

COMMAND NAME	Associated help
NXT	NXT is used to define global options with Options[NXT]. Default options are ResultFormat→Names, Echo→Off.
NXTClose	NXTClose[port,handle] close the file given by handle. Default option is Reply→True.
NXTCloseModule	NXTCloseModule[port,handle] closes the module handled.
NXTDelete	NXTDelete[port,filename] delete the file named. Default option is Reply→True.
NXTFindFirst	NXTFindFirst[port,filename] locates the first file with the given filename and returns a handle. Wildcards can be used. Default option is Reply→True.
NXTFindNext	NXTFindNext[port,handle] locates the subsequent file from the NXTFindFirst command of the handle. Default option is Reply→True.
NXTGetBatteryLevel	NXTGetBatteryLevel[port] returns the battery level (mV). Default option is Reply→True.
NXTGetCurrentProgramName	NXTGetCurrentProgramName[port] returns the name of the program currently running. Default option is Reply→True.
NXTGetDeviceInfo	NXTGetDeviceInfo[port] returns the NXT name, the Bluetooth address and the available memory.
NXTGetFirmwareVersion	NXTGetFirmwareVersion[port] returns the protocol version and the firmware version.
NXTGetInputValues	NXTGetInputValues[port,sensor] reads the sensor. Default option is Reply→True.
NXTGetOutputState	NXTGetOutputState[port,motor] reads the tacho counts of the motor. Default option is Reply→True.
NXTGetSleepTime	NXTGetSleepTime[port] returns the amount of time (ms) after which the brick goes to sleep. Also resets the timer. Default option is Reply→True.
NXTGetVolume	NXTGetVolume[port] returns the volume of the NXT speaker. Default option is Reply→False.
NXTKeepAwake	NXTKeepAwake[port] reset the timer before the NXT goes to sleep mode. Default option is Reply→False.
NXTLSGetStatus	NXTGetStatus[port,sensor] checks that the Low-Speed Sensor (I2C compatible) is ready. Default option is Reply→True.
NXTLSRead	NXTLSRead[port,sensor] reads the Low-Speed Sensor (I2C compatible). Default option is Reply→True.
NXTLSWrite	NXTLSWrite[port,sensor,NumberOfBytesExpectedInReturn,BytesToSend] sends bytes to the Low-Speed Sensor (I2C compatible) and informs it of the length of the response. Default option is Reply→True.
NXTMessageRead	NXTMessageRead[port,boxnumber,localboxno] reads a message from the NXT. Default options are Reply→True, Remove→True.
NXTMessageWrite	NXTMessageWrite[port,boxnumber,msg] write a message (given as a string) in the box number. Default option is Reply→False.
NXTOpenRead	NXTOpenRead[port,filename] opens a file in Read mode and return a handle to the file. Default option is Reply→True.
NXTOpenWrite	NXTOpenWrite[port,filename,filesize] creates a file in Write mode and return a handle to the file. Default option is Reply→True.
NXTPlaySoundFile	NXTPlaySoundFile[port, filename] plays the sound file. Sound files have extensions .RSO. Default options are Reply→False, Loop→False.
NXTPlayTone	NXTPlayTone[port,frequency, duration (ms)] plays the tone. Default option is Reply→False.

NXTRead	NXTRead[port,handle,length] reads a number of bytes given by length from the handled file. Default option is Reply→True.
NXTReadIOMap	NXTReadIOMap[port,ModuleID,Offset,length] reads the memory bytes located at offset from the start of the module.
NXTRequestFirstModule	NXTRequestFirstModule[port,filename] locates the first module with the given filename and returns a handle and returns a moduleID (4 bytes). Modules are files with extension .mod. Wildcards can be used.
NXTRequestNextModule	NXTRequestNextModule[port,handle] locates the subsequent module from the NXTFindFirstModule of the handle and returns a moduleID (4 bytes).
NXTResetInputScaledValue	NXTResetInputScaledValue[port,sensor] resets the sensor to zero. Reply→False.
NXTResetMotorPosition	NXTResetMotorPosition[port,motor,mode] resets the tachometer. Default option is Reply→False.
NXTSetBrickName	NXTSetBrickName[port,name] changes the name of the NXT displayed on the LCD screen.
NXTSetInputMode	NXTSetInputMode[port,sensor,sensortype,sensormode] sets the sensors (see Lego documentation). Default option is Reply→False.
NXTSetOutputState	NXTSetOutputState[port,motor,power,mode,regulationmode,turbo,runstate,tacholimit] sets the motor to these settings (see Lego documentation). Default option is Reply→False.
NXTSetVolume	NXTSetVolume[port,volume] sets the volume (0 to 4) on the NXT. Default option is Reply→False.
NXTStartProgram	NXTStartProgram[port,filename] starts the program of that name on the NXT. Programs have extensions .RXE. Default option is Reply→False.
NXTStopProgram	NXTStopProgram[port] stops the currently running program. Default option is Reply→False.
NXTStopSound	NXTStopSound[brick] stop the file sound if played in loop. Default option is Reply→False.
NXTWrite	NXTWrite[port,handle,data] write in the file handled the data, a list of bytes. Default option is Reply→True.
NXTWriteIOMap	NXTWriteIOMap[port,ModuleID,Offset,length] writes the memory bytes, starting at offset from the start of the module.