

HighRes AmbiStore



Manufacturer: HighRes
Model Number: HighRes-AmbiStore
Web Address: www.highresbio.com/

The HighRes AmbiStore device is a plate management system designed to store a large volume of SBS plates in a relatively small footprint. The system allows users to rapidly load and unload plates in random order.

AmbiStore: Commands

▶ **abort()** - Stops all movements, empties the command queue, and puts the machine in the ABORT status, such that all movement commands will be ignored.

▶ **bc(stacker, slot)** - Reads and returns the barcode of the plate from a single slot in a stacker.

stacker	Integer	Stacker selection.
slot	Integer	Slot selection.

▶ **cba()** - Clears the system abort status.

▶ **home()** - Moves the AmbiStore to its home position.

▶ **homedstatus()** - Checks if the instrument needs to be homed. May also respond with "locked" while waiting for another device.

▶ **lock()** - Causes the AmbiStore to wait until the current motion commands are complete, and sets the machine status to "locked".

▶ **neststatus(nest)** - Gets the status of the specified nest. The command responds with either, "CLEAR" if nest is empty, or "PLATE" if nest is occupied.

nest	Integer	Nest selection.
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▶ **pick(stacker, slot, nest)** - Retrieves a plate from the carousel from the specified stack and slot and places it in the specified nest. When the plate is available to be picked up and the mechanism is clear of the nest, the AmbiStore will respond with the line "PLATE_AVAILABLE".

stacker	Integer	Stacker selection.
slot	Integer	Slot selection.
nest	Integer	Nest selection.

▶ **place(stacker, slot, nest)** - Inserts a plate into the specific slot and stacker of the carousel from the specified nest. Once the plate has been removed from the nest and the mechanism is clear of it, the AmbiStore will respond with "CLEAR" marking the nest as available again.

stacker	Integer	Stacker selection.
slot	Integer	Slot selection.

nest	Integer	Nest selection.
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▶ **platestatus()** - Gets the status of the spatula plate sensor. This responds with either "CLEAR" or "PLATE".

▶ **rescue(nest)** - Rescues a plate left behind in the spatula and places the plate into the specified nest.

nest	Integer	Nest selection.
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▶ **unlock()** - Clears machine "locked" status.

▶ **uspin(stacker)** - Spins the carousel so that the specified stacker number is directly facing the user side of the device.

stacker	Integer	Stacker selection.
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Instrument Error

🔥 **InstrumentError(code)** - An error occurred during command execution.

code	Integer	Error code.
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