RASPBERRY FURBY™ MANUAL

MATT TUCKER

Congratulations on becoming the proud[1] owner of a "new-ish"[2, 3] Raspberry Furby™! The following is a summary of instructions for how to opperate your Raspberry Furby™. Please keep in mind that, should you find yourself in need of help, you are always welcomed[4] to call our techsupport center[5]. We hope you enjoy your many adventures[6] with your Raspberry Furby™!

Date: January 7, 2020.

[1]Don't lie... You know you are. This is a boss ass present.

[2]**New-ish** - [noo-ish] - adjective: The act of being somewhat new.

[3]Disclaimer: We here at Genius Enterprises™ do not claim the Furby to be new, the use of the word "newish" here simply refers to the integration of a Raspberry Pi in a Furby. Further more we claim no responsibility should the Furby break, catch on fire, happen to be infested with bugs, summons an undead army to exact revenge on humans in response to the cruelty of its former owner, or any other malfunctions due to age.

[4]That's a lie

[5]It wasn't an accident that we left the number out of here.

[6]Like Dumbledore enjoyed his last faculty meeting with Snape. Wasn't that just a plesant meeting... :)

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1. SOME BASIC INFORMATION

To begin with, you'll probably want to know a few things about your Raspberry Furby™. Well, your Fuby was found by one of our experts[7] deep in the amazon rainforrest[8] in the arms of a dying shawman who claims to have cursed...[9]

After the intern brought us the Furby from the rainforrest or w/e, we went right to work on it. We analysed it, catalogued it, and then we tossed it in the creep junk pile. But then creepy shit started happening so we did this thing with it and now it's yours. So yea...

Other than that, the default username and password are

UN:	**XXXXX**
PW:	**XXXXX**

If you want to use SSH[10] or VNC[11] you will need to know both of those.

[7] Ok, he was really more like an intern.

[8] Why he was there, we have no idea... We sent him to Starbucks to get us all coffee

[9] I'm sure the rest of the story was "important," but our intern died before he could finish

[10] Secure Shell, is a form of remote access using Command Prompt, Terminal, ect.

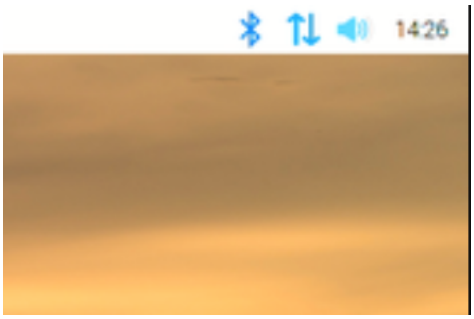
[11] Virtual Network Computing, is a form of remote access that allows you to see and control what is on the screen of another computer.

2. GETTING STARTED

Well,... plug everything in. Duh.

The End[12]

Oh and you're probably going to want to setup WiFi. To do that, locate the blue arrows pointing up and down in the top right, click on them, and setup your WiFi account accordingly.



[12]If you want to use Voice Command, you're going to have to plug the WebCam in too.

3. How to Use Voice Command

...you use your voice, and give it commands.

NOTE: The web camera must be plugged in for Voice Command to work[13]

To give your Raspberry Furby™ commands, start by saying **"Furby..."**[14] this initiallizes the code to listen by leting it know you're saying something to it. As a default, you can use the following commands:

- **"email"**[15]
  (1) This will be promted by a request for whom you'd like to send it to. You will have to say the entire address.[16]
  (2) You will then be prompted what it should write
  (Ex)

"**Furby,** send an **email**." *PROMPT* "scooby.doo.234@hotmail.com" *PROMPT* "Would you do it for a Scooby snack?"

- **"definition..."**[17]
  This will look up the definition of any word you ask it.
  To use simply say, **"Furby... definition..."** and whatever the word you interested in.
  (Ex)

"**Furby**, what is the **definition** of, *mystery?*"

- **"time..."**
  This will give you the current time.
  (Ex)

"**Furby, time**"

[13] You could alternatively replace the web camera with a mic.

[14] You can alternatively ask it, **"Can you..."**

[15] This may be buggy as hell.

[16] What did you expect? I only had like a week to write the code on the backbone of old code, build the Furby, setup the family messaging interface, and write these instructions

[17] similarly you can ask it for **synonyms** and **antonyms**

- **"show me where a city is"**
  CURRENTLY NOT WORKING

- **"Google..."**[18]
  This will Google w/e you ask it
  To use simply say, **"Furby, Google,** and whatever the word you interested in.
  (Ex)

  "**Furby**, please **Google**, *Scooby-Do, Where Are You.*"

- **"find..."**
  This will search Wolfram Alpha for w/e you ask it
  To use simply say, **"Furby, find,** and whatever the word you interested in.
  (Ex)

  "**Furby**, please **Google**, *Scooby-Do, Where Are You.*"

- **"calculate..."**
  This will calculate w/e you ask it
  To use simply say, **"Furby, calculate** and whatever you want calculated
  (Ex)

  "**Furby, calculate**, $(4 \times 5)^3$"

