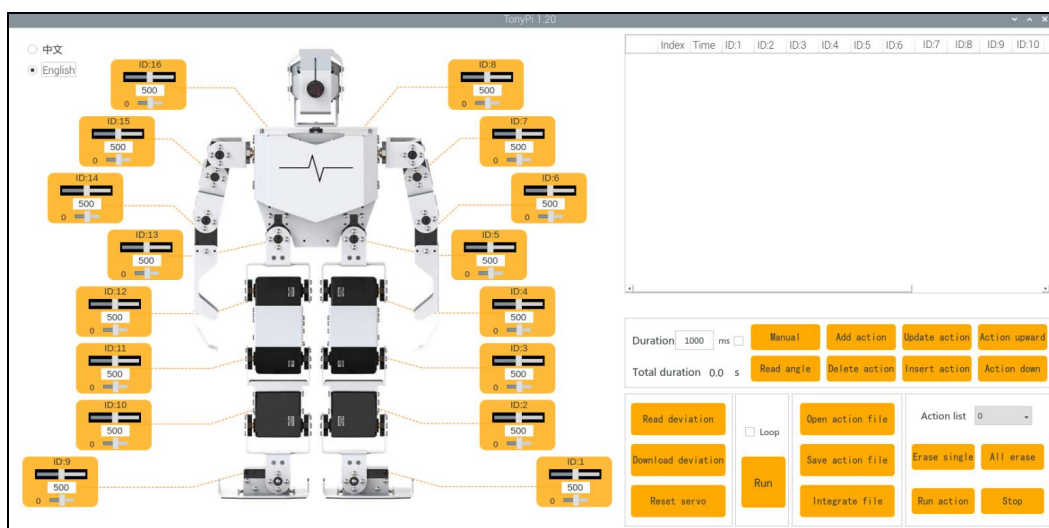# Lesson 3 Integrate Action Groups
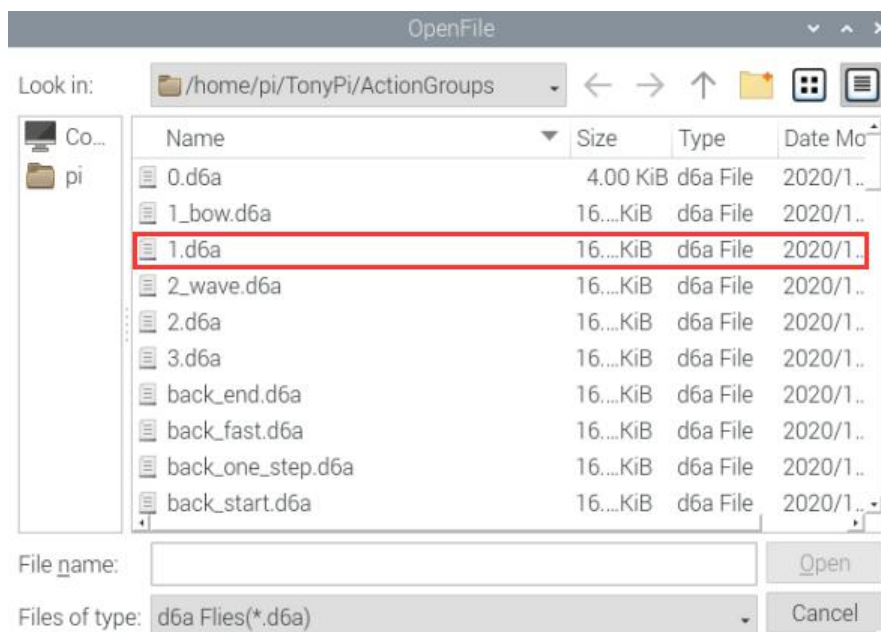
1. Project Outcome

Integrate the provided basic actions to become a new action group. This section takes the integrate No.1 action and No.2 action as an example.

2. Complete Program

Step1: Connect VNC and open TonyPi PC software.

