

x.Spot® Xtreme Menu Map

This Appendix contains the Menu Map for the standard x.SpotXtreme fixture configuration. Edit Scene parameters in the Preset Menu and some settings in other menus will vary in different module configurations.

Navigational Basics

1. Unlock the Menu system by pressing the Menu ► button for a few seconds until the display goes to the 2-line format. You are now at the top level menus.
2. Use the left and right arrows ◀▶ on the 4-way Navigation button to scroll through Menu options at the current level.
3. Stop at the option you want and press the Enter ▲ button to select
Note: The menu system does not store an option until the Enter button is pressed.
4. If there is another level of menu choices repeat Steps 2 and 3.
5. When you reach the option or setting level of the menu, the display shows the option currently set for that menu item. Use the up and down ⬆⬇ arrows on the Navigation button to scroll to the desired option or setting. The option will blink until selected. Pressing the Enter button stores the setting. Pressing the Menu button returns you to the previous menu level *without changing* the value of an option.
6. Continue pressing the Menu button to move back up levels until exiting the menu system.

Level 1 Menus

The following tables describe the sub-levels and options for each of the top level menus. See Chapter 3 for a more detailed description of the menu system and examples of selected operations. The following comprise the top level of the x.SpotXtreme menu system:

DMX Address Menu	Fixture Mode Menu
Onboard Preset Menu	Test Options Menu
Set Parameters Menu	Information Menu

DMX Address Menu

Level 2	Option/Setting	Description/Notes
▼ enters and exits Menu System	◆ scrolls between values ▲ selects	
SET DMX START CHANNEL: ###	1-498	Selected value becomes the first DMX value in the range for that fixture on a DMX 512 link.

Onboard Presets Menu

Level 2	Level 3	Level 4	Option/Setting	Description/Notes
▼ enters and exits Menu System and moves up levels	◆ moves between items on the same level. ▲ selects		◆ scrolls between values ▲ selects	
PLAYBACK MODE MENU	PLAYBACK MODE		ON	Plays the currently programmed sequence of scenes up to 16 scenes or until it reaches a <i>zeroed</i> scene
			OFF	Turns Playback off
	SCENE PLAYING:			Displays the scene # currently playing when PLAYBACK MODE is ON
EDIT SCENE##			1-16	Selects scene 1-16 in the current User Mode to edit
	CHASSIS MENU	SHUTTER (Options with all LAMP FUNCTION settings)	OPEN 255	Opens shutter and displays DMX value of 232 or 255
			CLOSE 0	Closes shutter and displays related DMX value of 0
			PERIODIC ## ###	Sets Periodic beam strobing rates from 1–26 with DMX value
			RANDOM ## ###	Sets Random beam strobing rates from 1–26 with DMX value
			RAND/SYNC ## ###	Sets Synchronized random strobing of all x.SpotXtreme fixtures using the same controller at strobe rates from 1–26 with DMX value
		SHUTTER (Options only with LAMP FUNCTION setting at NORMAL or LAMP STROBE)	RAMP/SNAP ## ###	Set strobe rate from 1–26 with DMX value to open shutter at variable speeds, then snap shut at full speed
			SNAP/RAMP ## ###	Set strobe rate from 1–26 with DMX value to open shutter at full speed, then ramp shut
			RAMP/RAMP ## ###	Set strobe rate from 1–26 with DMX value to open shutter at variable speeds, then ramp shut
			RNDRMPSP ## ###	Set strobe rate from 1–26 with DMX value to open shutter at random variable speeds, then snaps shut at full speed
			RNSNPRMP ## ###	Set strobe rate from 1–26 with DMX value to open shutter at full speed, then ramp shut at random variable speeds

