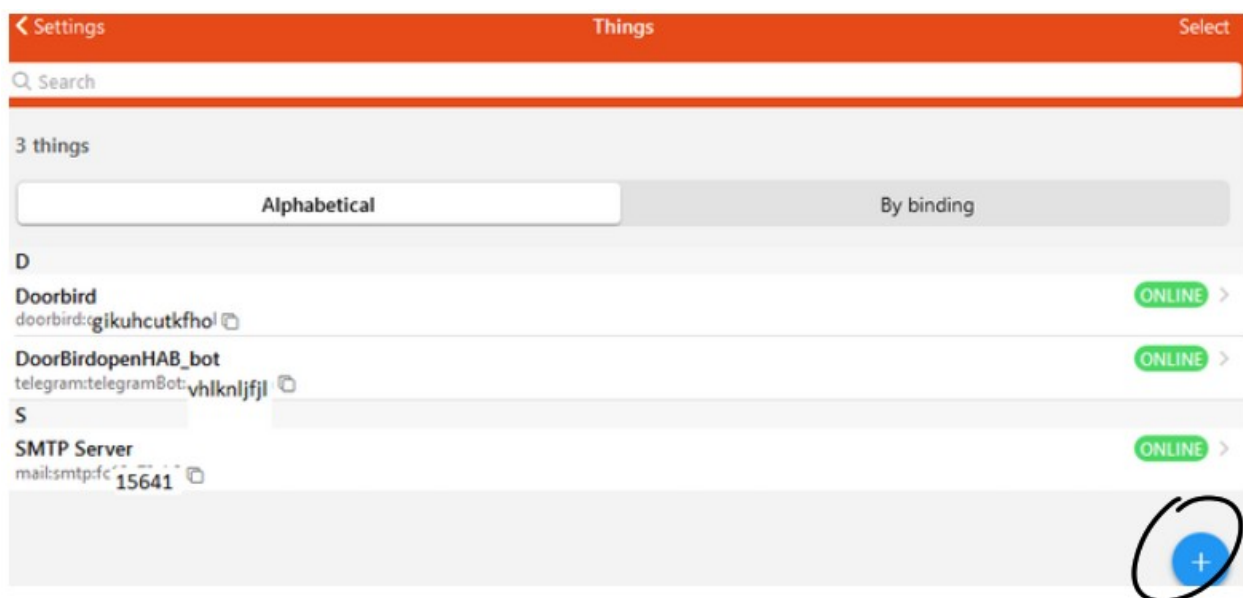
Select Documentation or Tutorial to get started.



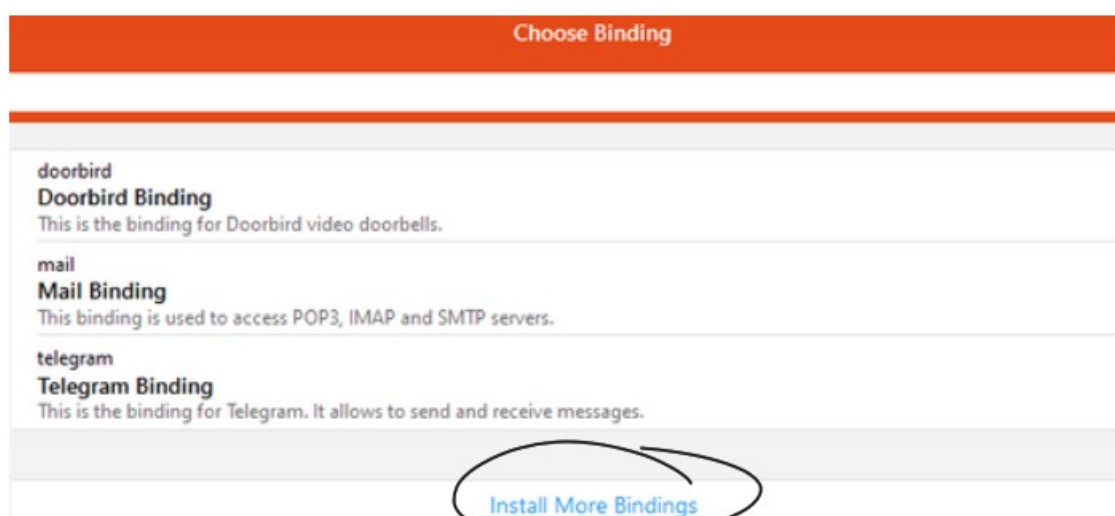
6. Add your DoorBird device as a "Thing" in the Settings.



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.