Step 2: Click "Integrate file", choose and double click "1.d6a" to open.

Step 3: Then the action list will display the data of No.1 action group.

Index	Time	ID:1	ID:2	ID:3	ID:4	ID:5	ID:6	ID:7	ID:8	ID:9	ID:10	
1	500	500	400	500	600	500	570	800	720	500	600	5
2	500	500	500	300	500	500	500	820	730	500	500	7
3	500	500	500	300	500	500	500	800	330	500	500	7
4	500	500	500	300	500	500	820	790	330	500	500	7
5	700	500	500	430	760	500	820	790	330	500	500	5
6	700	500	500	430	760	500	820	790	330	500	500	5
7	600	500	500	300	500	500	760	800	330	500	500	7
▶ 8	500	500	400	500	600	500	570	800	720	500	600	5

Step 4: Click "Integrate file" again, choose "2.d6a" and double click to select it.

Index	Time	ID:1	ID:2	ID:3	ID:4	ID:5	ID:6	ID:7	ID:8	ID:9	ID:10
1	500	500	400	500	600	500	570	800	720	500	600
2	500	500	500	300	500	500	500	820	730	500	500
3	500	500	500	300	500	500	500	800	330	500	500
4	500	500	500	300	500	500	820	790	330	500	500
5	700	500	500	430	760	500	820	790	330	500	500
6	700	500	500	430	760	500	820	790	330	500	500
7	600	500	500	300	500	500	760	800	330	500	500
8	500	500	400	500	600	500	570	800	720	500	600
▶ 9	500	500	390	500	590	500	580	800	730	500	610
10	500	500	390	500	590	500	580	800	730	500	610
11	200	500	390	500	590	500	580	800	730	500	610
12	200	500	390	500	590	500	580	800	730	500	610
13	200	500	390	500	590	500	580	800	730	500	610
14	200	500	390	500	590	500	580	800	730	500	610
15	200	500	390	500	590	500	580	800	730	500	610
16	200	500	390	500	590	500	580	800	730	500	610
17	200	500	390	500	590	500	580	800	730	500	610

Step 5: Click "Run" to execute the new integrated actions online.

Read deviation

Download deviation

Reset servo

☐ Loop

Run

Open action file

Save action file

Integrate file

Action list   0

Erase single   All erase

Run action   Stop

Step 6: Click "Save action file" button and enter new action group name (such as "3") to save the new integrated action group for the future debugging

Index	Time	ID:1	ID:2	ID:3	ID:4	ID:5	ID:6	ID:7	ID:8	ID:9	ID:10
1	500	500	400	500	600	500	570	800	720	500	600
2	500	500	500	300	500	500	500	820	730	500	500
3	500	500	500	300	500	500	500	800	330	500	500
										500	500
										500	500
										500	500
										500	500
										500	600
										500	610
										500	610
										500	610
										500	610
										500	610
										500	610
										500	610
										500	610
										500	610

Savefile

Look in: /home/pi/TonyPi/ActionGroups

Co...
pi

Name	Size	Type	Date Mo
0.d6a	4.00 KiB	d6a File	2021/1...
1_bow.d6a	16....KiB	d6a File	2021/1...
1.d6a	16....KiB	d6a File	2021/1...
2_wave.d6a	16....KiB	d6a File	2021/1...
2.d6a	16....KiB	d6a File	2021/1...
back_end.d6a	16....KiB	d6a File	2021/1...
back_fast.d6a	16....KiB	d6a File	2021/1...
back_one_step.d6a	16....KiB	d6a File	2021/1...
back_start.d6a	16....KiB	d6a File	2021/1...
back.d6a	16....KiB	d6a File	2021/1...

File name: 3

Files of type: d6a Flies(*.d6a)

Save   Cancel

Action upward

Action down

Read deviation

Download deviation

Reset servo

☐ Loop

Run

Open action file

Save action file

Integrate file

Action list 0

Erase single   All erase

Run action   Stop

ID:1
600