Onboard Presets Menu

Level 2	Level 3	Level 4	Option/Setting	Description/Notes	
▼ enters and exits Menu System and moves up levels ◀ moves between items on the same level. ▲ selects			◆ scrolls between values ▲ selects		
EDIT SCENE##	CHASSIS MENU	SHUTTER (Options only with LAMP FUNCTION setting at LAMP EFFECT)	BOOST##BLK ###	Set time in sec of 1.0, .75,.66,.50,.33,.25 with DMX value to boost the lamp then closes the shutter	
			BOOST##WHT ###	Select time in sec of 1.0, .75,.66,.50,.33,.25 with DMX value to boost the lamp then leave the shutter open with lamp dimmed	
			LIGHTNING # ###	Select from factory programmed lightning effects 1–6 with DMX value. <i>Dim channel scales brightness of the lightning effects.</i>	
		DIM	###%	###	DIM from 0-100% with DMX value. See LAMP FUNCTION
		LAMP FUNCTION	NORMAL	###	No modification to Shutter or Dim functions
			LAMP STROBE	###	Adds Lamp boosting to strobing in the Shutter options
			LAMP EFFECT	###	Adds Boost effects and lightning effects to Shutter options
			DUAL DIM	###	Adds electronic dimming to mechanical dimming for Dim settings.
			LAMP DIM	###	Sets Dim for electronic dimming only.
		PAN	DEG###	#####	Displays Degrees from 0–620 with 16-bit DMX value
		TILT	DEG###	#####	Displays Degrees from 0–240 with 16-bit DMX value
		FROST	OPEN	###	Opens the frost flags and displays DMX values 1 and 255
			VARIABLE ###%	###	Set variable diffusion from full (100%) with frost flags closed to (0%)
			CLOSED	135	DMX value for fully closed frost flags
			PERIODIC ##	###	Set Periodic strobe rates from 1–16 with DMX value
			RANDOM ##	###	Set Random strobe rates from 1–16 with DMX value
			RAMP/SNAP ##	###	Set strobe rates from 1–16 with DMX value to ramp frost flags open, then snap shut at full speed
			SNAP/RAMP ##	###	Set strobe rates from 1–16 with DMX value to snap frost flags open at full speed, then ramp shut at variable speeds
			RAMP/RAMP ##	###	Set strobe rates from 1–16 with DMX value to ramp frost flags open then ramp shut at variable speeds
			RNDRMPSNP ##	###	Set strobe rates from 1–16 with DMX value to randomly ramp frost flags open then snap shut at full speed
RNSNPRMP ##	###	Set strobe rates from 1–16 with DMX value to randomly snap frost flags open at full speed, then ramp shut			

Onboard Presets Menu

Level 2	Level 3	Level 4	Option/Setting	Description/Notes	
▼ enters and exits Menu System and moves up levels ⬅ moves between items on the same level. ▲ selects			⬆ scrolls between values ▲ selects		
EDIT SCENE ##	CHASSIS MENU	FOCUS FUNCTION	MANUAL 63	Sets Focus parameter to operate manually	
			ZOOMTRACK 0	Sets Focus parameter to automatically track Zooming	
			TBD 64	Reserved for future use	
		FOCUS POSITION	###%	###	0-100% of travel with the corresponding DMX value. 0%=focus in, 100%=focus out
		ZOOM POSITION	###%	###	0-100% of internal lens movement range with the DMX value. 0%=zoom in, 100%=zoom out.
		M - SPEED	###.##SEC	###	Seconds from.15–252.7 with the corresponding DMX value
		MACRO	MACROOFF 0	Displays DMX value for Macro off	
			PAN1###	###	Steps of pan sweep motion from 1–58 with DMX value
			MACROOFF 63	Displays DMX value for Macro off	
			TILT1###	###	Steps of tilt sweep motion from 1–58 with DMX value
			MACROOFF 123	Displays DMX value for Macro off	
			CIRCLE1 ##	###	Clockwise circle angle steps from 1–36 with DMX value
			MACROOFF 161	Displays DMX value for Macro off	
			CIRCLE2 ##	###	Counterclockwise circle angle steps from 1–36 with DMX value
TBD	###	Reserved for future use			