[< Back](#) Add a new Thing: doorbird

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 <small>Note: cannot be changed after the creation</small>
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.

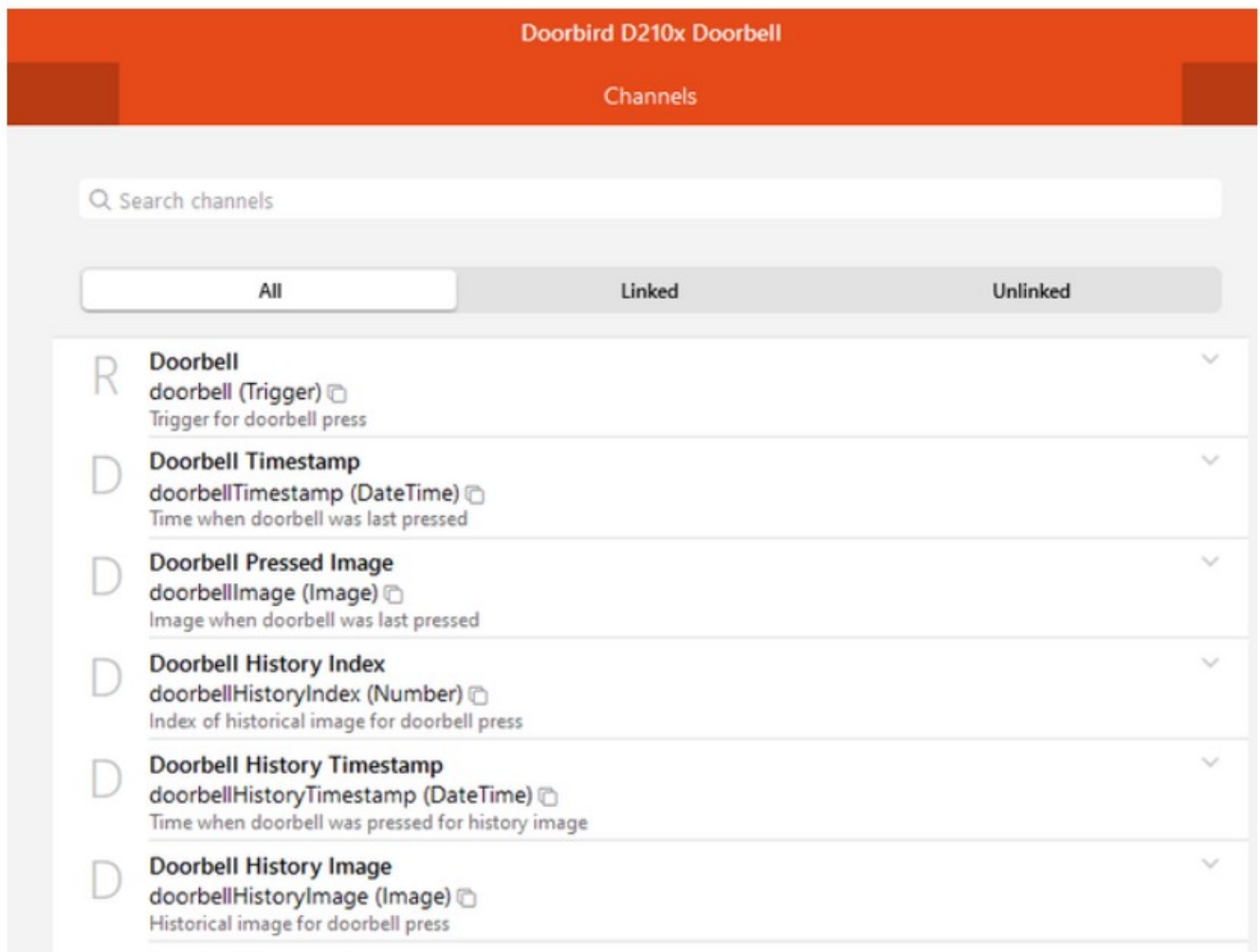
<b>Image Refresh Rate</b>	2	↕
Image refresh rate in seconds (blank to disable)		
<b>Doorbell Released Delay</b>	1	↕
Delay in seconds after a doorbell event to send RELEASED event (blank to disable)		
<b>Motion Off Delay</b>		↕
Delay in seconds to set motion channel OFF after motion event (blank to disable)		
<b>Montage Number of Images</b>	0	↕
Number of images to include in history montage		
<b>Montage Scale Factor</b>	25	↕
Scaling factor percentage to apply to history montage (e.g use 25 for 25%)		
<b>Create Thing</b>		

14. Click on the DoorBird to see the information.

D		ONLINE >
Doorbird	doorbird:gikuhcutkfho	
DoorBirdopenHAB_bot	telegram:telegramBot:vhlnljfjl	ONLINE >
S		
SMTP Server	mail:smtp:fc15641	ONLINE >

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 <span>⏸</span>			
Identifier	doorbird:d210x:16541vuygih		
Label	Doorbird D210x Doorbell		
Location	e.g. Kitchen		
<b>Information</b>			



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).