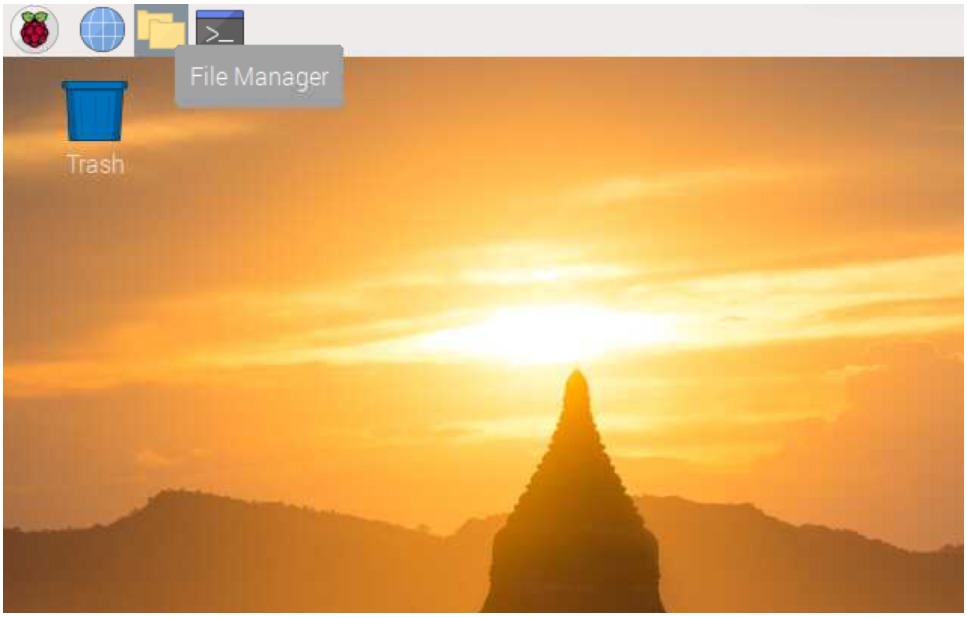
- **"tell me about..."**
  This will search Wikipedia w/e you ask it
  To use simply say, **"Furby, tell me about** and whatever the word you interested in.
  (Ex)

  "**Furby, tell me about**, *the Mystery Machine*"

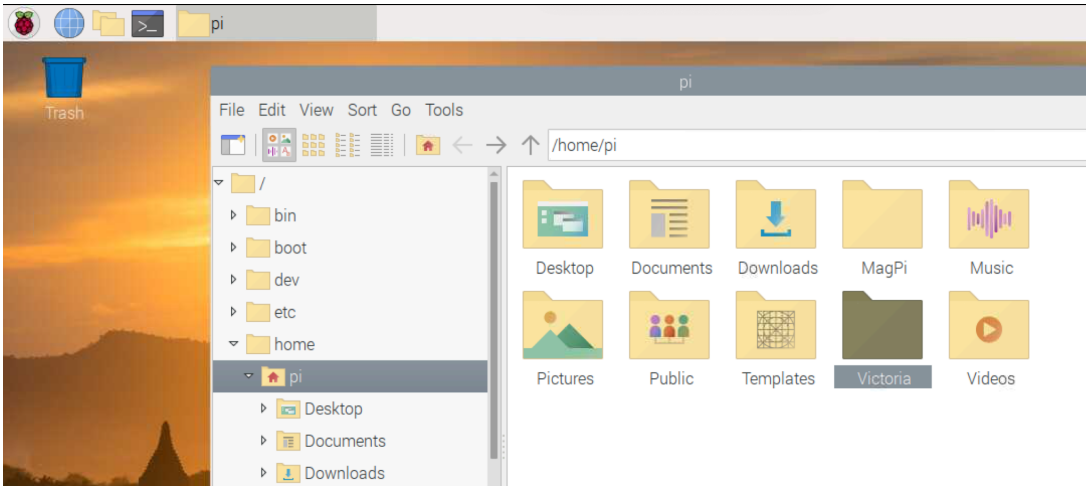
[18] Could similarly ask it to **"search..."**

4. How to Locate the Voice Command File (Assistant.py)

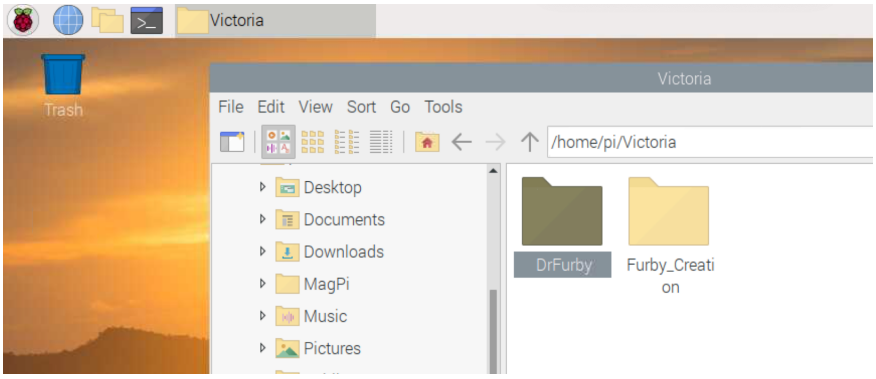
(1) Go to your home screen
(2) At the top left, in the task bar, you will find 4 icons, the 3rd one from the left is a pair of folders. Click it.



