



## Activity 3

### Linking up live to ED-E



**In this activity we are going to see how ED-E responds in real time. Connect ED-E to the computer using the cable provided. Then click on the 'Connect to Robot' button to establish a link.**

Note: for more detailed setup instructions please refer to the RM<sup>®</sup> MechRC<sup>™</sup> user guide.

Your task is to get ED-E to balance on one leg. This can be done in several ways. Explore the different ways to make this happen. List them for later use.

What do you think will happen to ED-E when it is programmed as shown in the screen below.

Try the program. Set the right hip side motor to 70° and see what happens.



How can this motion be improved? Are other frames needed to get ED-E into this position?



#### What about the transition time?

Did ED-E move into position too quickly? What happened?

Reduce the momentum by changing the transition time between slides.

Increase the value to slow down the transition.

#### Points to consider and questions to answer

What happens to the standing foot and leg?

What would happen if the left arm remained beside the robot body?

Save the sequence as a motion file.