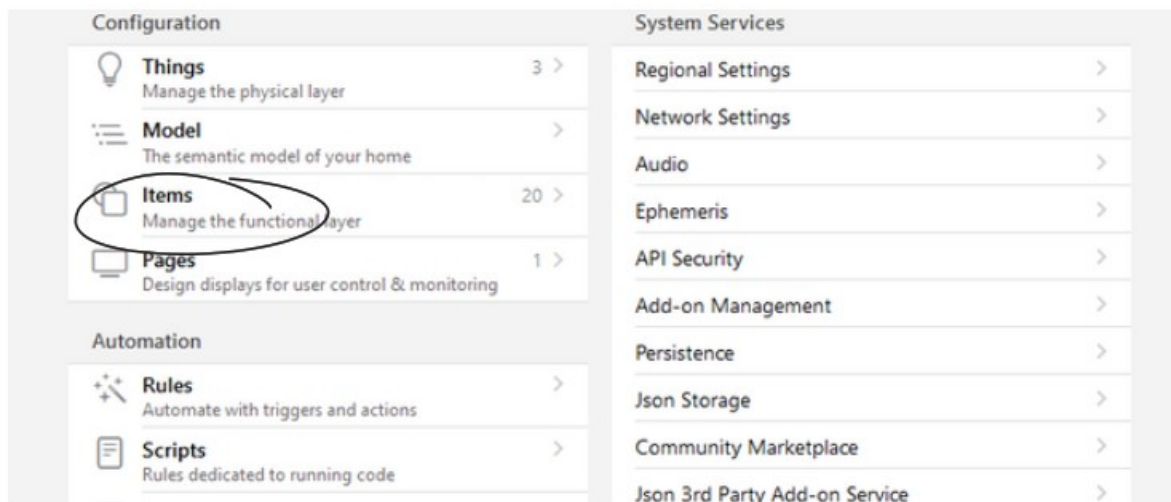
**Note:**

- 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.

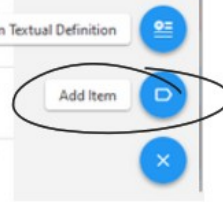




<b>Doorbell History Timestamp</b>	NULL >
<b>DateTime - Point</b>	
Doorbird_Doorbell_D101D201D205D1101V_Doorbell_History_Timestamp	
<b>Doorbell History Timestamp</b>	2023-03-20T09:23:48.000+0100 >
<b>DateTime - Point</b>	
Doorbird_D210x_Doorbell_Doorbell_History_Timestamp	
<b>Doorbell Montage Image</b>	NULL >
<b>Image - Point</b>	
Doorbird Doorbell D101D201D205D1101V Doorbell Montage Image	



Doorbird_Doorbell_D101D201D205D1101V_Doorbell_History_Image	
<b>Doorbell History Index</b>	NULL >
<b>Number - Point</b>	
Doorbird_Doorbell_D101D201D205D1101V_Doorbell_History_Index	
<b>Doorbell History Index</b>	NULL >
<b>Number - Point</b>	
Doorbird_D210x_Doorbell_Doorbell_History_Index	
<b>Doorbell History Timestamp</b>	NULL >
<b>DateTime - Point</b>	
Doorbird_Doorbell_D101D201D205D1101V_Doorbell_History_Timestamp	
<b>Doorbell History Timestamp</b>	2023-03-20T09:23:48.000+0100 >
<b>DateTime - Point</b>	
Doorbird_D210x_Doorbell_Doorbell_History_Timestamp	
<b>Doorbell Montage Image</b>	NULL >
<b>Image - Point</b>	
Doorbird Doorbell D101D201D205D1101V Doorbell Montage Image	



- Enter the Name, Label for the item. Type → Switch, Category → front door (your choice), Semantic Class → Office (your choice).
- Click on Create.



