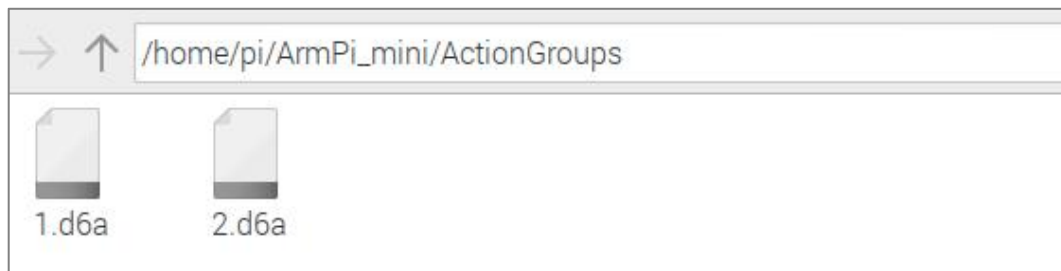


Lesson 2 Import and Call Action

ArmPi mini has built in action group files before shipping and the path of the files is “/home/pi/ArmPi_mini/ActionGroups”. The action group you edit can also be saved in this directory.

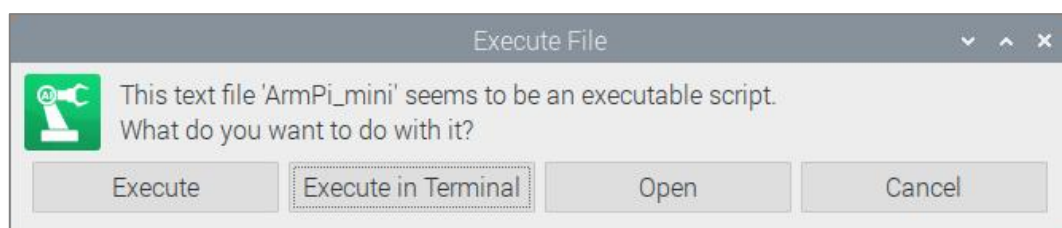


This lesson will tell you how to call action group and how to import it into the system of ArmPi mini.

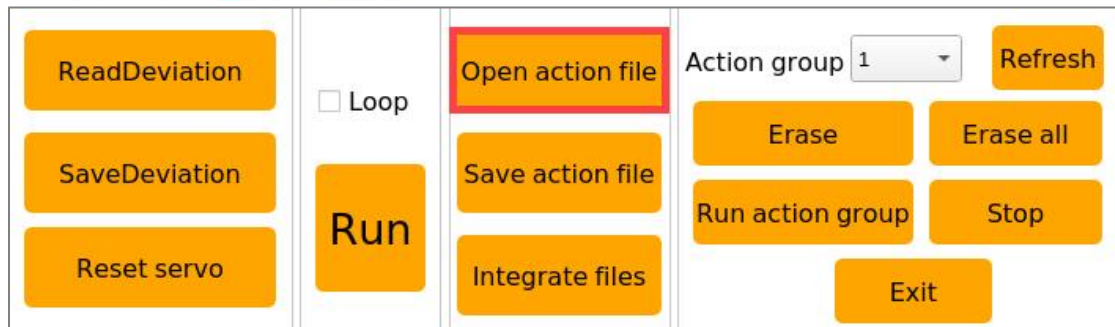
1. Call Action Group by PC Software

1) Install VNC and connect to ArmPi mini system desktop. In “4. Start ArmPi mini/ Lesson 2 Set Development Environment” to learn about the specific operation steps.

2) Double click  and click “Execute” in the pop-up window to open PC software.



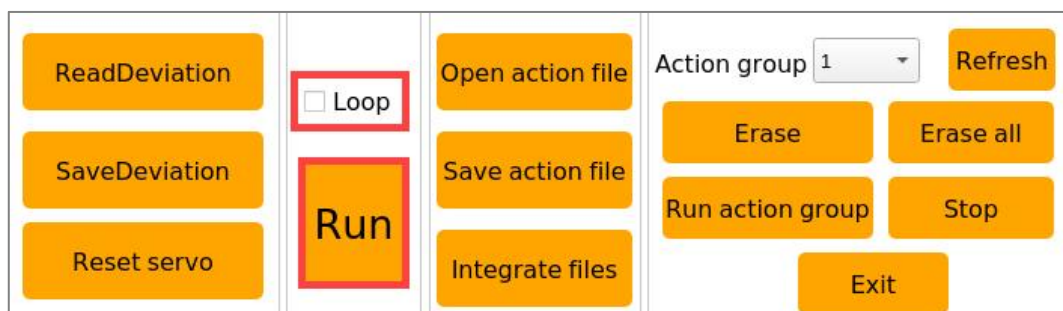
3) Click “Open action file” button to select the action group to be executed, and click “Open”.



4) The servo values will be displayed in action data list.

	Index	Time	ID:1	ID:3	ID:4	ID:5	ID:6
▶	1	1500	1500	830	2360	920	1500
	2	1000	1500	500	2360	920	1500
	3	1000	1500	1200	2360	920	1500
	4	1000	1500	500	2360	920	1500
	5	1000	1500	1200	2360	920	1500
	6	1000	1500	830	2360	920	1500

5) Click "Run" to run all the actions in action data list. You can click "Loop" to cyclically run this action group.



1. Import Action Group

Note:

1) The action group must be named in English or with numbers, and the file format is “d6a”.

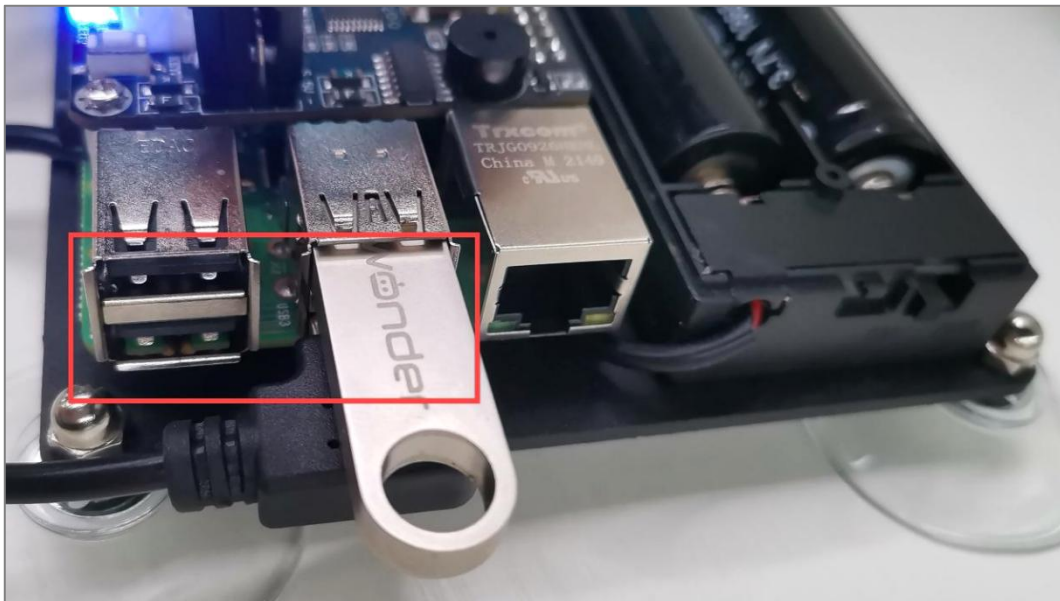
2) If want to export action group, you can a insert U disk into one of USB interfaces of Raspberry Pi and paste the action group file to the U disk.

There are two ways to import the external action group file to ArmPi mini. You can transfer action file to ArmPi mini system with a U disk, or use transfer tool to import action file to system desktop. This lesson will take “3.6a” action as example.

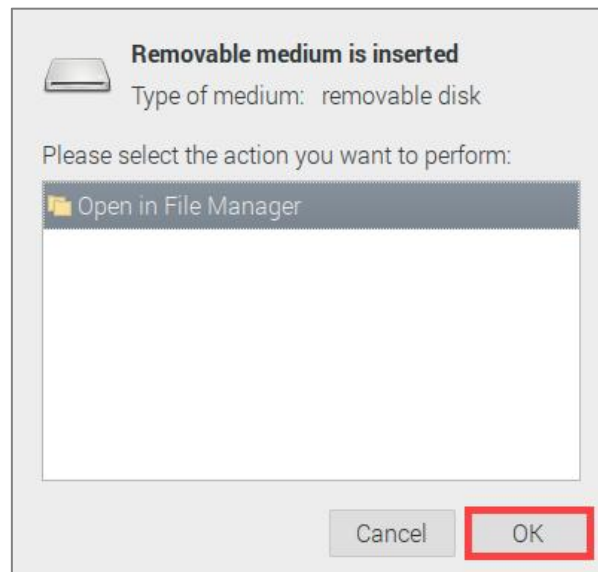
1.1 Use a U Disk

1) Connect to ArmPi mini system desktop via VNC tool.

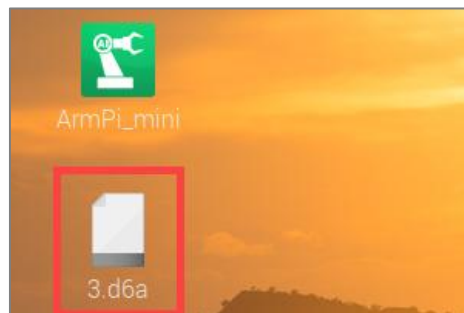
2) Insert the U disk with action group files into one of USB interfaces of Raspberry Pi.