Onboard Presets Menu

Level 2	Level 3	Level 4	Option/Setting	Description/Notes	
▼ enters and exits Menu System and moves up levels ◀ moves between items on the same level. ▲ selects			⬇ scrolls between values ▲ selects		
EDIT SCENE ##	SLOT 1 MENU	STATIC COLOR FUNCTION	INDEXED ###	Takes quickest path and snaps to the chosen whole or half color	
			FWD SPIN ###	Forward color wheel spin at variable speeds	
			REV SPIN ###	Reverse color wheel spin at variable speeds	
			CONTIN ###	Positioning at any point on the color wheel	
			SLOW SCN ###	Oscillates the wheel at a slow range and speed	
			FAST SCN ###	Oscillates the wheel at a fast range and speed	
			RANDOM ###	Random whole color positions at variable speeds	
			BLINK ###	Closes then reopens the shutter between indexed color changes	
			MS-INDEXED ###	These Static Color Functions operate the same as full speed functions, but at the motor speed time assigned in the MSPEED Menu . For more information, see“MSpeed (Motor Speed)” on page 4-8	
			MS-FWD SPIN ###		
			MS-REV SPIN ###		
			MS-CONTIN ###		
			MS-SLOW SCN ###		
			MS-FAST SCN ###		
		MS-RANDOM ###			
		MS-BLINK ###			
		STATIC COLOR	OPEN ###	When STATIC COLOR FUNCTION = INDEXED or MS-INDEXED, the display indicates options for centering the beam at a full color position or between two color positions on the wheel and the associated DMX value. When STATIC COLOR FUNCTION is set at SLOW SCN, FAST SCN, BLINK, MS-SLOW SCN , MS-FAST SCN, or MS-BLINK, that word replaces COLOR in the display and fixture performs that function at the selected position.	
			COLOR 1/2 ###		
			COLOR 2 ###		
			COLOR 2/3 ###		
			COLOR 3 ###		
			COLOR 3/4 ###		
			COLOR 4 ###		
			COLOR 4/5 ###		
			COLOR 6 ###		
			COLOR 6/1 ###		
			FWD SPIN###% ###		Options when STATIC COLOR FUNCTION = FWD SPIN OR
			SPIN STOP ###		MS-FWD SPIN. Set speed from slow(0%) to fast (100%) to STOP
REV SPIN###% ###	Options when STATIC COLOR FUNCTION = REV SPIN or MS-REV SPIN.				
SPIN STOP ###	Set speed from slow (0%) to fast spin (100%) to STOP				
DEG### ###	STATIC COLOR FUNCTION is = CONTIN, Set from 1-360 degrees.				
RANDOM###% ###	Options when STATIC COLOR FUNCTION = RANDOM, Set speed from slow				
RANDOM STOP ###	(0%) to fast random color (100%) to STOP				

Onboard Presets Menu

Level 2	Level 3	Level 4	Option/Setting	Description/Notes
▼ enters and exits Menu System and moves up levels ◀ moves between items on the same level. ▲ selects			◆ scrolls between values ▲ selects	
EDIT SCENE ##	SLOT 1 MENU	MIX COLOR FUNC	PURE MIX ###	Allows color wheel movement from open (white) to saturated color (permits a smaller “step” between color wheel positions for crossfades).
			CONTINUOUS ###	Allows complete 360 degree color wheel movement.
			TBD ###	Reserved, uses pure Mix as default.
			SPIN ###	Puts all three (cyan, magenta, and yellow) color wheels in spin mode. Wheel Spin speed, direction, or fixed position can be set individually on CMY channels.
			CYCLE ###	Cycle colors from red to green to blue at variable speeds (rate set by cyan DMX channel).
			TBD ###	Reserved; uses pure Mix as default.
			RANDOM ###	Performs a pseudo-random color chase of 12 factory-selected colors using the cyan, magenta, and yellow color wheels at variable speeds (rate set by cyan DMX channel).
			BLINK ###	Defined using Continuous wheel operation. Shutter snaps closed during any color move, then re-opens.
			MS-PURE MIX ###	These Mix Color Functions operate the same, but at the motor speed time assigned in the MSPEED Menu instead of full speed. For more information, see“MSpeed (Motor Speed)” on page 4-8
			MS-CONTINUOUS ###	
			MS-TBD ###	
			MS-SPIN ###	
			MS-CYCLE ###	
			MS-TBD ###	
		MS-RANDOM ###		
		MS-BLINK ###		
		PURE MIX###%	MIX COLOR FUNC=PURE MIX, set from 0–100% Cyan	
		CONTIN ###%	MIX COLOR FUNC=CONTIN, Open to 100% Cyan	
		FWD SPIN ## ###	When MIX COLOR FUNC=SPIN, Set forward spin speed rate from 0–60 or reverse spin speed rate from 60-0. Set Position on wheel from 1-360 degrees.	
		POSITION ### ###		
		REV SPIN ## ###		
		SPIN STOP ###		
		CYCRATE ###%	MIX COLOR FUNC=CYCLE: Cycle rate as 0–100% of maximum	
RDMRATE ###%	MIX COLOR FUNC=RANDOM: Random rate as 0–100% of maximum			
BLINK ###%	MIX COLOR FUNC=BLINK: Blink rate as 0–100% of maximum			
	CYAN			