Create New Item

Name

Keypad\_DoorBird\_Doorbell

×

Label

DoorBell

×

Type

Switch >

Category

frontdoor

×

Semantic Class

Office >

Group Membership

Parent Group(s)

>

Non-Semantic Tags

Add tag

Create

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

Keypad\_DoorBird\_Doorbell

DoorBell

Switch

Analyze

Tags

Office

Semantic Classification

class

Location\_Indoor\_Room\_Office

Metadata

Add Metadata

Channel Links

Add Link

Remove Item

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

Link Channel to Item

Item

DoorBell  
Switch · Location>Office  
Keypad\_DoorBird\_Doorbell

Thing

Thing

Thing Close

Search things

Doorbird

Doorbird D210x Doorbell

DoorBirdopenHAB\_bot

← Pick from Model

Search

DoorBell  
Office

Doorbird Doorbell D101/D201/D205/D1101V  
FrontDoor

Doorbird Doorbell D101/D201/D205/D1101V  
Equipment

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

Office

Semantic Classification

class Location Indoor\_Room\_Office

Metadata

Add Metadata

Channel Links

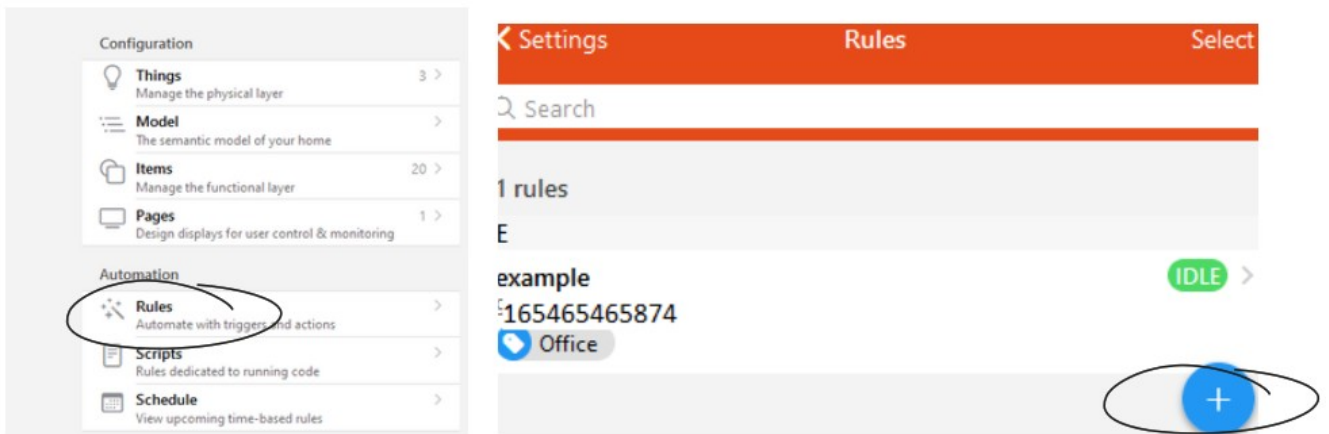
Doorbird D210x Doorbell  
Open Door 1  
doorbird:d210xab628209ff:openDoor1

ONLINE

Add Link

Remove Item

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.