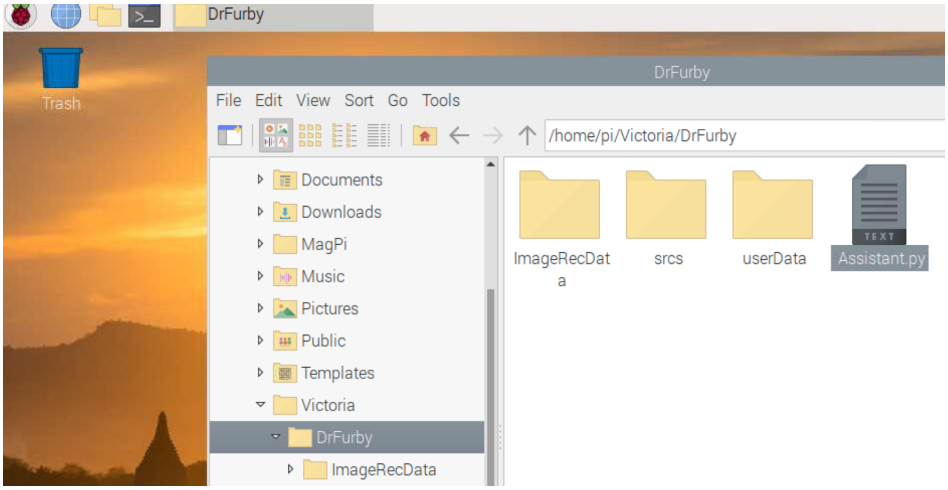
(3) Click the file labled, "Victoria"



(4) Click the file labled, "DrFurby"



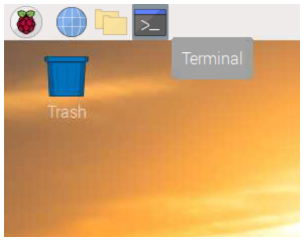
(5) The file containing the code for the Voice Command is the file labled, "Assistant.py"

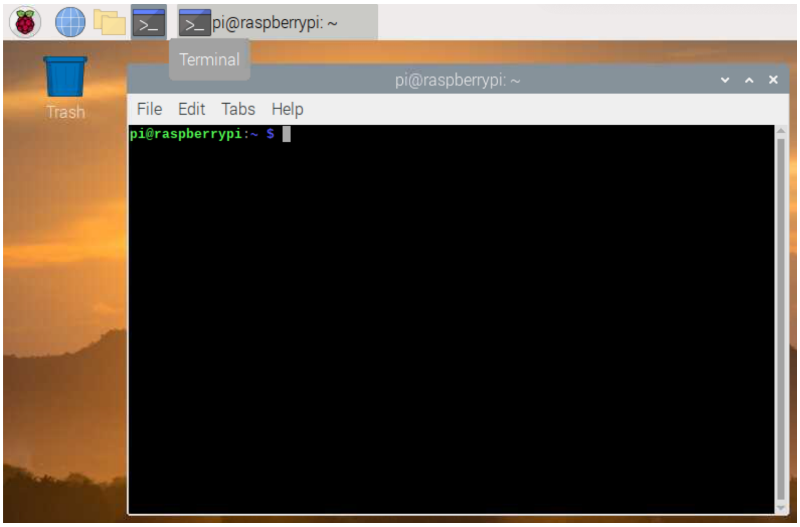


5. How to Open Terminal and Turn Voice Command On or Off

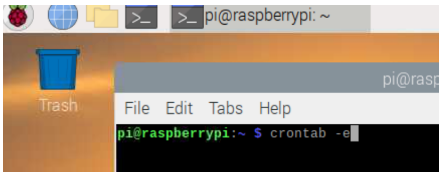
To disable or enable Voice Command you'll have to open, "Terminal" and change a single line in "cron." The following is a step by step for how to do that.

(1) Open "Terminal" by locating its icon in the top left of your screen in the "Task Bar" and clicking on it.

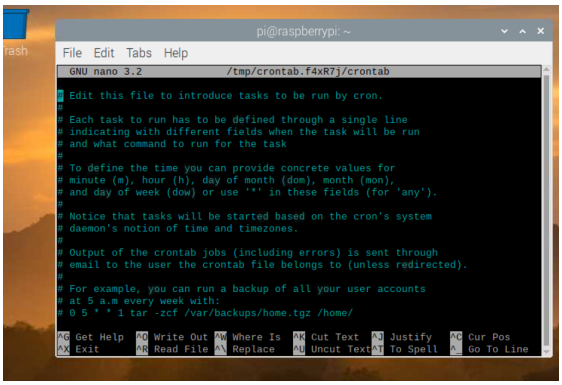




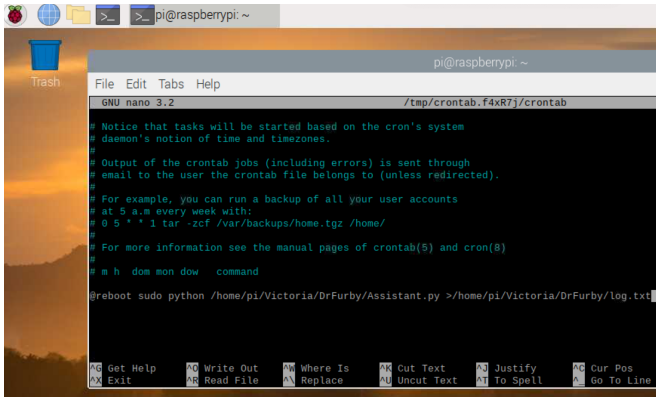
(2) Next, once you've got Terminal opened type, "*crontab -e*" and press "enter."



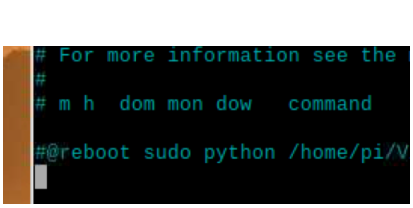
(3) Once you've done that, you should be met with a screen that looks something like this.

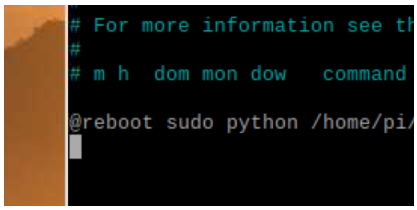


Scroll down untill you find the line that reads:
"*@reboot sudo python /home/pi/Victoria/DrFurby/Assistant.py...*"



(4) If you want to disable Voice Command, place a "#" at the beginning of the line(the line may change colors when you do). Otherwise, if you want Voice Command to be enabled, make sure the line does not begin with a "#". See the two images below for a reference.





