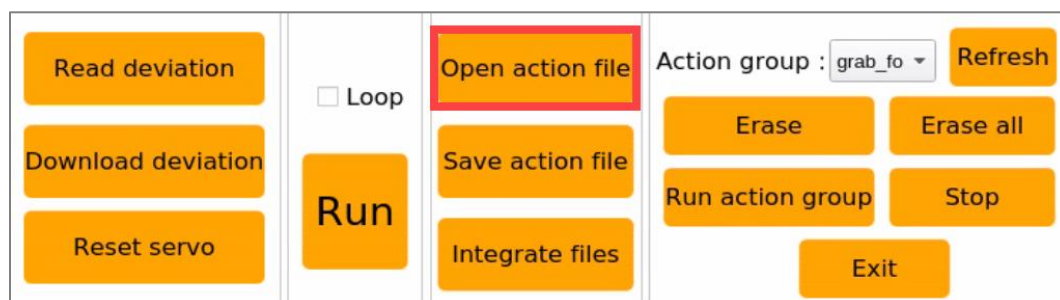# Lesson 4 Integrate Action File

1. Purpose

This lesson will teach you how to integrate two action groups into a new action group.
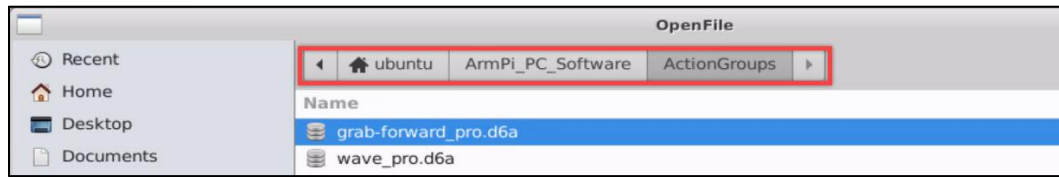
2. Operation Steps

1) Please refer to the content in "6. Raspberry Pi and Expansion Board/1.Raspberry Pi Lesson/3.Remote Desktop Connection" to remotely connect system and then start ArmPi Pro PC software.
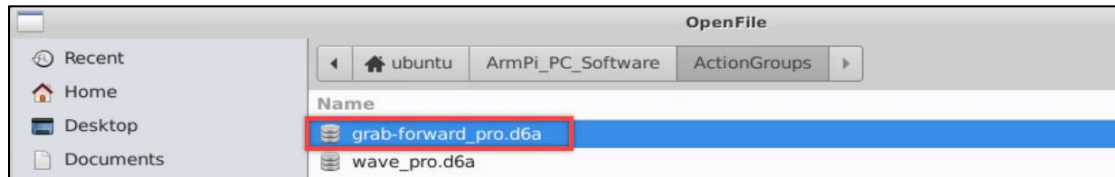

2) Click "Integrate Action File" in action setting area and select the following path:
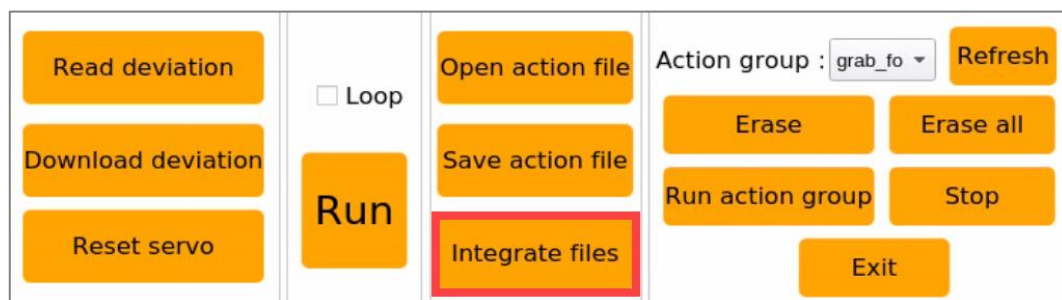
3) In the opened interface, select "rab-forward_pro.d6a" and double-click to open it.

4) At this time, we can see that the action group parameters are shown in action data list. (The image is just a part of screenshot)

Index	Time	ID:1	ID:2	ID:3	ID:4	ID:5	ID:6
1	800	500	500	300	900	700	500
2	600	500	500	150	800	450	500
3	100	500	500	150	800	450	500
4	200	200	500	150	800	450	500
5	800	200	500	200	800	290	500
6	400	600	500	200	800	290	500
7	800	600	500	155	770	520	500
8	200	600	500	155	770	520	500
9	400	600	500	300	770	450	500

5) Then click "Integrate action file" again and double click to open "wave_pro.d6a". We can find that action group file has been integrated.

Index	Time	ID:1	ID:2	ID:3	ID:4	ID:5	ID:6
10	100	600	500	300	770	450	500
11	500	600	500	300	770	300	500
12	100	600	500	300	770	300	500
13	200	200	500	300	770	300	500
14	1200	500	500	300	900	700	500
15	500	300	500	300	900	700	500
16	500	300	500	300	900	700	400
17	200	300	500	300	900	700	400
18	200	300	200	300	900	700	400

6) Select No.1 action and click "Run" to run the integrated action group once.

Index	Time	ID:1	ID:2	ID:3	ID:4	ID:5	ID:6
1	800	500	500	300	900	700	500
2	600	500	500	150	800	450	500
3	100	500	500	150	800	450	500
4	200	200	500	150	800	450	500
5	800	200	500	200	800	290	500
6	400	600	500	200	800	290	500
7	800	600	500	155	770	520	500
8	200	600	500	155	770	520	500
9	400	600	500	300	770	450	500

Running time 1000 ms | Manual coding Add action Update action Move up

Total time 9.7 s | Read angle Delete action / Delete all Insert action Move down

Read deviation | ☐ Loop | Open action file | Action group : grab_fo ▾ Refresh

Download deviation | **Run** | Save action file | Erase Erase all

Reset servo | | Integrate files | Run action group Stop Exit

7) Click "Save action file" to save this new action group.

Read deviation | ☐ Loop | Open action file | Action group : grab_fo ▾ Refresh

Download deviation | Run | Save action file | Erase Erase all

Reset servo | | Integrate files | Run action group Stop Exit

8) Name the action group. (wave_and_grab_forwad is a example name)

Note: The name must be English and not space is included. It is recommended to replace space with underline.