Unique ID: 5e790vhhdgug  
Note: cannot be changed after the creation

Name: Keypad\_doorbell

Description: send text notification via Telegram of the doorbell event

When

+ Add Trigger

Then

+ Add Action

But only if

+ Add Condition

Tags

Semantic Class: None

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

← Add Trigger

Title

Description

When

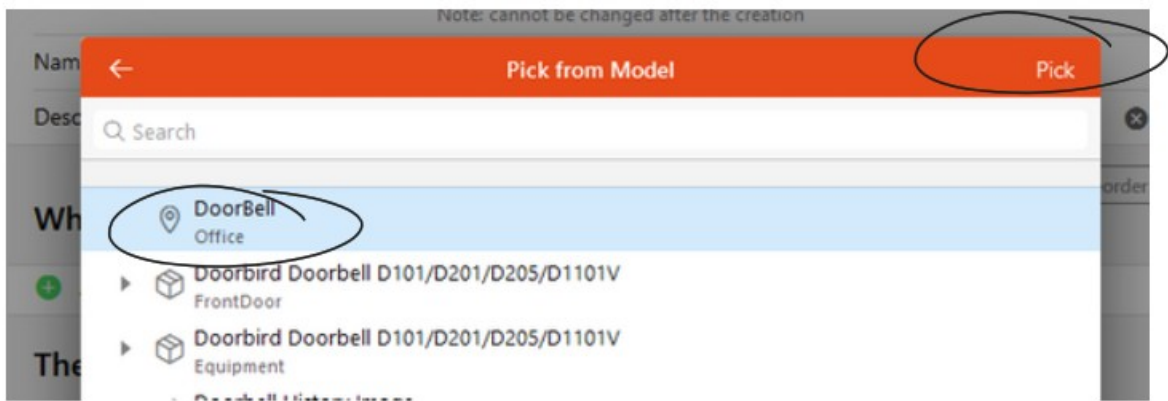
Item Event

Thing Event

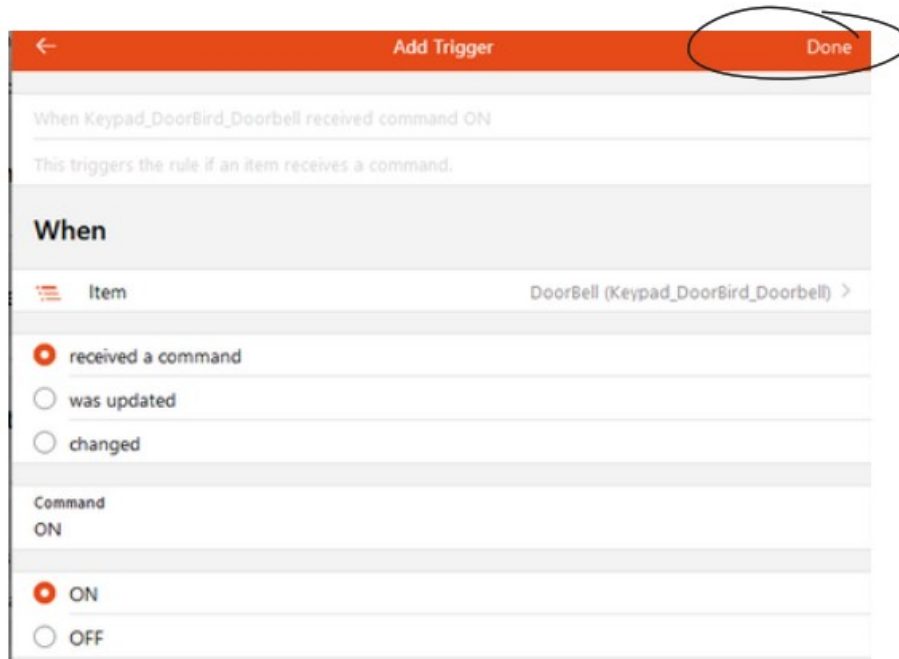
Time Event

System Event

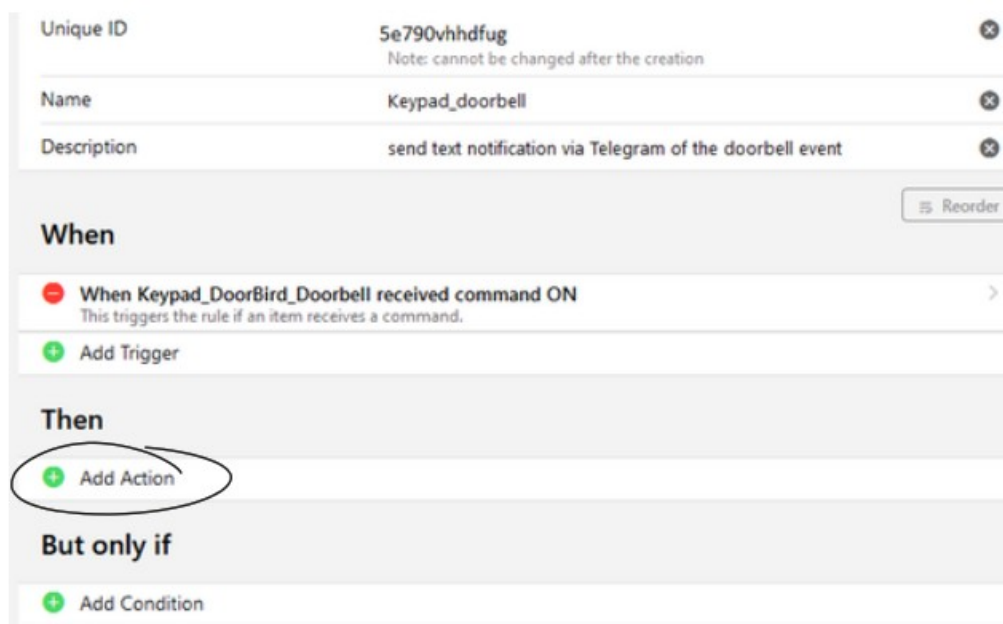
11. Select Doorbell event item → Click on "Pick".