6. How to Setup Email with Voice Command

- To setup e-mail[19], open the Assistant.py file[20] and scroll down to the about the 30th line of code.
- You will find a chunk of code that's been written into a block, with a header that reads:
  "...#### - *CHAT* - #####..."
- In that block replace everything that reads "ADD" with the relevant data and delete the "#" at the begining of each of those lines.

```
############################ ~ CHAT ~ ##########################################
# Keys and other user specific information

# Delete the # and replace "ADD" with relevant entry

#pw = "Jane"
#add = "Doe"
#location = "Place"
#signature = '\n' + "Bamby" + '\n' + "This was written via her digital assistant"

# Math Feature
#client = wolframalpha.Client("KEY")

# Weather Feature
#API_key = 'KEY'
#owm = OWM(API_key)
#############################################################################


############################ ~ Image ~ #########################################
# Return to and fix
def PeepCounter():
    import cv2
    face_cascade = cv2.CascadeClassifier('ImageRecData/haarcascade/haarcascade_frontalface_defau
```

```
23  from time import ctime
24  from PyDictionary import PyDictionary
25
26
27  ############################ ~ CHAT ~ ##########################################
28  # Keys and other user specific information
29
30  # Delete the # and replace "ADD" with relevant entry
31
32  pw = "Jane"
33  add = "Doe"
34  location = "Place"
35  signature = '\n' + "Bamby" + '\n' + "This was written via her digital assistant"
36
37  # Math Feature
38  client = wolframalpha.Client("KEY")
39
40  # Weather Feature
41  API_key = 'KEY'
42  owm = OWM(API_key)
43  #############################################################################
44
45
46  ############################ ~ Image ~ #########################################
47  def PeepCounter():
48      import cv2
```

[19]Use a social email account not prone to having sensitive data set to it. It's always better to be safe than sorry.

[20]See, "How to Locate the Voice Command File (Assistant.py)"

7. Family Annoyance App™

Per the social contarct that exist between brother and sister, I feel it is my duty... ney my privlige to inform you of a new special feature I've built just for your Raspberry Furby™, it's called the Family Annoyance App™.

The Family Annoyance App™is the latest in cutting edge sibling warfare and family annoyance technologies. It allows members of a family to send each other messages at all times of the day. About to watch your favorite Amazon show?, "Hey Brat!" Maybe you were winding down for the day listening to your favorite Pandora station, "Your parents miss you."

Ah yes, gone are the days when you could screen your calls and texts claiming, "oups, sorry I missed your message. My phone must of been on silent." Yes... Such is the genius of the Family Annoyance App™.

"But surely there must be an off switch you," say... Nope. No off switch. Ha ha![21]

[21]Incase you need tips on how to get even, https://www.wikihow-fun.com/Annoy-Your-Siblings

8. How to Use Family Annoyance App™

In the event that a message has been recieved, a series of lights will flash in the Furby's face. And you will have exactly 30mins to open said message before it returns the message back to the sender to inform them that you're being rude and ignoring their message...

Ok, that's not what realy happens.

In the event that a message has been recieved, a series of lights will flash in the Furby's face, that part is true. To have it read those messages, say **"read messgaes."**

9. How to VNC into your Raspberry Furby™

Watch: https://youtu.be/DG366Hh15-k

The same channel has other great tutorials on using and setting up Raspberry Pis.

10. Other Projects you could Do with Your Raspberry Furby™

(1) Alexa Assistant:

https://www.instructables.com/id/Alexa-Assistant-With-a-10-Raspberry-Pi-Zero-W-and-/

(2) RetroPi Gaming System:

https://www.element14.com/community/docs/DOC-79282/l/raspberry-pi-zero-retro-gaming-system

(3) Pirate Radio:

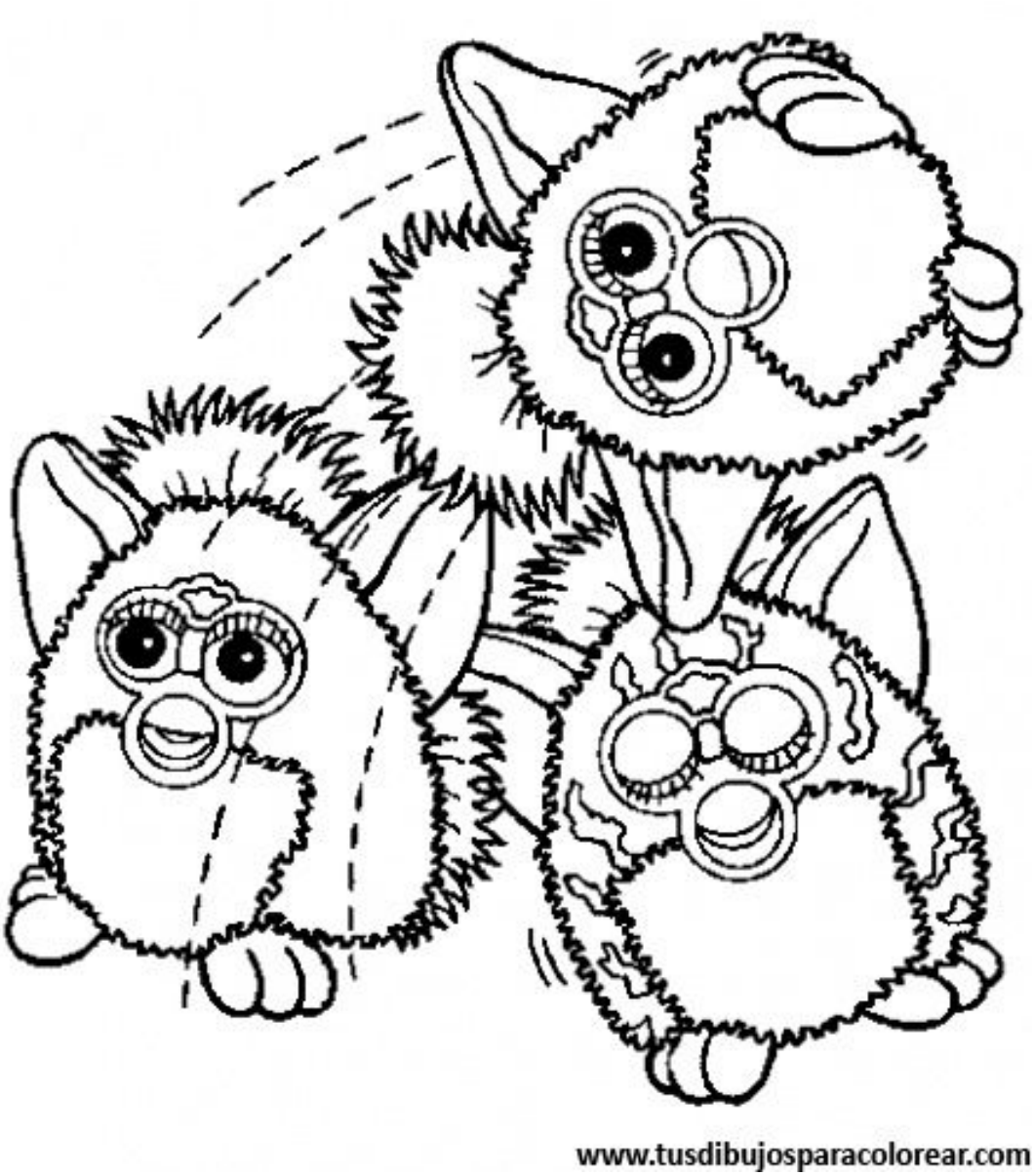
https://makezine.com/projects/pirate-radio-throwies/

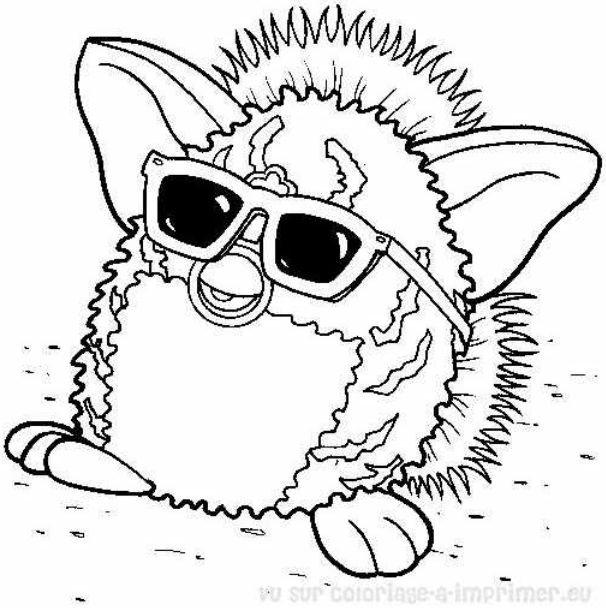
(4) And so so much more(if you want to take the Furby apart):

https://hackaday.io/projects?tag=raspberry%20pi%20zero

https://www.instructables.com/howto/raspberry+pi/

11. Coloring Book

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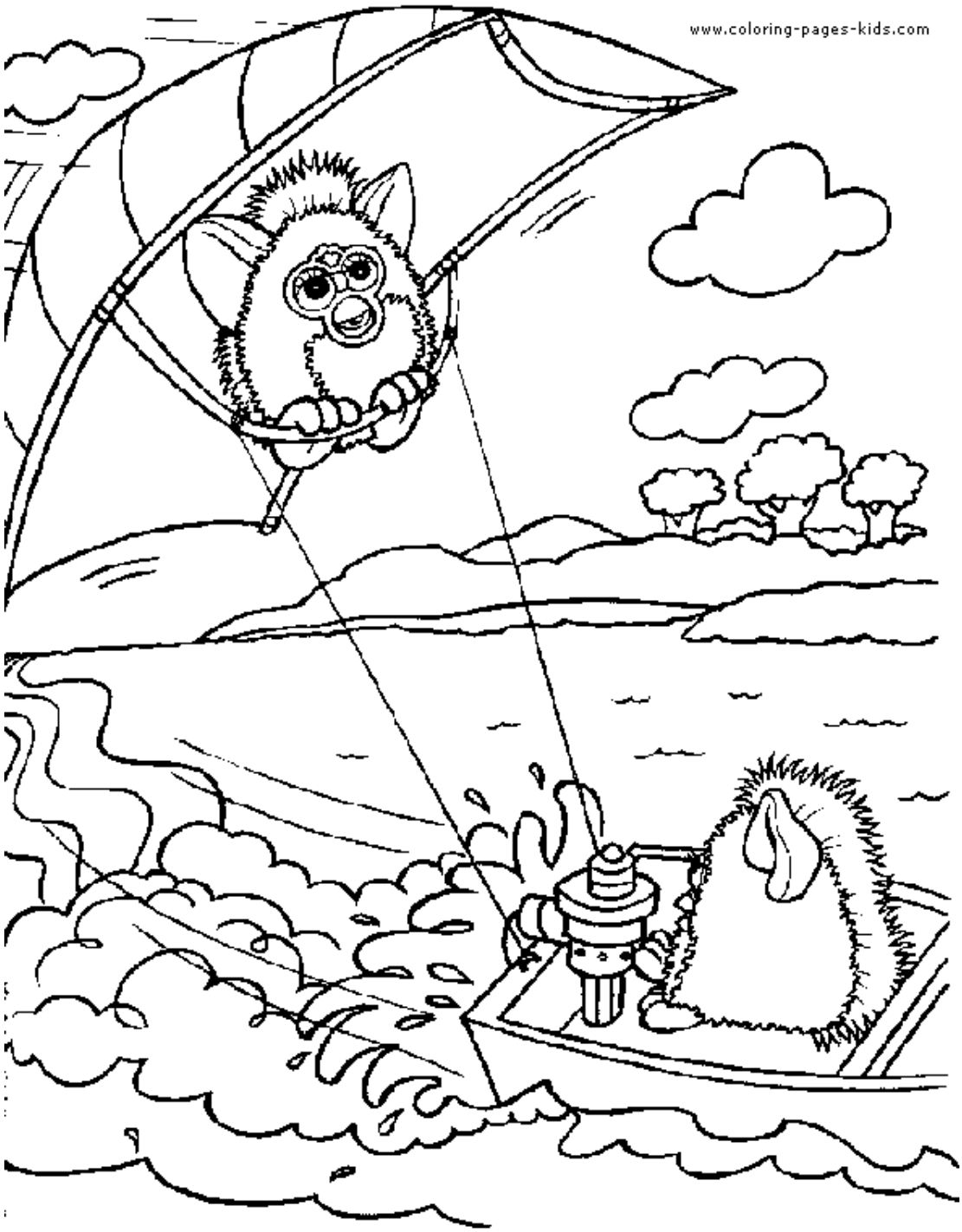
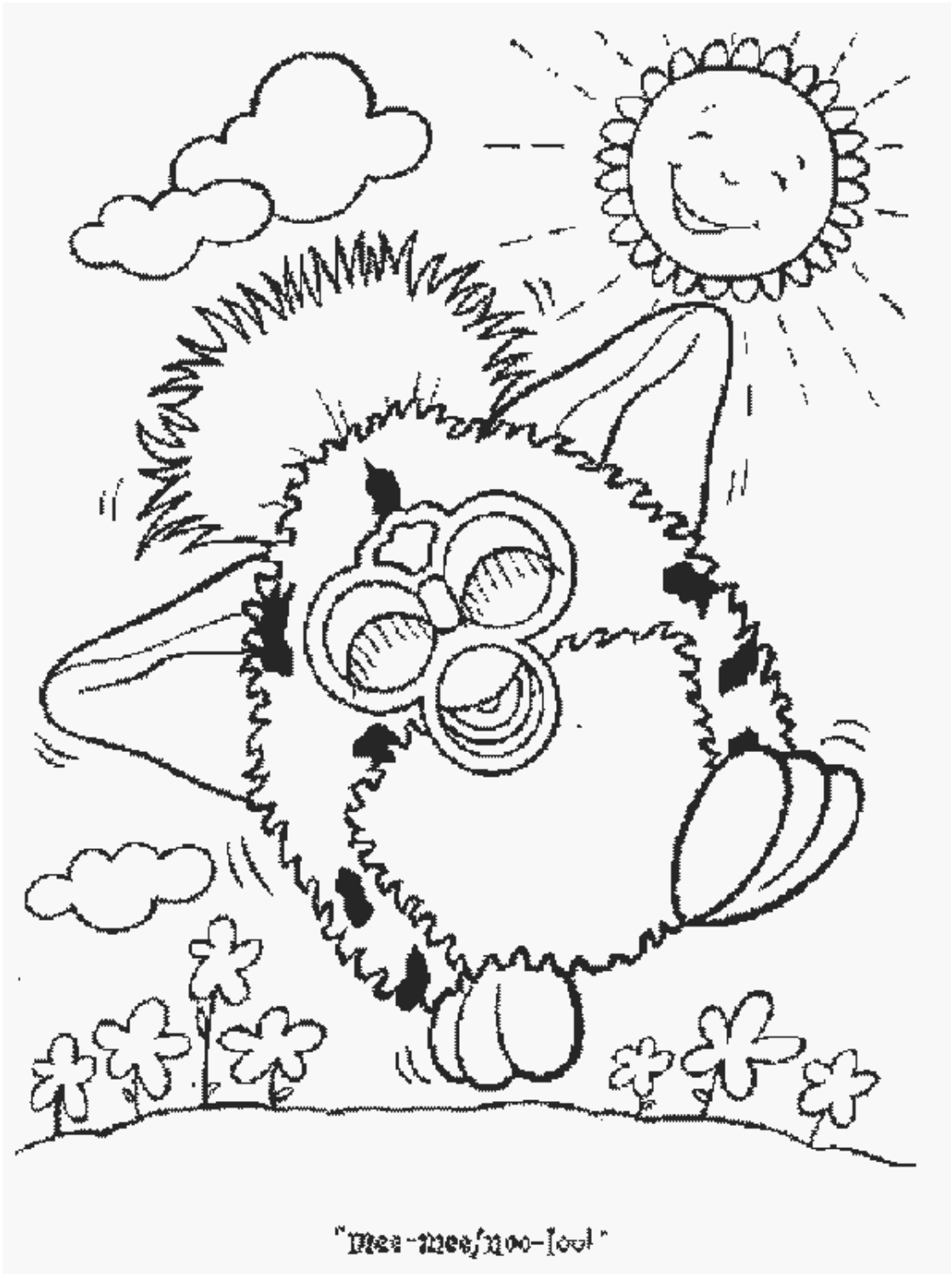
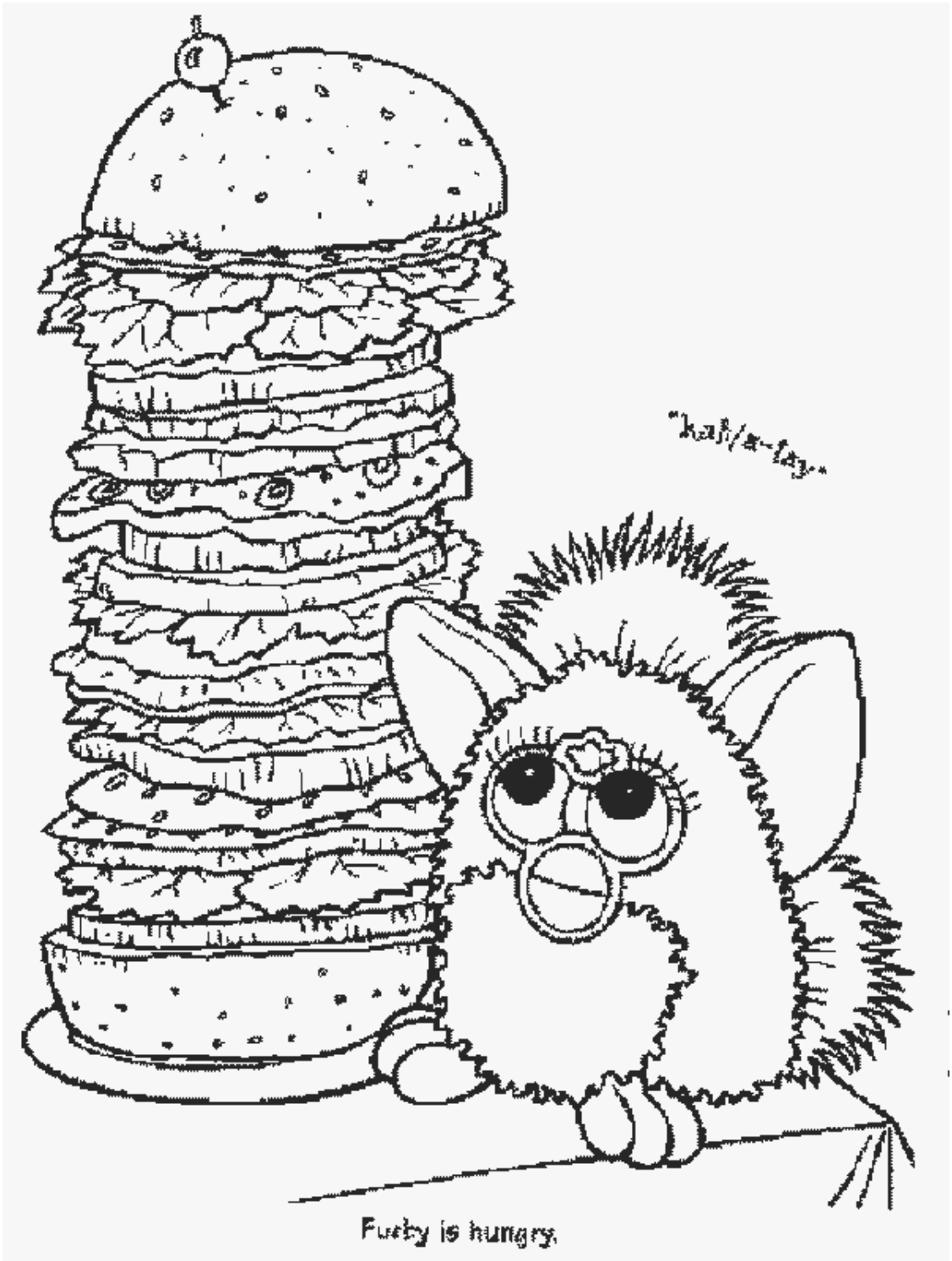
