# **NXT Direct Commands**

#### Non-Visible component

Category	Requires	Version
LEGO® MINDSTORMS® > NXT	API 19, Android 4.4 - 4.4.4 KitKat	1

## Overview

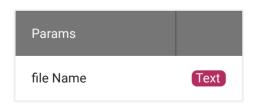
A component that provides a low-level interface to a LEGO MINDSTORMS NXT robot, with functions to send NXT Direct Commands.



# Methods

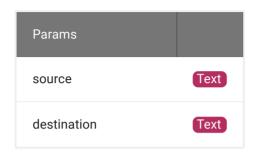
### Delete File

Delete a file on the robot.



#### Download File

Download a file to the robot.



### Get Battery Level

#### Returns: Number

Get the battery level for the robot. Returns the voltage in millivolts.

#### Get Brick Name

### Returns: Text

Get the brick name of the robot.

### Get Current Program Name

## Returns: Text

Get the name of currently running program on the robot.

#### Get Firmware Version

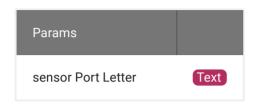
#### Returns: List

Get the firmware and protocol version numbers for the robot as a list where the first element is the firmware version number and the second element is the protocol version number.

## Get Input Values

### Returns: List

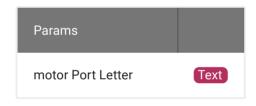
Reads the values of an input sensor on the robot. Assumes sensor type has been configured via SetInputMode.



### Get Output State

### Returns: List

Reads the output state of a motor on the robot.



## Keep Alive

### Returns: Number

Keep Alive. Returns the current sleep time limit in milliseconds.

### List Files

### Returns: List

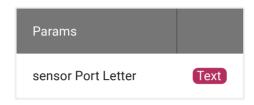
Returns a list containing the names of matching files found on the robot.



#### Ls Get Status

### Returns: Number

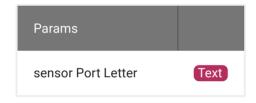
Returns the count of available bytes to read.



### Ls Read

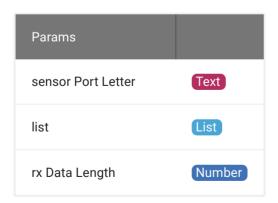
### Returns: List

Reads unsigned low speed data from an input sensor on the robot. Assumes sensor type has been configured via SetInputMode.



### Ls Write

Writes low speed data to an input sensor on the robot. Assumes sensor type has been configured via SetInputMode.



## Message Read

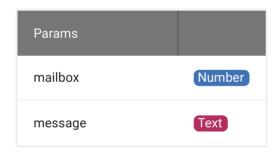
## Returns: Text

Read a message from a mailbox (1-10) on the robot.



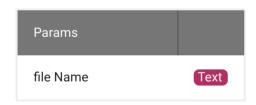
## Message Write

Write a message to a mailbox (1-10) on the robot.



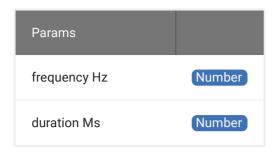
## Play Sound File

Play a sound file on the robot.



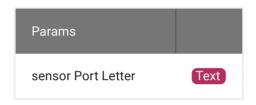
## Play Tone

Make the robot play a tone.



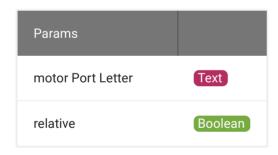
## Reset Input Scaled Value

Reset the scaled value of an input sensor on the robot.



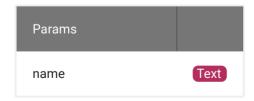
### **Reset Motor Position**

Reset motor position.



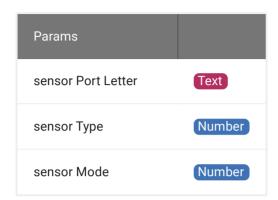
### Set Brick Name

Set the brick name of the robot.



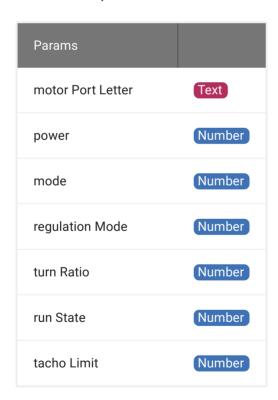
## Set Input Mode

Configure an input sensor on the robot.



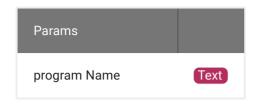
## Set Output State

Sets the output state of a motor on the robot.



## Start Program

Start execution of a previously downloaded program on the robot.



## **Stop Program**

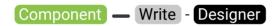
Stop execution of the currently running program on the robot.

Stop Sound Playback

Stop sound playback.

# **Properties**

## Bluetooth Client



The BluetoothClient component that should be used for communication.

Last update: January 26, 2020