

## Bio-Tek ELx405



Manufacturer: Bio-Tek Instruments, Inc.  
 Model Number: BioTek-ELx405  
 Web Address: [www.biotek.com](http://www.biotek.com)

The ELx405 Select model provides independent control of both dispense and aspirate manifolds for precise overflow washing and overflow protection in both 96- and 384-well microplates. The ELx405 Auto Washer model is the most precise and reliable washer available. The ELx405 Magna is specifically designed for applications which use magnetic bead technology.

### Plate Washer: Commands

- ▶ **AboutBox( )** - Displays the about box for the BTI Autowasher software.
- ▶ **HomeAllAxes( )** - Homes all the washer axes.
- ▶ **RunSystemTest( )** - Checks the manifold and manifold carrier movement, the vacuum pump, and the software checksum.
- ▶ **ResetWasher( )** - Reboots the washer, homes all the axes and performs the system test.
- ▶ **RunOnBoardProgram( programName )** - Runs the specified program already defined on the washer.

programName	String	Name of the program as defined on the washer.
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- ▶ **RunCurrentProgram( )** - Downloads the currently defined program onto the washer and runs it.

- ▶ **ModifyProgram( programName, programVersion, programDescription, hardwareType, plateType, programType, primeAtStart, dispenseVolume, cycleNumber, washMode, soakAfterDispense, bufferValve )** - Modifies the washer model, plate type, program properties, and other parameters that are applicable to all programs.

programName	String	Name of the current program.
programVersion	String	Version identifier for the current program.
programDescription	String	Description of the current program.
hardwareType	Integer	Current model of the washer used. 78 - ELx405 Magna. 79 - ELx405 Select. 80 - ELx405 Auto Washer.
plateType	Integer	Plate type to be used during program execution. 2 - 96 well plate, 3 - 384 well plate, 25 - 96 well magnetic bead plate.
programType	Integer	Type of program to be executed on the washer. 0 - wash, 1 - aspirate, 2 - dispense, 3 - dispense, 4 - soak.
primeAtStart	Boolean	Specifies if the prime cycle is executed before the program.

dispenseVolume	Integer	Specifies the dispense volume in micro-litres per well and per wash cycle. Range of values: 50 to 3000.
cycleNumber	Integer	Specifies the number of complete wash cycles to be performed. Range of values: 1 to 10.
washMode	Integer	Wash format to be used during program execution. 1 - plate wash mode, 3 - quadrant wash mode (ELx405 Select model only).
soakAfterDispense	Boolean	Specifies if the plate is soaked after solution is dispensed.
bufferValve	String	Specifies the buffer bottle containing the solution. Acceptable values: A, B, C or D.

▶ **GetCurrentError( )** - Retrieve the current error message.

## Plate Washer: Errors

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