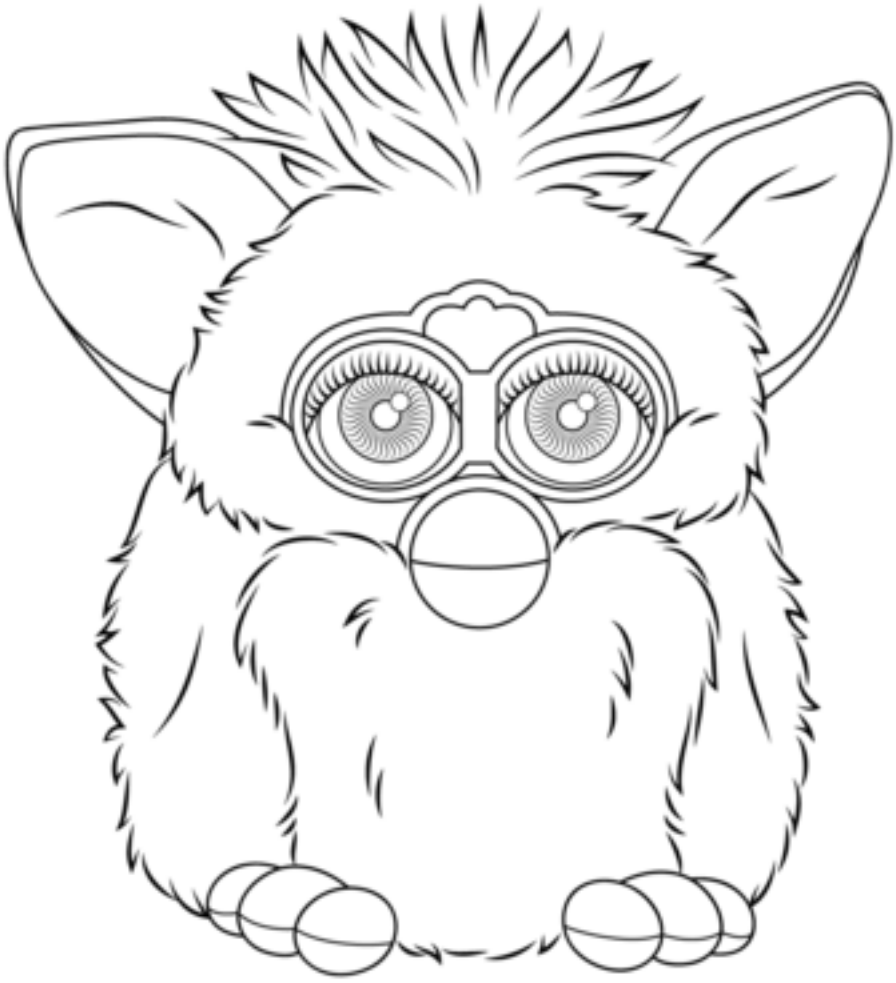
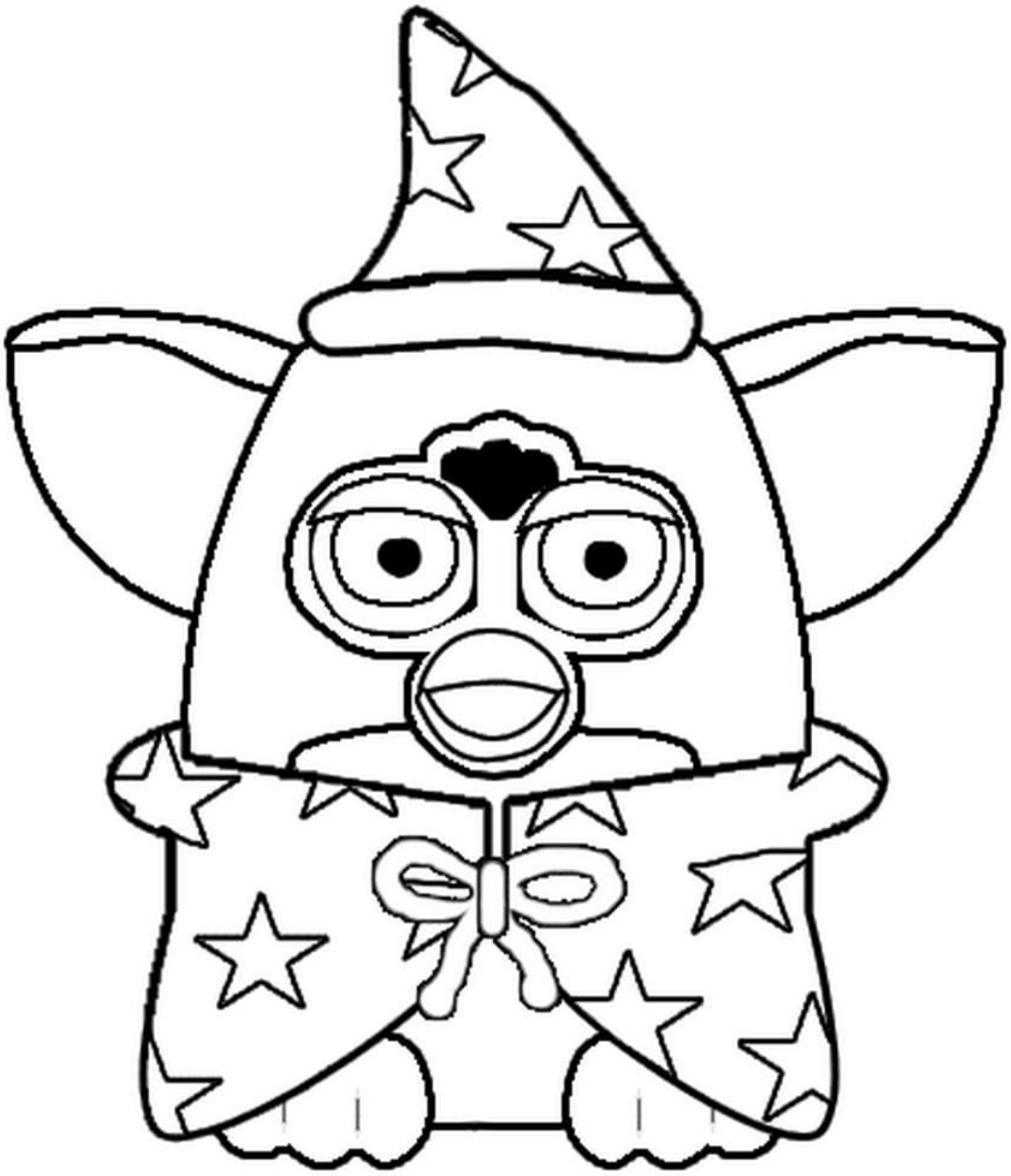

www.coloring-pages-kids.com


"Mee-mee/moo-loo!"



Furby is hungry.



COLORINGWAY.COM
FURBY
BOOM