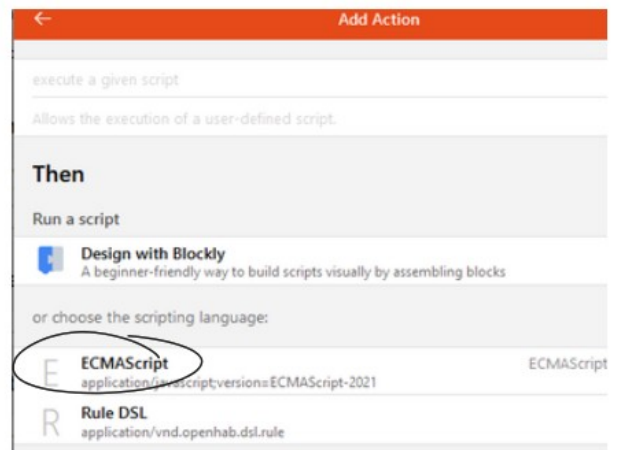
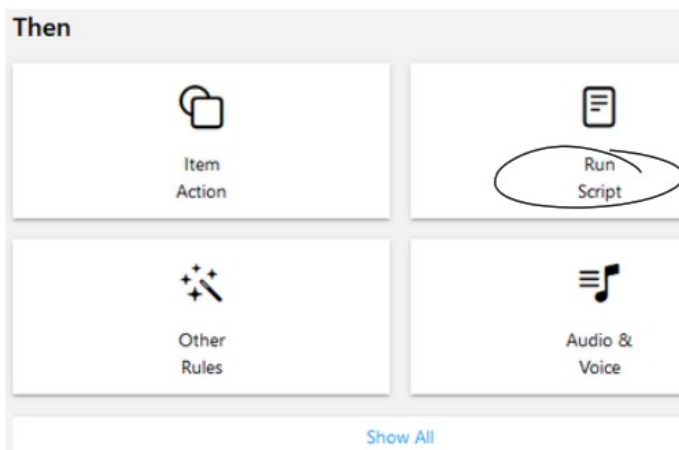
12. Select → received a command and Command ON.  
Click on “Done”.



- 2.12 Click on “Add Action”.

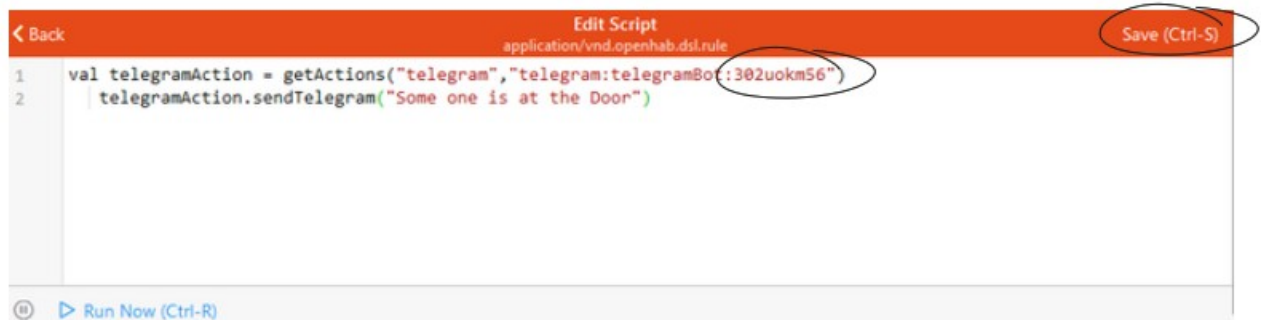


13. Select → Run Script → Rule DSL.  
Hint: You can also write the script using the UI based Blockly.



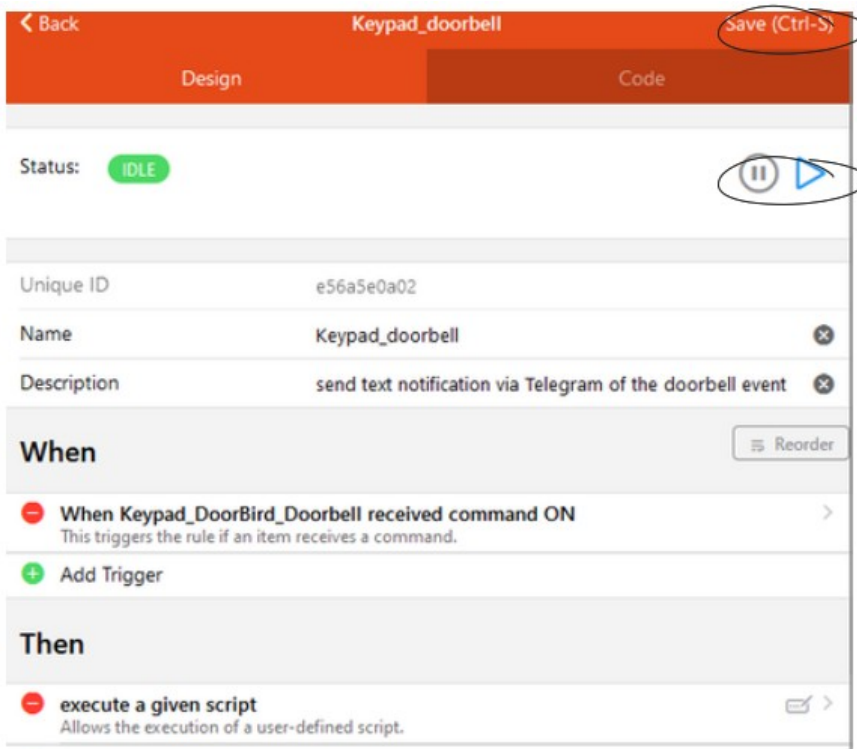
14. Write the code to receive message from the openHAB.

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



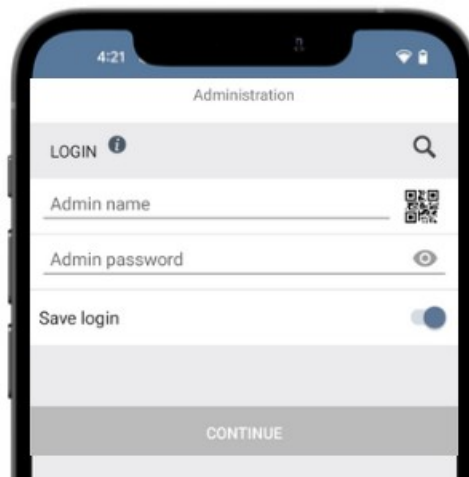
15. Click on "Save" and run the rule.

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.

Administration Save

USERNAME

ghjbuw0001

PASSWORD

\*\*\*\*\*

CHANGE PASSWORD

NAME (COMMENT)

ghjbuw0001

PERMISSIONS

Permissions Select >

Administration

PERMISSIONS

Watch always ☒

History ☒

Motion ☒

Geofencing ☒

API-Operator ☒

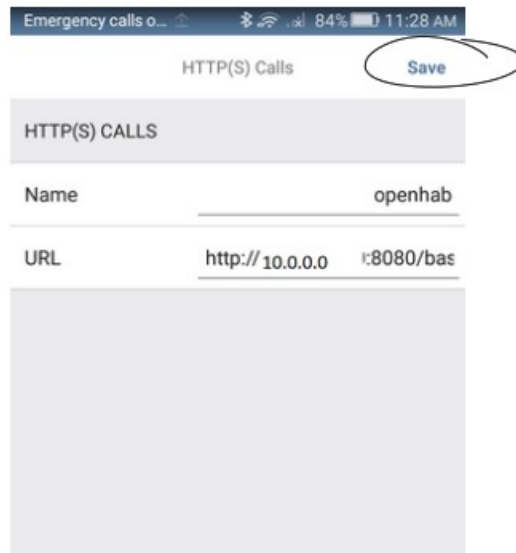
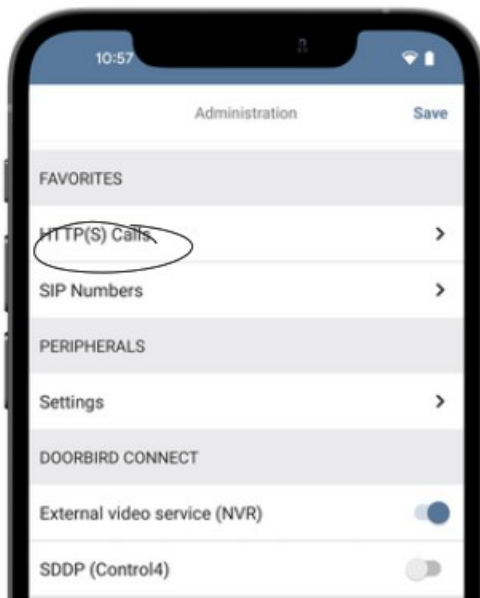
ACCESS RELAYS ☒

Relay\_1 ☒

Realy\_2 ☒

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](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".