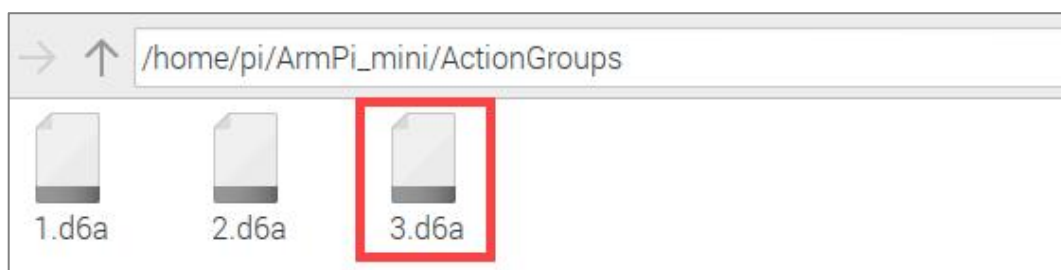
- 3) When the following pop-up window shows in VNC viewer, click “OK”.



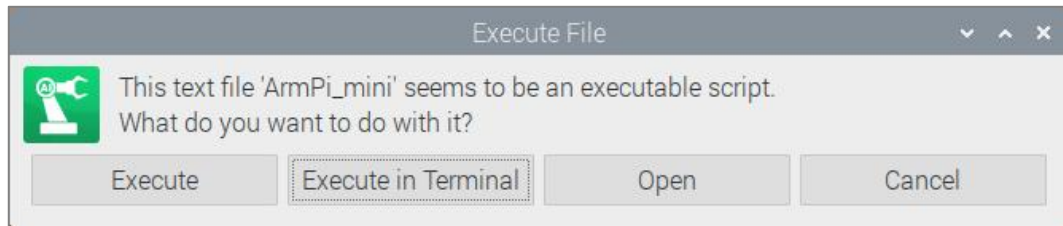
- 4) Paste the action group file to the system desktop.



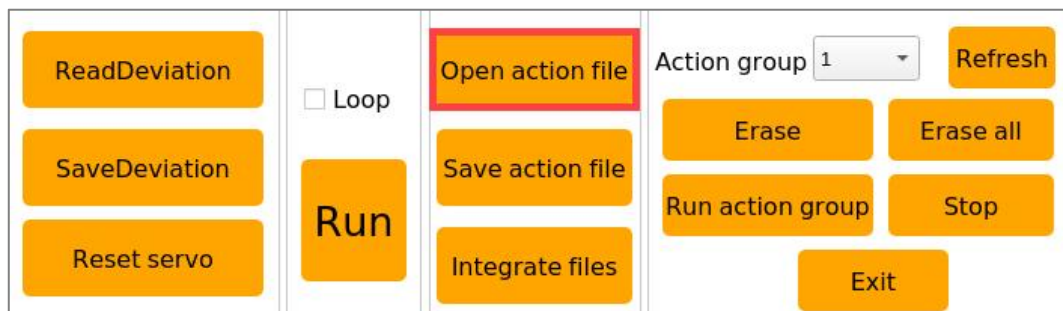
- 5) Click on  icon to open file manger.
- 6) Enter the directory “/home/pi/ArmPi_mini/ActionGroups”, and import the action file to this directory.



- 7) Double click  icon and click “Execute” to open PC software.



- 8) Click “Open action group” button to select the imported action group file, and click “Open”.



- 9) You can view the servo values and running time of the imported action group in servo data list.

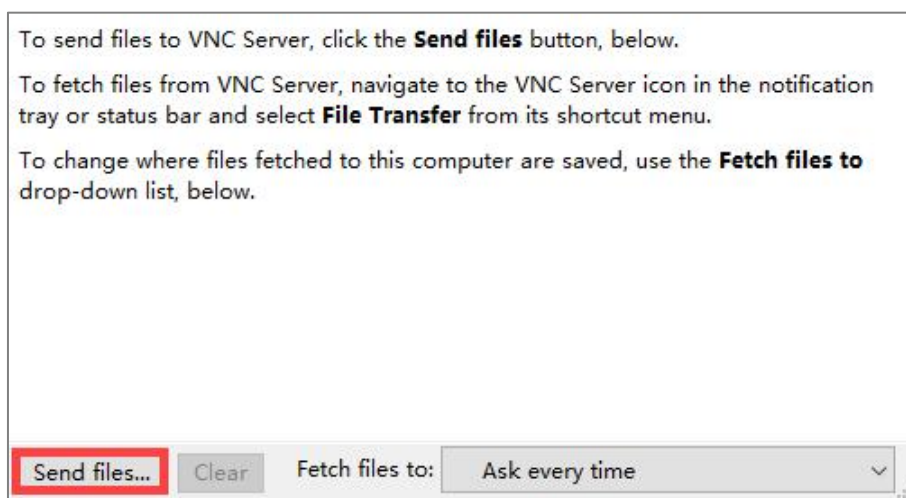
	Index	Time	ID:1	ID:3	ID:4	ID:5	ID:6
	1	1000	1500	500	2360	920	1500
	2	800	1500	500	2120	2150	1500
	3	200	1500	500	2120	2150	1500
	4	300	1900	500	2120	2150	1500
	5	200	1470	500	2120	2150	1500
	6	1000	1500	500	2360	920	1500
	7	100	1500	500	2360	920	1500
	8	800	1500	500	2360	920	2480

1.2 Use the Transfer Tool

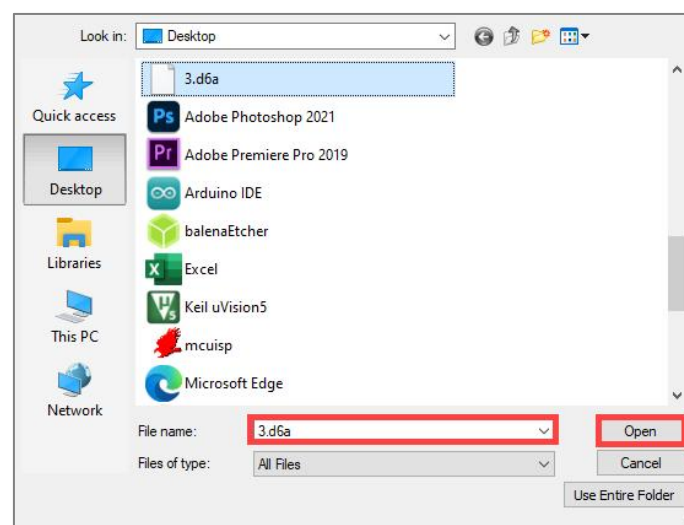
- 1) Connect to ArmPi mini system desktop via VNC viewer.
- 2) When moving your mouse cursor to the top of system desktop, a menu bar will show up. Then click the transfer tool icon.



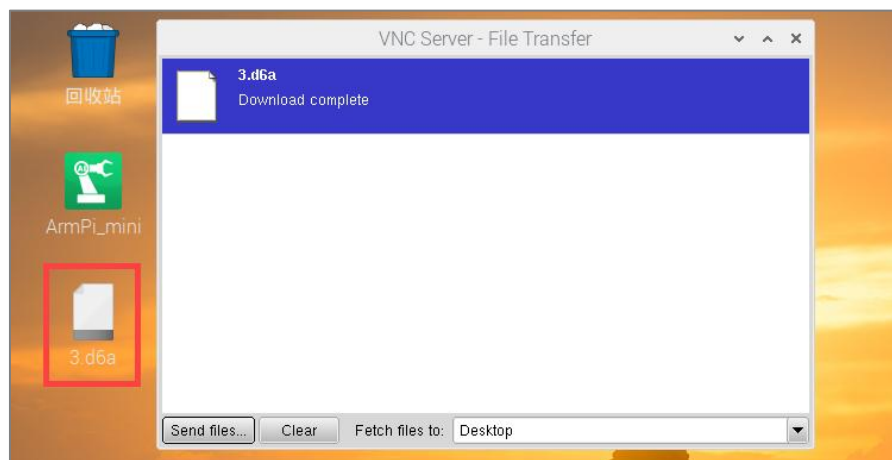
- 3) Click "Send files".



- 4) After selecting the action group file to be imported, click "Open".

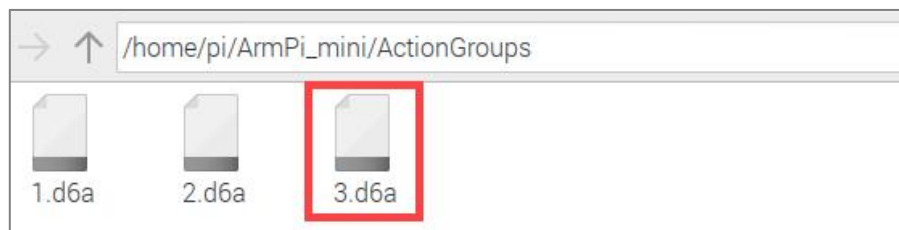


5) At this time, the imported action group file will be transferred to system desktop, as the figure shown below.



6) Click on  icon to open the file manager.

7) Enter the directory `/home/pi/ArmPi_mini/ActionGroups` and import the action group file to this directory.



8) If want to export this action group file to your computer desktop. In the following window, select the file and click "Send files".

