

# Xiaomi-Dafang-Hacks

## Telegram Integration for the WyzeCAM 2

**Purpose:** To offer a graphical and step by step instruction guide for setting up Telegram bot integration. All information in this guide was gathered from various pull requests and reported issues. This guide was created because the author is not a developer but wants to contribute something back to the project for being amazing.

### Requirements:

- CFW is installed on your camera
- User has a telegram account
- User knows what [SSH](#) is and can access it through PuTTY or a terminal
- Know when to include or exclude “ ” in provided code snippets

### Quick references:

- [GitHub Page for installation](#)
- [Web GUI](#)
- Login Information
  - Username: root
  - Password: ismart12

# Creating a Telegram Bot and Obtaining API Key and Chat ID

THIS NEEDS TO BE DONE ON A DESKTOP!

1. Use the search function in telegram to find the user called The BotFather

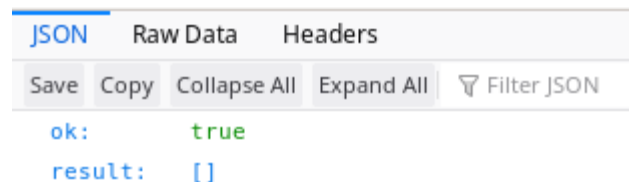
@botfather



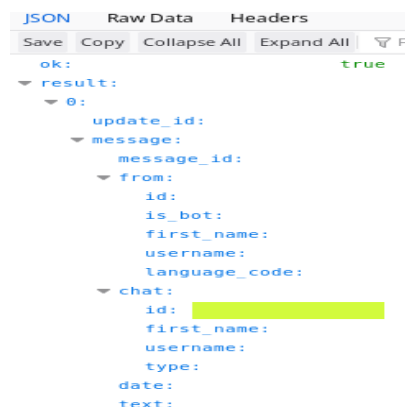
2. In the message field, you need to send a command to create a new bot  
`/newbot`
3. Once you've named your bot, you will be provided an API key. You will copy and paste this key soon, so keep it handy in a word document or the chat application.
4. Start a new chat with your bot.
5. In a web browser, copy and paste the following URL but before hitting enter, replace the indicated area with your API key from the BotFather.

`https://api.telegram.org/bot**PASTE YOURAPIKEYHERE**/getUpdates?offset=0`

6. Once you have put in your API key, hit enter and you should see a page like this:



7. In telegram, send a nonsense message to your bot. After it has been sent, refresh your webpage. You should see something similar to the screen shot below. All information has been removed the the image, but the needed ID location is indicated with a yellow box.



## Enable Telegram Functionality on Camera SD Card

1. Use a terminal or PuTTY to ssh into your camera using the default login credentials

username@camera.IP.address.replacetext

2. Navigate to the folder that contains all the necessary configurations.

cd /system/sdcard/config

3. Open the file called "telegram.conf.dist" using vi (very upset nano wasn't included :P )

vi telegram.conf.dist

```
#####  
# edit this file and move it to /system/sdcard/config/telegram.conf #  
#####  
  
# Add your Telegram credentials here (these are just examples)  
apiToken="23132160:AAFrSEwzJ-X-64tLnD8JJ$JoAxWIMg$$w"  
userChatId="30985132"
```

This is a template that will be copied over to the working directory (the folder you are currently in now). Once you know your API for telegram and the chatId, you can paste it into the correct place.

4. Close the file using these steps:

- hit the colon key ":"
- type "q!" and hit enter

5. Copy the template into a working file:

cp telegram.conf.dist telegram.conf

6. Open the new file using vi

vi telegram.conf

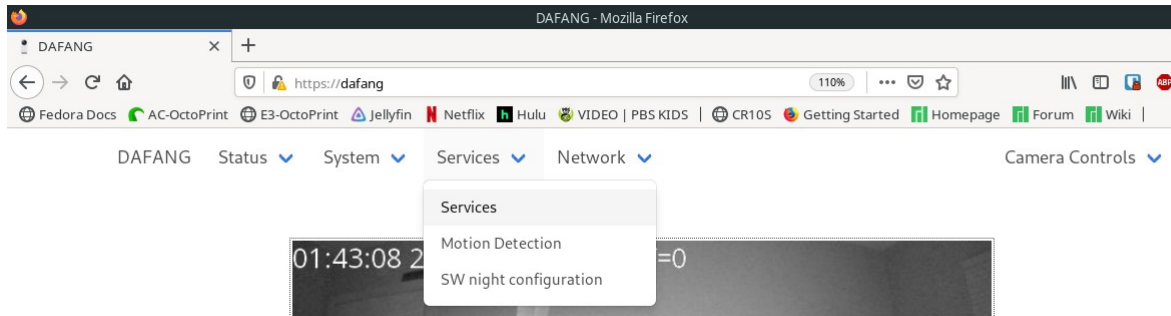
7. Hit the "i" key to be able to input text into the file. Paste in your API key and chatID values but LEAVE THE QUOTES

8. Save your file by hitting the keys in the following order:

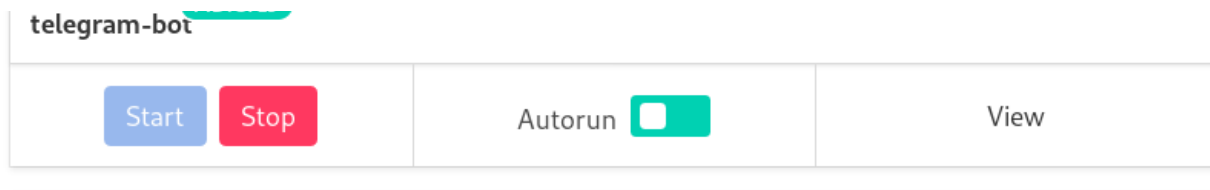
- esc
- :w
- :q!

## Enable Telegram Features in Web UI

1. Open the Web GUI and go into the services section



2. Start the telegram bot



3. You should now get a message from your bot in telegram

```
##### Bot commands #####  
# /mem - show memory information  
# /shot - take a snapshot  
# /on - motion detection on  
# /off - motion detection off  
# /textalerts - Text alerts on motion detection  
# /imagealerts - Image alerts on motion detection  
# /videoalerts - Video alerts on motion detection
```

4. If your bot doesn't message you, try sending a message to it.

HOPEFULLY YOU ARE SUCCESSFUL! IF YOU FIGURE OUT HOW TO  
DO OTHER COOL THINGS, DOCUMENT AND SHARE!

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