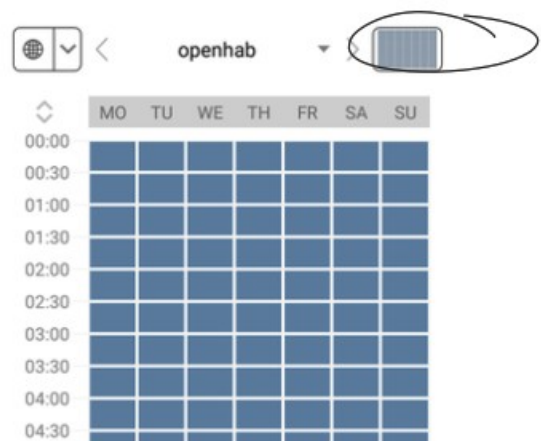
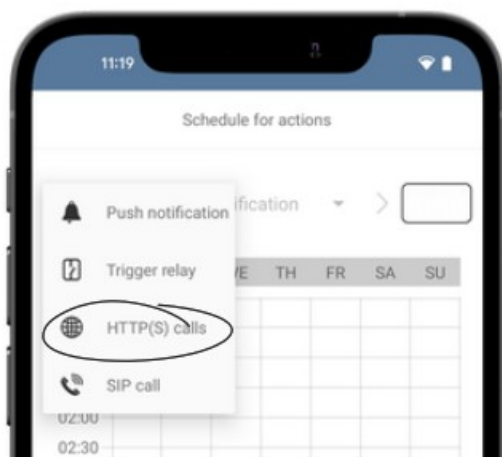


7. Schedule for the event (doorbell) to get a message from the openHAB to your Telegram messenger app.

## 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 App 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 you 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

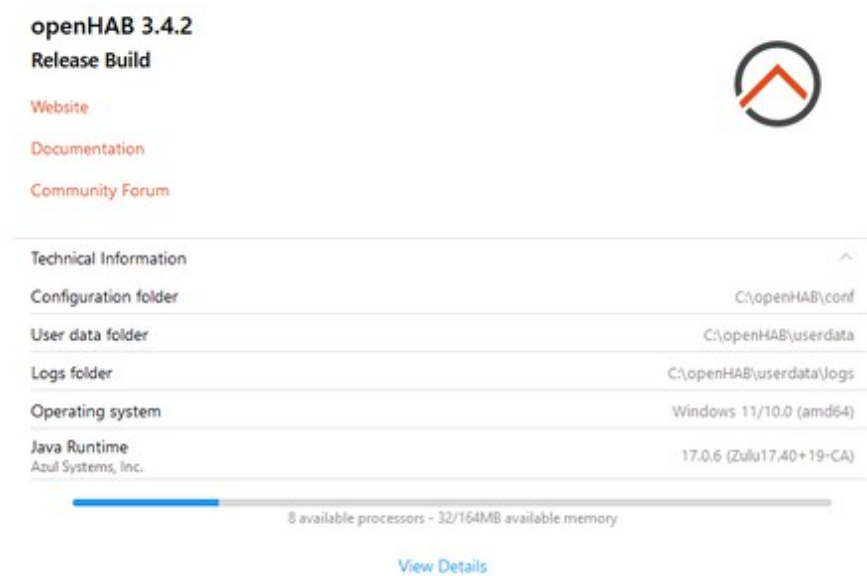
Software Version: 000138

Hardware device series: D1102FV

Software Version: 000139

Hardware device series: D101S

Software Version: 000138



The screenshot displays the openHAB 3.4.2 Release Build interface. At the top, there are links for Website, Documentation, and Community Forum. Below these is a table of technical information. A progress bar indicates 8 available processors and 32/164MB available memory. A 'View Details' link is at the bottom.

Technical Information	
Configuration folder	C:\openHAB\conf
User data folder	C:\openHAB\userdata
Logs folder	C:\openHAB\userdata\logs
Operating system	Windows 11/10.0 (amd64)
Java Runtime Azul Systems, Inc.	17.0.6 (Zulu17.40+19-CA)

8 available processors - 32/164MB available memory

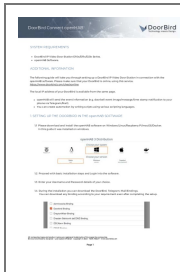
[View Details](#)

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[www.doorbird.com](http://www.doorbird.com)

## Documents / Resources



**[DoorBird Connect OpenHAB Software](#) [pdf] User Guide**  
D10x, D11x, D21x, Connect OpenHAB Software, OpenHAB Software, Software

**References**

-  [openHAB Community](#)
- [User Manual](#)

**[Manuals+](#), [Privacy Policy](#)**

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