

Movement name	Steps	Motor A	Motor B	Motor C	Motor D	loop	Notes
Motor position		left ankle	right ankle	left hip	right hip		
Output number		output1	output2	output3	output4		
Stand left leg	Step 1	120	170	90	90		
Stand right leg	Step 1	10	60	90	90		
Walk forward (left foot step)	Step 1	120	170	90	90		
	Step 2	120	170	120	120		
	Step 3	90	90	120	120		
Walk forward (right foot step)	step 1	10	60	90	90		
	step 2	10	60	60	60		
	step 3	90	90	60	60	loop left step - right step	
Walk back (left foot step)	Step 1	120	170	90	90		
	Step 2	120	170	60	60		
	Step 3	90	90	60	60		
Walk back (right foot step)	step 1	10	60	90	90		
	step 2	10	60	120	120		
	step 3	90	90	120	120	loop left step - right step	
Turn left forward	Step 1	90	90	90	90		
	Step 2	120	170	90	90		
	Step 3	120	90	90	90		
	Step 4	120	90	130	90		
	Step 5	90	90	130	90		
Turn left back	Step 1	90	90	90	90		
	Step 2	120	170	90	90		
	Step 3	120	90	90	90		
	Step 4	120	90	50	90		
	Step 5	90	90	50	90		
Turn right forward	Step 1	90	90	90	90		

	Step 2	10	60	90	90		
	Step 3	90	60	90	90		
	Step 4	90	60	90	50		
	Step 5	90	90	90	50		
Turn right back	Step 1	90	90	90	90		
	Step 2	10	60	90	90		
	Step 3	90	60	90	90		
	Step 4	90	60	90	130		
	Step 5	90	90	90	130		
Hip roll forward	Step 1	90	90	110	70		
	Step 2	90	90	90	90	loop 1 and 2	
Hip roll forward	Step 1	90	90	70	110		Each leg can be changed individually while leaving the other at 90
	Step 2	90	90	90	90	loop 1 and 2	
Foot tap left	Step 1	110	90	90	90		
	Step 2	90	90	90	90	loop 1 and 2	
Foot tap right	Step 1	90	70	90	90		
	Step 2	90	90	90	90	loop 1 and 2	
Foot wave right	Step 1	120	170	90	90		
	Step 2	120	70	90	90		
	Step 3	120	120	90	90	loop 2 and 3	
Foot wave left	Step 1	10	60	90	90		
	Step 2	120	60	90	90		
	Step 3	70	60	90	90	loop 2 and 3	
heal stand	Step 1	160	20	90	90		
toe stand	Step 1	20	160	90	90		
initial stand	Step 1	90	90	90	90		
Note: input a wait of 1000 after each step							