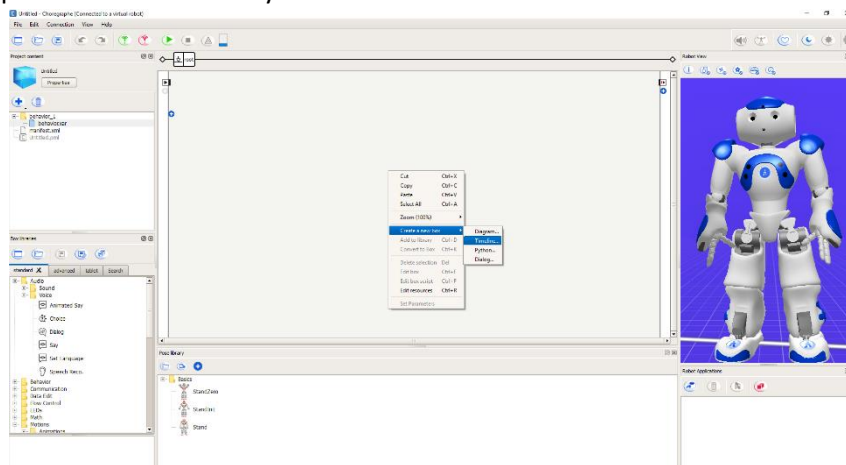
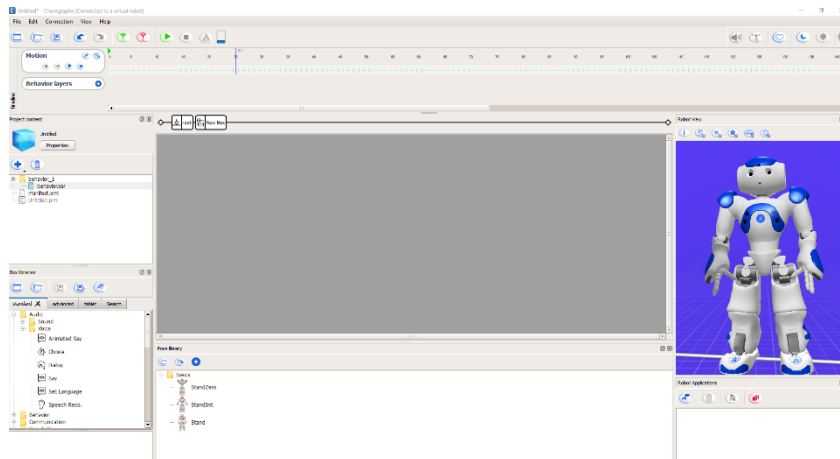


How to create key frame motions in Choregraphe

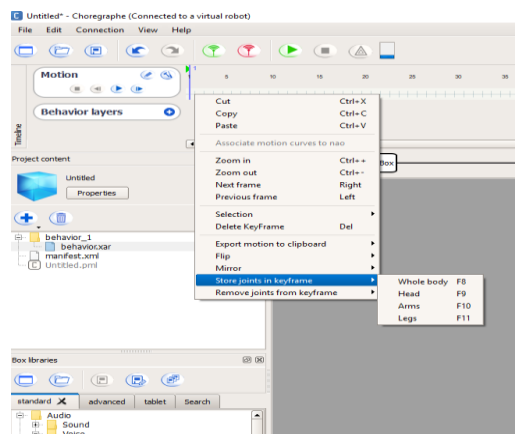
- To add a new box, right click on the screen and select “Create a new box”, then select Box Type “Timeline”. Name your new box and click “OK”.



- Double click on the box you have created. This will open the timeline.

