

Robotics Music Maker

This is a copy of the NXT Music Maker programming slides.

Preuss

10/24/2013



Start New Experiment



Simple
Text

Go >>

Open Recent Experiment





Go >>


Experiment Configuration





 Name Simple Text




 Duration:

 Rate:







File Edit **Tools** Help



Create Data Logging Program...

Remove Values from Dataset...

Take Screenshot...



42



cm

255

240

220

200

180




Start Datalog



Name: Simple Text 42

Duration: 8 Seconds





Rate: 2 Samples per Second

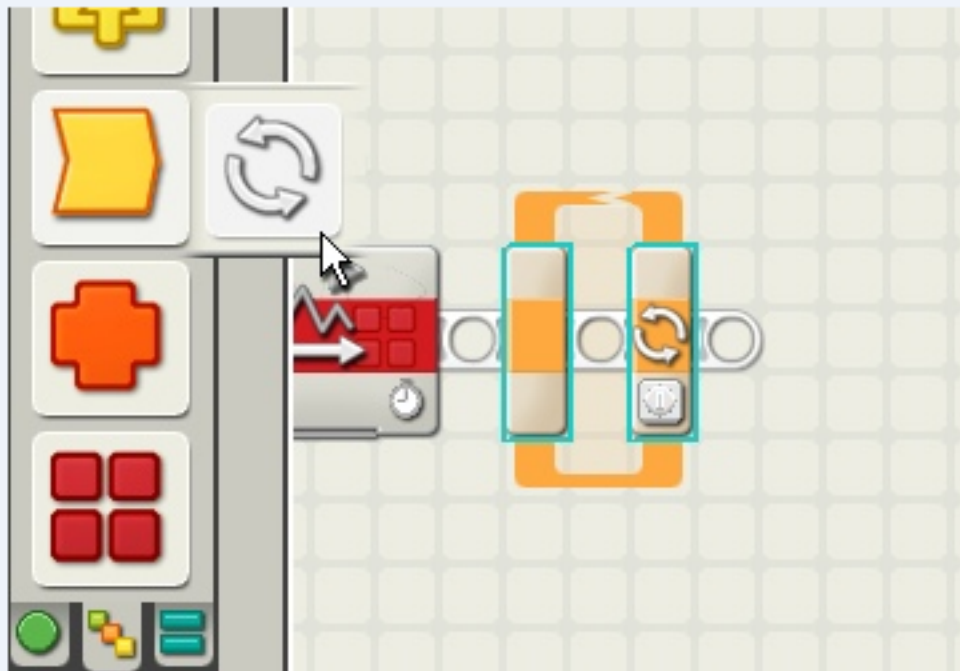
Wait:  Wait for Completion

 None  Port: 1 

 None  Port: 2 

 None  Port: 3 

 Ultrasonic Sensor  Port: 4   



Loop



Control:

Time



Until:

Seconds:

8



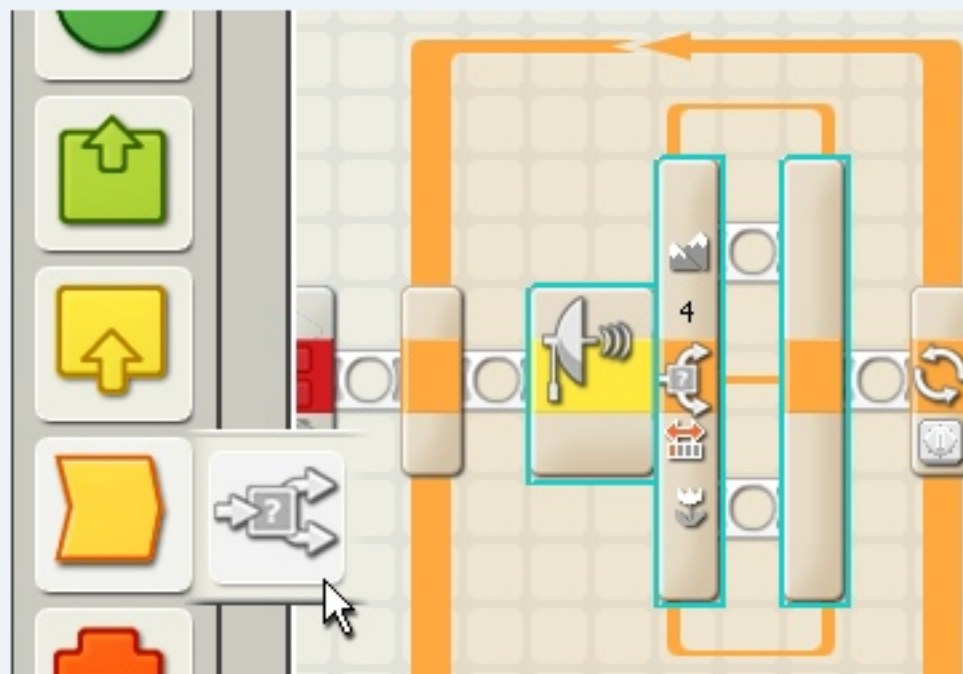
Show:



Counter



8



Switch



Control:

Sensor



Sensor:



Ultrasonic Sensor



Display:



Flat view

0



Port:

1

2

3

4



Compare:



Distance:

>

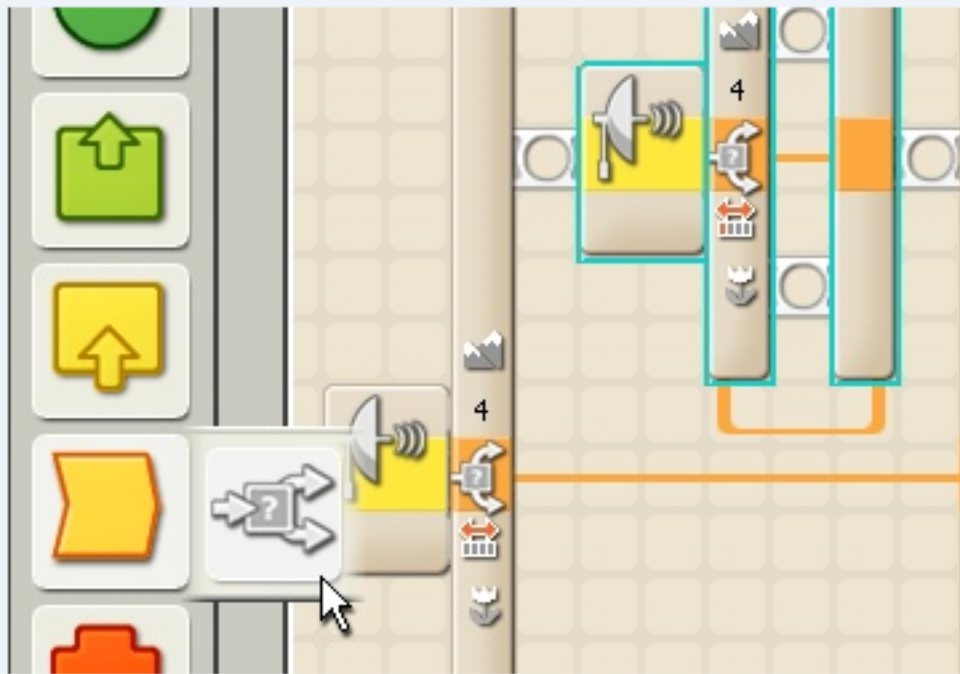
40



Show:

cm

Centimeters



Switch



Control:

Sensor



Sensor:



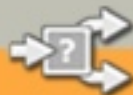
Ultrasonic Sensor



Display:



Flat view



0

or



Port:

1

2

3

4

Ultrasonic Sensor



Compare:



Distance:

>

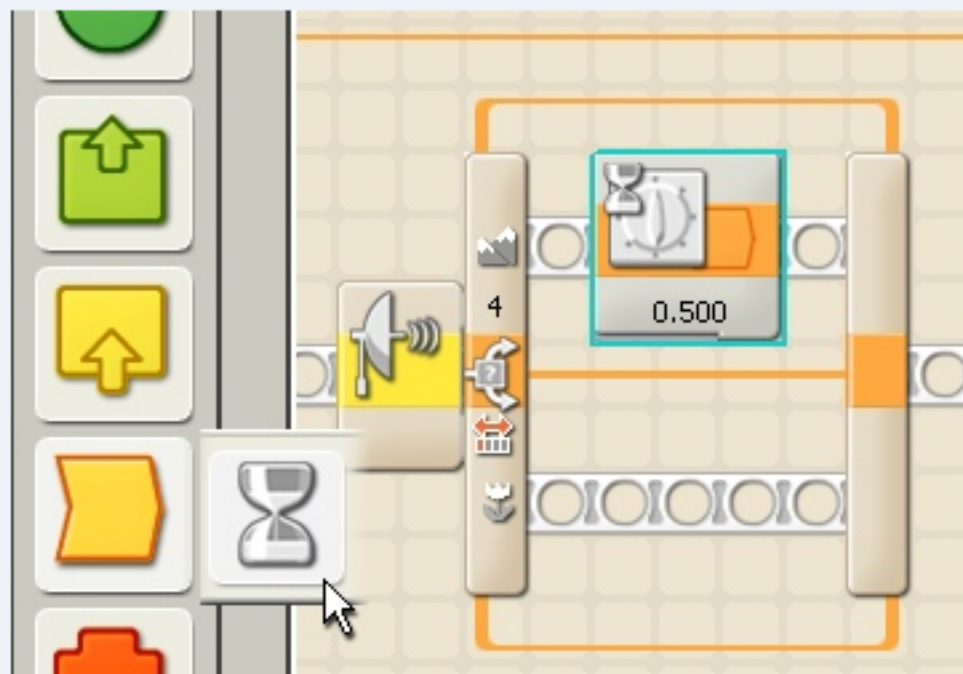
60



Show:

cm

Centimeters



Wait



Control:

Time

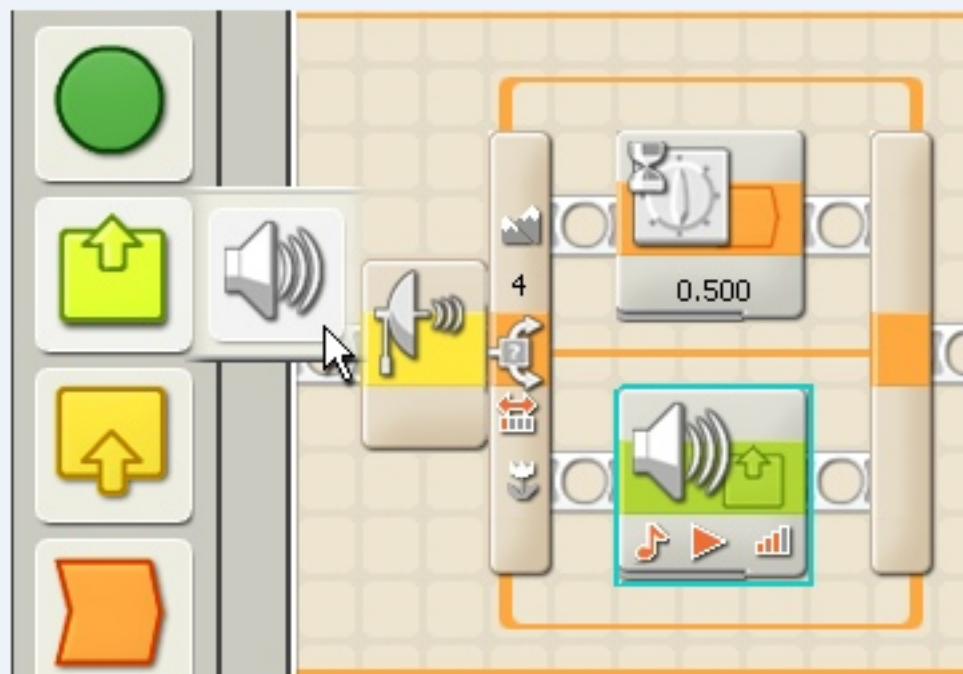


Until:

Seconds:

0.5

0,5



Sound



Action: Sound File Tone

Control: Play Stop

Volume: 75

Function: Repeat

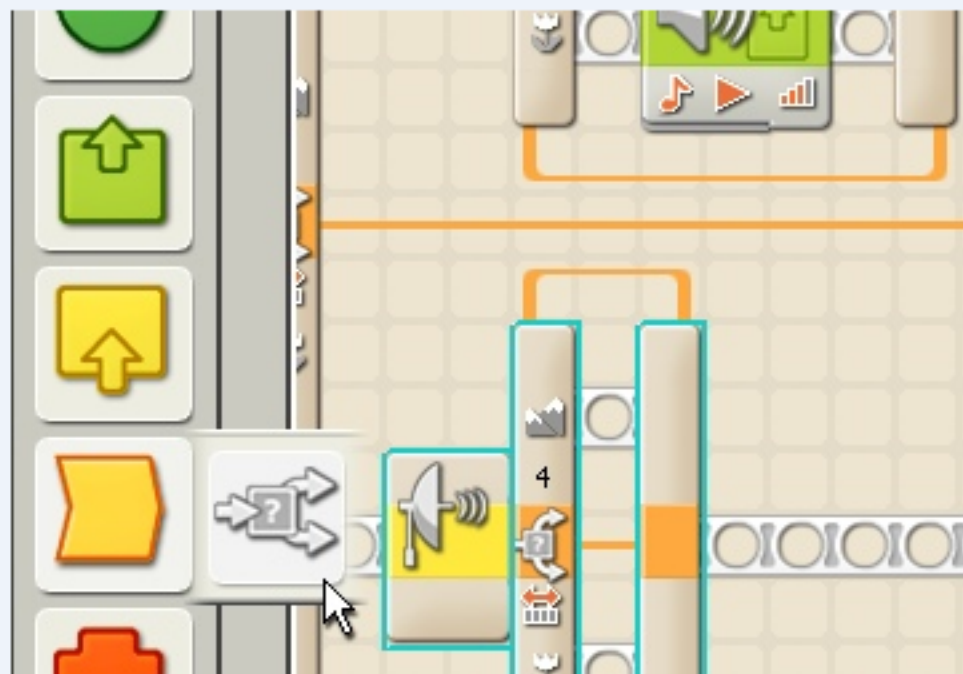
Tone

Note: for: seconds

Stop



Wait: Wait for Completion



Switch



Control:

Sensor



Sensor:



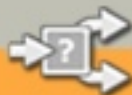
Ultrasonic Sensor



Display:



Flat view



0

or



Port:

1

2

3

4

Ultrasonic Sensor



Compare:

0



Distance:

>

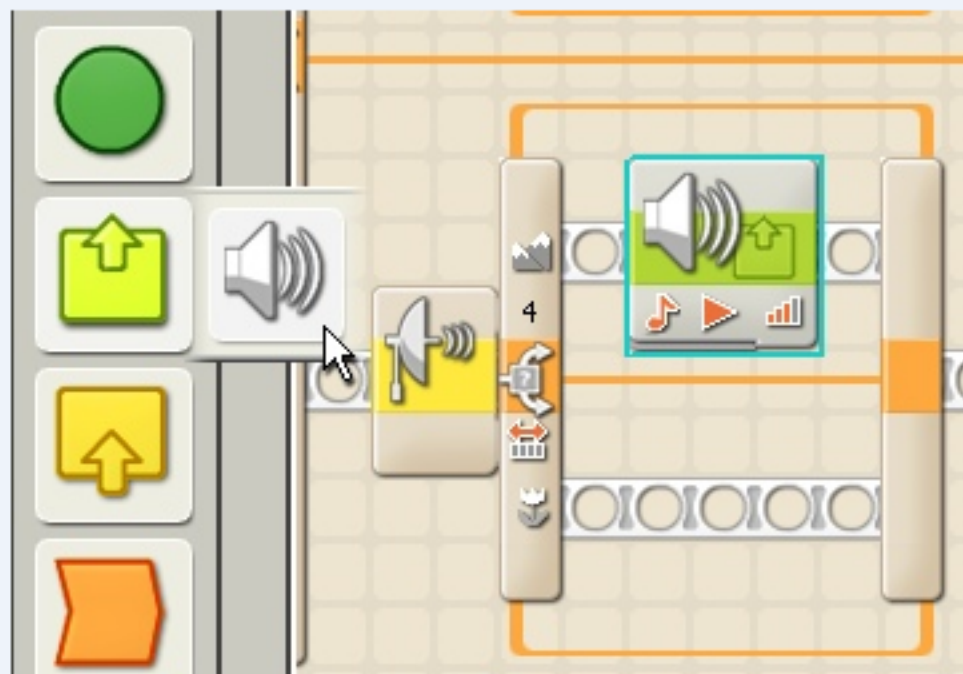
20

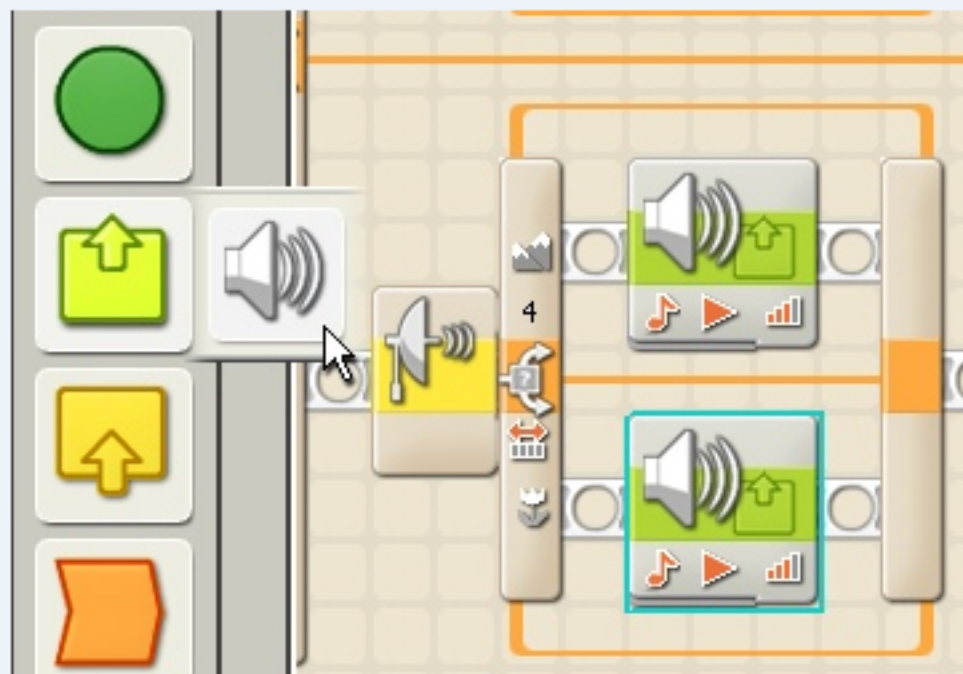


Show:

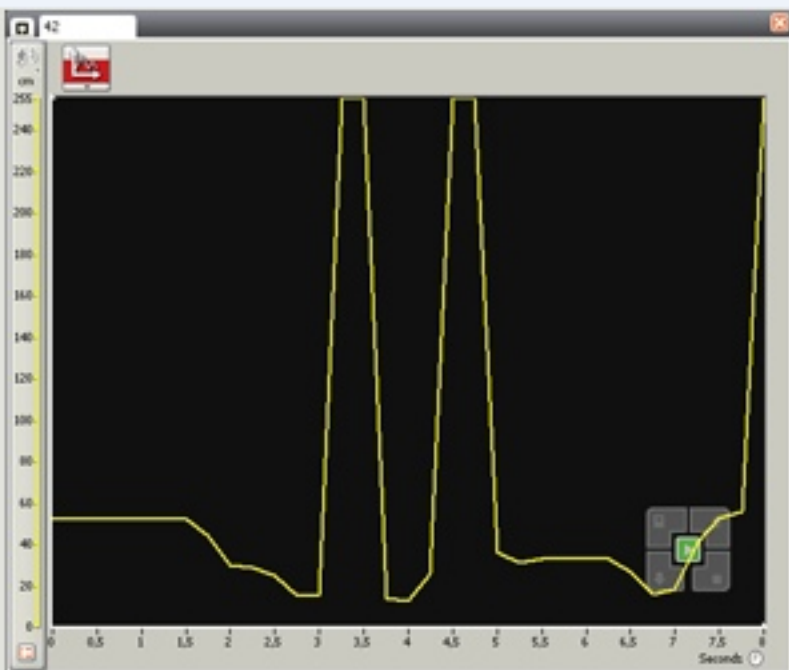
cm

Centimeters









40

20

0

0

0.5

1

1.5

2

2.5

3

3.5

4

4.5



Dataset Table



cm



Ultrasonic_p4_1



Start Time

0

08-05-2008 09:26

5



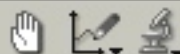
File Edit **Tools** Help



Create Data Logging Program...

Remove Values from Dataset...

Take Screenshot...



42



cm

255

240

220

200

180



Remove Values



Remove values from:

to:



