

# REMOTE QUICK REFERENCE - LASERWASH

## FUNCTION KEYS

Button	Function
INFO	This key identifies current operating information for machine (always on even during washing).
ALT	This key allows alternate key usage.
STOP	This key stops machine motion (clears all persistent errors and warnings).
YES/ON	This key provides a Yes and/or On answer or command.
IO MON	This key begins Input and Output Monitor commands.
NO/OFF	This key provides a No and/or Off answer or command.
UP ARROW	This key tells the machine to move bridge forward or go "up" in the menu (if pressing <i>ALT</i> first, motion is at creep speed).
DOWN ARROW	This key tells the machine to move bridge backward or go "down" in the menu (if pressing <i>ALT</i> first, motion is at creep speed).
LEFT ARROW	This key tells the machine to move trolley left (if pressing <i>ALT</i> first, motion is at creep speed).
RIGHT ARROW	This key tells the machine to move trolley right (if pressing <i>ALT</i> first, motion is at creep speed).
CENTER CIRCLE	This key is used to tell the arch to index (rotate) Counter Clockwise. (to rotate clockwise press <i>ALT</i> first)
0-9	Use these keys to enter the numbers 0-9.
CLEAR	This key clears previous key strokes and to begin a new command.
ENTER	This key performs an enter function that will submit a command.
INSTANT	This key begins instant commands that can be done in maintenance or run mode.
STATUS	This key begins status commands.
CONFIG	This key begins configuration commands.
MOTION	This key begins a motion command.
FLUID	This key begins a fluid command.
TEST	This key begins a test command.

### FLUID MODE

Sequence	Function
1	LPA - Soap 1
2	LPA - Soap 2
3	LPA - Wax
4	Super Sealant
5	Front Prep
10	HPA - Rinse
11	HPA - Detergent
13	HPA - Polysealant
14	HPA - Drying Agent
15	HPA with Water Saver - Rinse
16	HPA with Water Saver - Detergent
18	HPA with Water Saver - Polysealant
19	HPA with Water Saver - Drying Agent
20	Productivity - Rinse
21	Productivity - Soap
22	Productivity - Polysealant
23	3X Foam
24	Productivity - Drying Agent
26	Productivity - Spot Free
30	UBF - Rinse
31	UBF - Rust Inhibitor
32	Wheel Cleaner
33	UBF - Rinse with Gatlin Guns
34	UBF - In-Place
35	UBF - Soap
36	UBF with Water Saver - Rinse
37	UBF with Water Saver - Rinse with Gatlin Guns
38	UBF with Water Saver - In-Place
45	OverGlow - Fresh Water
46	OverGlow Purge - Fresh Water
93	Weep - Charge Test (LP chemicals)
94	Weep - Charge Test (3X and SuperSealant)
95	Weep - Charge Everything

### WATER TYPES FOR FLUID MODE

LP Arch	0=Cold Water, 1 = Hot Water
HP Arch	1= RO, 2= Fresh, 3=Hot, 4=Reclaim

### TEST MODE

Sequence	Function
1	Test Load Vehicle
4	Sign Test
5	Door Test
10	SA Dryer Test
11	OB Dryer
14	Arch Bearing Test w/High Pressure
15	Dynamic Sensor Floor Test
21-29	LaserGlow - Patterns ***see page 2
31	Wash A (1) Fluid Test
32	Wash B (2) Fluid Test
33	Wash C (3) Fluid Test
34	Wash D (4) Fluid Test
35	Weep Test
41	Send Daily Sales Report
42	Send Daily Counter Report
43	Send Tech Email
44-49	LaserGlow - Solid Colors ***see page 2
50	Ping Loop Back
51	Ping Self
52	Ping Bridge Node
54	Ping Bay Node
55	Ping Pump Node
58	Ping Activation Node
59	Ping Gateway
60	Ping Access
61	Ping DNS Server
62	Ping Yahoo
63	Ping Google
74	Update Software
81	Count Down Timer Test
90	Reset Conductor
91	Reset Activation Node
92	Reset Bridge Node
93	Reset Pump Node
94	Reset Bay Node
96	Shut Down Conductor
99	Reset All Nodes

# REMOTE QUICK REFERENCE - LASERWASH

CONFIG MODE	
Sequence	Function
1	Profile Floor
4	Calibrate UBF Sonics
6	Arch Analog Prox Adjust
7	Arch Calibration
12	Bridge/Trolley Find Limits
21	Measure Bridge/Trolley Navigation Constants
30	Get Software Versions
31	Load Activation Node Firmware
32	Load Bridge Node Firmware
33	Load Pump Node Firmware
34	Load Bay Node Firmware
36	Get Comm Errors
40	Back Up Config Files
41	Restore Config Files
50	Clear Maintenance Reminder Counter
81	Email Package Report
82	Email Config Report
89	Email Special Report