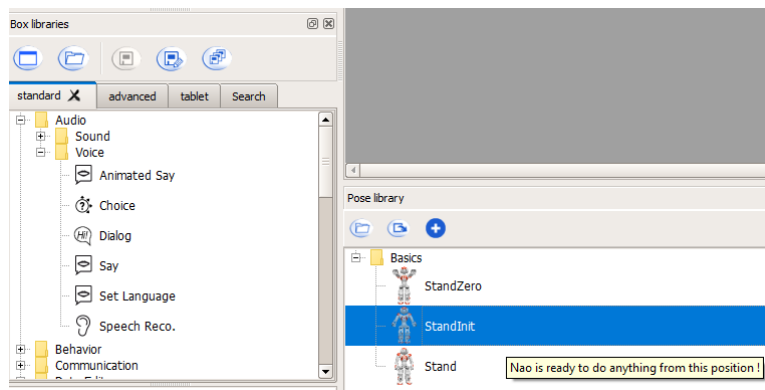


- The key frame editor will be at the top of the timeline. You can use this to modify each individual key frame.
- Right click on the key frame to set the specific joints to the key frame e.g. whole body, head, arms, legs etc.

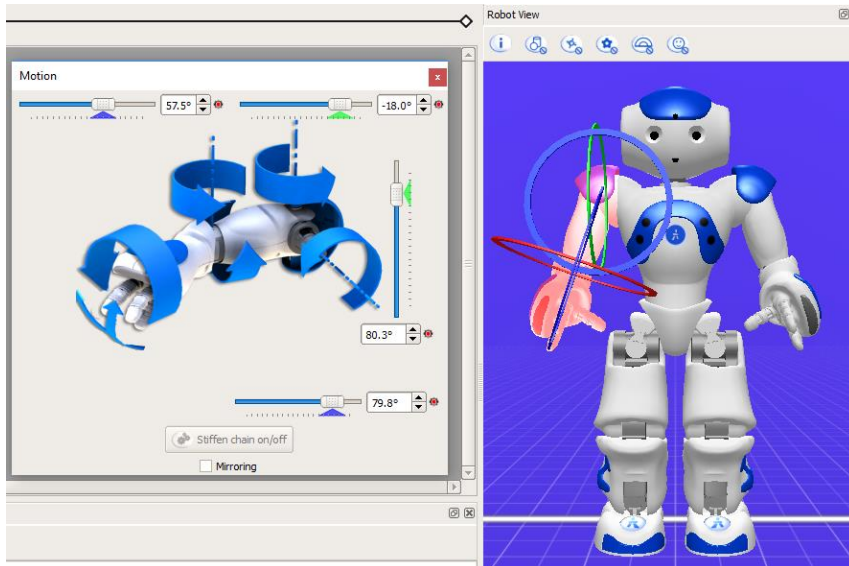


- Each number represents a duration of 10 milliseconds. The frame rate can be adjusted.

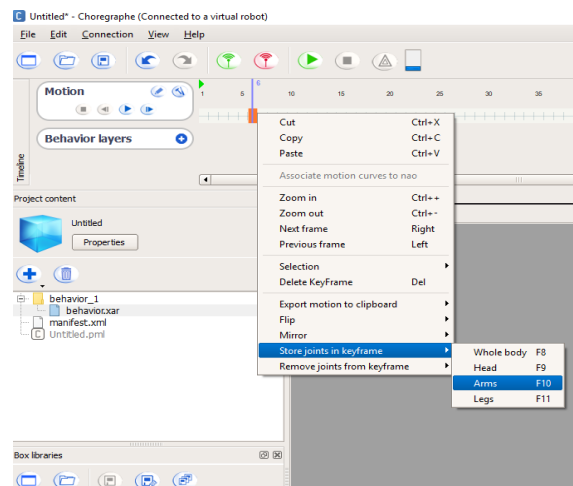
- Click on “StandInit” to return your robot to the standing pose.



- Click on a limb of your robot, e.g. right arm.
- Click on “Stiffen Chain On/Off”. ** This is only required when connected to a physical NAO robot. If you are connected to a virtual robot, you will not need to.



- Move the arm to the desired position.
- Right click on the key frame and select “Store joints in key frame”, then select “arms”.



- Repeat this for each movement you wish to record.
- You can copy frames to easily repeat a movement. Right click on the frame, then copy and paste to the next desired frame.

Tutorials on using the Choregraphe software and programming your NAO robot are available on the Aldebaran website. <http://doc.aldebaran.com/2-1/software/choregraphe/index.html>

There are also many tutorials available on YouTube.