

## MicroWorlds EX Robotics LEGO Primitives

<b>Commands</b> aon	RCX Reporters switch1	Interaction with MicroWorlds Commands
bon con	switch2 switch3	sendremotecommand [list of instructions]
aoff	angle1	-
boff coff	angle2	sendrc [ <i>list of</i>
0011	angle3	instructions]
aonfor #		]
bonfor #	sensor1	sendmessage (#
confor #	sensor2	between -16383 &
and	sensor3	16383)
ard brd		sm #
crd	reflect1 reflect2	Reporters
	reflect3	Message?
asetpower <i># (1-7)</i>	Terrects	Message
bsetpower # (1-7)	temp1	5
csetpower <i># (1-7)</i>	temp2	remotemessage
	temp3	rm
athisway		
athatway	timer	remotemessage?
wait <i># (in tenths</i>		rm?
of a second)		
		Requestremotemessage
waituntil [ <i>this</i>		
list of		
instructions is		
true]		
display <i>something</i>		
note pitch duration		
resett		
clearbuffer		
sendmessage # sendm #		

For more specific advice on the use of these primitives, consult the MicroWorlds EX Robotics help from the *Help-Robotics* menu. Be sure to check out the Samples and Tutorials built into the software as well!

## Handy procedure

The following RCX procedure causes the infrared light on a light sensor to illuminate so that reflect1, reflect2 or reflect3 report a more accurate range of data.

To init1 Display reflect1 end