Onboard Presets Menu

Level 2	Level 3	Level 4	Option/Setting	Description/Notes
▼ enters and exits Menu System and moves up levels ◀ moves between items on the same level. ▲ selects			◆ scrolls between values ▲ selects	
EDIT SCENE ##	SLOT 1 MENU	MAGENTA	PURE MIX ###% ###	MIX COLOR FUNC=PURE MIX: Open-100% Magenta
			CONTIN ###% ###	MIX COLOR FUNC=CONTIN: Open-100% Magenta
			FWD SPIN ### ###	When MIX COLOR FUNC=SPIN, Set forward spin speed rate from 0-60 or reverse spin speed rate from 60-0. Set Position on wheel from 1-360 degrees.
			POSITION ### ###	
			REV SPIN ### ###	
			SPIN STOP ### ###	
			MAGENTA NOT USED	MIX COLOR FUNC=CYCLE or RANDOM
			BLINK ###% ###	MIX COLOR FUNC=BLINK
		YELLOW	PURE MIX ###% ###	MIX COLOR FUNC=PURE MIX: Open-100% Yellow
			CONTIN ###% ###	MIX COLOR FUNC=CONTIN: Open-100% Yellow
			FWD SPIN ## ###	When MIX COLOR FUNC=SPIN, Set forward spin speed rate from 0-60 or reverse spin speed rate from 60-0. Set Position on wheel from 1-360 degrees.
			POSITION ### ###	
			REV SPIN ## ###	
			SPIN STOP ### ###	
			YELLOW NOT USED	MIX COLOR FUNC=CYCLE or RANDOM
			BLINK ###% ###	MIX COLOR FUNC=BLINK
		CTO	CONTIN ### ###	Always in CONTIN mode. Select 1-360 degrees
		CTB	CONTIN ### ###	Always in CONTIN mode. Select 1-360 degrees

Onboard Presets Menu

Level 2	Level 3	Level 4	Option/Setting	Description/Notes
▼ enters and exits Menu System and moves up levels ◀ moves between items on the same level. ▲ selects			◆ scrolls between values ▲ selects	
EDIT SCENE ##	SLOT 2 MENU	GOBO 1 FUNCTION	INDEXED ###	Quickest path and snap to the chosen position.
			FWD SPIN ###	Forward wheel spin at variable speeds.
			REV SPIN ###	Reverse wheel spin at variable speeds.
			SCAN ###	Oscillates the wheel at a factory-determined range and speed
			RANDOM ###	Selects random positions at variable speeds.
			BLINK ###	Closes then reopens the shutter between indexed position changes.
			TBD ###	Reserved
			CONTIN ###	Sets positioning at any point on the wheel
			MS-INDEXED ###	These GOBO 1 FUNCTIONs operate the same, but at the motor speed time assigned in the MSPEED Menu instead of full speed. For more information on Motor Speed, see "MSpeed (Motor Speed)" on page 4-8
			MS-FWD SPIN ###	
			MS-REV SPIN ###	
			SCAN ###	
			MS-RANDOM ###	
			MS-BLINK ###	
		MS-TBD ###		
		MS-CONTIN ###		
		OPEN ###	Sets wheel to open position + DMX value of 0 or 255	
		POSITION 2 ###	When GOBO 1 FUNCTION = INDEXED or MS-INDEXED, the display indicates options for centering the beam at any litho position on the wheel. When GOBO 1 FUNCTION = RANDOM, SCAN, or BLINK, MS-RANDOM, MS-SCAN, OR MS-BLINK, that word replaces Position in the display.	
		POSITION 3 ###		
		POSITION 4 ###		
		POSITION 5 ###		
		POSITION 6 ###		
		POSITION 7 ###		
POSITION 8 ###				
CONTIN ###	GOBO 1 FUNCTION = CONTIN. Set from 0-360 degrees .			

Onboard Presets Menu

Level 2	Level 3	Level 4	Option/Setting	Description/Notes
▼ enters and exits Menu System and moves up levels ◀ moves between items on the same level. ▲ selects			◆ scrolls between values ▲ selects	
EDIT SCENE ##	SLOT 2 MENU	GOBO 1 ROT FUNC	INDEXED ###	Gobo wheel takes the quickest path and snaps to chosen aperture.
			FWD ROT ###	Forward aperture wheel rotation at variable speeds.
			REV ROT ###	Reverse aperture wheel rotation at variable speeds.
			TBD ###	Reserved
			BLINK ###	Closes and opens the shutter on aperture position changes.
			TBD ###	Reserved
			MS-INDEXED ###	These Gobo 1 Rotate Functions operate the same, but at the motor speed time assigned in the MSPEED Menu instead of full speed. For more information, see "MSpeed (Motor Speed)" on page 4-8
			MS-FWD ROT ###	
			MS-REV ROT ###	
			MS-TBD ###	
			MS-BLINK ###	
			MS-TBD ###	
		GOBO 1 ROT	DEG ### #####	GOBO 1 ROT FUNC = INDEXED, TBD, MS-INDEXED. Sets aperture rotation from 0–360 degrees (16-bit DMX value)
			FORWARD###% #####	GOBO 1 ROT FUNC = FWD SPIN, MS-FWD SPIN. Sets aperture forward rotate speed from 0–100% of maximum speed to STOP (16-bit DMX value)
			STOP #####	
			REVERSE###% #####	GOBO 1 ROT FUNC = REV SPIN, MS-FWD SPIN. Sets aperture reverse rotate speed from 0–100% of maximum speed to STOP (16-bit DMX value)
			STOP #####	
			TBD #####	Reserved
		BLINK### #####	GOBO 1 ROT FUNC = BLINK, MS-BLINK. Sets aperture rotation from 0–360 degrees (16-bit DMX value)	

Onboard Presets Menu

Level 2	Level 3	Level 4	Option/Setting	Description/Notes	
▼ enters and exits Menu System and moves up levels ◀ moves between items on the same level. ▲ selects			◆ scrolls between values ▲ selects		
EDIT SCENE ##	SLOT 2 MENU	EFFECT FUNCTION	INDEXED ###	Takes the quickest path and snaps to the chosen position.	
			FWD SPIN ###	Allows a forward wheel spin at variable speeds.	
			REV SPIN ###	Allows a reverse wheel spin at variable speeds.	
			SCAN ###	Oscillates the wheel at a factory-determined range and speed	
			RANDOM ###	Selects random whole positions at variable speeds.	
			BLINK ###	Closes then reopens the shutter between indexed position changes.	
			TBD ###	Reserved.	
			CONTIN ###	Positioning at any point on the wheel.	
			MS-INDEXED ###	These EFFECT FUNCTIONS operate the same, but at the motor speed time assigned in the MSPEED Menu instead of full speed.	
			MS-FWD SPIN ###		
			MS-REV SPIN ###		
			SCAN ###		
			MS-RANDOM ###		For more information, see“MSpeed (Motor Speed)” on page 4-8
			MS-BLINK ###		
		MS-TBD ###			
		MS-CONTIN ###			
		OPEN ###	Sets wheel to open position + DMX value of 0 or 255		
		POSITION 2 ###	When EFFECT FUNCTION = INDEXED or MS-INDEXED, the display indicates options for centering the beam at any litho position on the wheel and the associated DMX value.		
		POSITION 3 ###			
		POSITION 4 ###			
		POSITION 5 ###			
		POSITION 6 ###		When EFFECT FUNCTION = RANDOM, SCAN, or BLINK, MS-RANDOM, MS-SCAN, OR MS-BLINK, that word replaces Position in the display.	
		POSITION 7 ###			
POSITION 8 ###					
CONTIN ###	When EFFECT FUNCTION = CONTIN. Select from 0-360 degrees + the DMX value.				