MOTION MODE	
Sequence	Function
1	Home Position "Auto-Home"
4	Bridge Go To Home
7	Load Position
10	Full Cycle
11	Bridge Cycle
12	Trolley Cycle
15	Start Air Blow Down Freeze Protection
16	Blow Down Recharge
20-29	Bridge Go Front (2_ = Front, 0 - 9 = Speed)
30-39	Bridge Go Front @ Dryer Speeds
40-49	Bridge Go Left (4_ =Left, 0 - 9 = Speed)
51	Arch To CW Offset
52	Arch To CCW Offset
53	Arch Oscillate
54	Arch 5 Degrees CCW
55	Arch 15 Degrees CCW
56	Arch 45 Degrees CCW
57	Arch 5 Degrees CW
58	Arch 15 Degrees CW
59	Arch 45 Degrees CW
60-69	Bridge Go Right (6_ = Right, 0 - 9 = Speed)
80-89	Bridge Go Back (8_ = Back, 0 - 9 = Speed)
90-99	Bridge Go Back @ Dryer Speeds

STATUS MODE	
Sequence	Function
0	Overall Status
1	Entry Status
2	Wash Status
3	System Stop Status
5	Location Status
8	Last Abort Cause
9-12	2 <sup>nd</sup> ,3 <sup>rd</sup> ,4 <sup>th</sup> ,5 <sup>th</sup> Last Abort Cause
13	Bay Temp
14	Outside Temp
15	Soap Temp
20	Cars Today
30	Email Overall Status
31	Email DNS Lookup Errors
32	Email Connect Errors
33	Email Timeout Errors
41	Home Position Status

LASERGLOW PATTERNS	
Sequence	Function
Test 21	Forward - Slow
Test 22	Forward - Fast
Test 23	Stop - Slow
Test 24	Stop - Fast
Test 25	Back Up - Slow
Test 26	Back Up - Fast
Test 27	Idle Fade (Racetrack)
Test 28	Larson Scanner
Test 29	Fast Color Swings

INSTANT MODE	
Sequence	Function
0	Reset Arch Impact
1	Issue Wash A (1)
2	Issue Wash B (2)
3	Issue Wash C (3)
4	Issue Wash D (4)
5	Issue Wash E (5)
6	Issue Wash F (6)
7	Issue Wash G (7)
8	Issue Wash H (8)
11	Force Entrance Door Open
12	Force Entrance Door Close
13	Force Exit Door Open
14	Force Exit Door Close
15	Force Both Doors Open
16	Force Both Doors Close
17	Clear All Door Forces
20	Maintenance/Run Mode
30	Cancel Power/Motion Weep
99	Abort Running Package

LASERGLOW COLORS	
Sequence	Function
Test 44	Red
Test 45	Green
Test 46	Blue
Test 47	Violet
Test 48	Yellow
Test 49	Aqua

I/O FUNCTIONS		I/O MON
Sequence	Function	
71	Arch Analog voltage	
81	Exit Loading Pair Ultrasonic (back up)	
82	Entrance Loading Pair Ultrasonic (stop)	
83	Entrance and Exit Pairs Ultrasonic	
84	Exit Loading Ultrasonic Floor Test	
85	Left Entrance Ultrasonic loading floor test	
86	Right Entrance Ultrasonic loading floor test	
87	UBF Ultrasonic Pair	
88	Bay Left Side Measure Sonic (Digital Monitor)	
89	Bay Right Side Measure Sonic (Digital Monitor)	
91	Bridge Exit Right Loading Ultrasonic (back up)	
92	Bridge Exit Left Loading Ultrasonic (back up)	
93	Bridge Entrance Left Ultrasonic (stop)	
94	Bridge Entrance Right Loading Ultrasonic (stop)	
96	Bay Left UBF Ultrasonic	
97	Bay Right UBF Ultrasonic	
98	Bay Left Side Measure Ultrasonic (Analog Monitor)	
99	Bay Right Side Measure Ultrasonic (Analog Monitor)	

**Note: For more info on I/O Mon functions, please see the Start-Up manual**

ULTRASONIC TESTING		
Distance	Sign Display / Speaker	Audio
0- 500 mm	Rapidly Blinking X	"Lo Limit"
500-999	Up Arrow	"Very Near"
1000-1499	Stop Sign "X"	"Near"
1500-1999	Down Arrow	"Middle"
2000-2499	Up-Down Arrow	"Far"
2500-5000	All Sign Elements on	"Very Far"
No Echo	All Sign Elements on	"Hi Limit"