Onboard Presets Menu

Level 2	Level 3	Level 4	Option/Setting	Description/Notes
▼ enters and exits Menu System and moves up levels ◀ moves between items on the same level. ▲ selects			◆ scrolls between values ▲ selects	
EDIT SCENE ##	SLOT 2 MENU	EFFECT ROT FUNC	INDEXED ###	Takes the quickest path and snaps to chosen aperture.
			FWD ROT ###	Allows a forward aperture wheel rotation at variable speeds.
			REV ROT ###	Allows a reverse aperture wheel rotation at variable speeds.
			TBD ###	Reserved
			BLINK ###	Closes and opens the shutter on aperture position changes.
			TBD ###	Reserved
			MS-INDEXED ###	These EFFECT ROTATE FUNCTIONS operate the same, but at the motor speed time assigned in the MSPEED Menu instead of full speed. For more information, see "MSpeed (Motor Speed)" on page 4-8
			MS-FWD ROT ###	
			MS-REV ROT ###	
			MS-TBD ###	
			MS-BLINK ###	
			MS-TBD ###	
		EFFECT ROTATE	DEG ### #####	EFFECT ROT FUNC = INDEXED, TBD, MS-INDEXED Sets aperture rotation from 0–360 degrees (16-bit DMX value)
			FORWARD###% #####	EFFECT ROT FUNC = FWD SPIN, MS-FWD SPIN Sets aperture forward rotate speed from 0–100% to STOP (16-bit DMX value)
			REVERSE###% #####	EFFECT ROT FUNC = REV SPIN, MS-FWD SPIN Sets aperture reverse rotate speed from 0–100% to STOP (16-bit DMX value)
			STOP #####	
			TBD #####	Reserved (16-bit DMX value)
			BLINK### #####	EFFECT ROT FUNC = BLINK, MS-BLINK. Sets aperture rotation from 0–360 degrees (16-bit DMX value)

Onboard Presets Menu

Level 2	Level 3	Level 4	Option/Setting	Description/Notes
▼ enters and exits Menu System and moves up levels ◀ moves between items on the same level. ▲ selects			⬇ scrolls between values ▲ selects	
EDIT SCENE ##	SLOT 3 MENU	GOBO 2 FUNCTION	INDEXED ###	Takes the quickest path and snaps to the chosen position.
			FWD SPIN ###	Allows a forward wheel spin at variable speeds.
			REV SPIN ###	Allows a reverse wheel spin at variable speeds.
			SCAN ###	Oscillates the wheel at a factory-determined range and speed
			RANDOM ###	Selects random positions at variable speeds.
			BLINK ###	Closes then reopens the shutter between indexed position changes.
			TBD ###	Reserved
			CONTIN ###	Allows positioning at any point on the wheel (allows for a smaller “step” between wheel positions for crossfades).
			MS-INDEXED ###	These GOBO 2 FUNCTIONs operate the same, but at the motor speed time assigned in the MSPEED Menu instead of full speed. For more information, see “MSpeed (Motor Speed)” on page 4-8
			MS-FWD SPIN ###	
			MS-REV SPIN ###	
			SCAN ###	
			MS-RANDOM ###	
			MS-BLINK ###	
		MS-TBD ###		
		MS-CONTIN ###		
		OPEN ###	Sets wheel to open position with DMX value of 0 or 255	
		POSITION 2 ###	When GOBO 2 FUNCTION = INDEXED or MS-INDEXED, the display indicates options for centering the beam at any litho position on the wheel and the associated DMX value.	
		POSITION 3 ###		
		POSITION 4 ###		
POSITION 5 ###				
POSITION 6 ###	When GOBO 2 FUNCTION = RANDOM, SCAN, or BLINK, MS-RANDOM, MS-SCAN, OR MS-BLINK, that word replaces Position in the display.			
POSITION 7 ###				
POSITION 8 ###				
CONTIN ###		GOBO 2 FUNCTION=CONTIN. Select from 0-360 degrees with DMX value.		

Onboard Presets Menu

Level 2	Level 3	Level 4	Option/Setting	Description/Notes
▼ enters and exits Menu System and moves up levels ◀ moves between items on the same level. ▲ selects			◆ scrolls between values ▲ selects	
EDIT SCENE ##	SLOT 3 MENU	GOBO 2 ROT FUNC	INDEXED ###	Gobo wheel takes the quickest path and snap to chosen aperture.
			FWD SPIN ###	Forward aperture wheel rotation at variable speeds.
			REV SPIN ###	Reverse aperture wheel rotation at variable speeds.
			TBD ###	Reserved
			BLINK ###	Closes and opens the shutter on aperture position changes.
			TBD ###	Reserved
			MS-INDEXED ###	These Gobo 2 Rotate Functions operate the same, but at the motor speed time assigned in the MSPEED Menu instead of full speed. For more information, see "MSpeed (Motor Speed)" on page 4-8
			MS-FWD SPIN ###	
			MS-REV SPIN ###	
			MS-TBD ###	
			MS-BLINK ###	
			MS-TBD ###	
		GOBO 2 ROTATE	DEG ### #####	GOBO 2 ROT FUNC = INDEXED, TBD, MS-INDEXED Sets aperture rotation from 0–360 degrees (16-bit DMX value)
		FORWARD###% #####	GOBO 2 ROT FUNC = FWD SPIN, MS-FWD SPIN Sets aperture forward rotate speed from 0–100% to STOP (16-bit DMX value)	
		STOP #####		
		REVERSE###% #####	GOBO 2 ROT FUNC = REV SPIN, MS-FWD SPIN Sets aperture reverse rotate speed from 0–100% to STOP (16-bit DMX value)	
		STOP #####		
		TBD #####	Reserved (16-bit DMX value)	
		BLINK### #####	GOBO 2 ROT FUNC = BLINK, MS-BLINK. Sets aperture rotation from 0–360 degrees (16-bit DMX value)	

Onboard Presets Menu

Level 2	Level 3	Level 4	Option/Setting	Description/Notes
▼ enters and exits Menu System and moves up levels ◀ moves between items on the same level. ▲ selects			◆ scrolls between values ▲ selects	
EDIT SCENE ##	SLOT 3 MENU	IRIS	CLOSE 0	Closes iris.
			VARIABLE ###% ###	Determines diameter of the beam.
			OPEN 128	Opens iris.
			PERIODIC ## ###	Strobes beam diameter at specified intervals.
			RANDOM ## ###	Strobes beam diameter at random intervals.
			RAMP SNAP ## ###	Opens iris at variable speeds, then snaps shut at full speed.
			SNAP RAMP ## ###	Opens iris at full speed, then ramps shut at variable speeds.
			RAMP RAMP ## ###	Opens iris at variable speeds, then shuts at same speed.
			RNDRMPSNP ## ###	Opens iris at variable, random speeds, then snaps shut at full speed
			RNDSNPRMP ## ###	Opens iris at full speed, then ramps shut at variable, random speeds
	OPEN 248	Opens iris		
	TIMING MENU	X-FADETIME### ###	Sets time in steps from 0.1–165. Units determined by TIMEBASE	
		DELAY TIME ### ###	Sets time in steps from 0.1–165. Units determined by TIMEBASE	
		TIMEBASE XXXXXXX	Select Seconds, Minutes or Hours as the unit of time	
ZERO SCENE	YES	Erases the current scene. Returns DONE when action is complete		
	NO	Does not erase current scene.		
COPY SCENE MENU	FROM SCENE X ##	Scrolls from A1-16 through B1-16. After selection is entered the display returns STORING, then advances to TO SCENE X ##		
	TO SCENE X ##	Scrolls from A1-16 through B1-16. After selection is entered the display returns STORING, then DONE when action is completed		
CAPTURE DMX TO SCENE:##		1-16	Select scene in the current user mode and captures controllers DMX value	
DEFAULT PRESETS	YES	Select to return to default presets. If selected, returns STORING, then DONE when complete		
	NO	Leaves current programming		
SEND PRESETS TO FIXTURES? XXX	YES	Sends presets to all x.spots on the link. Returns DONE when complete		
	NO	Does not send presets.		

Set Parameters Menu

Level 2	Options/Settings	Description/Notes
▼ enters and exits Menu System and moves up levels ◀▶ moves between items on the same level. ▲ selects	◆ scrolls between values ▲ selects	
FACTORY DEFAULT SETTINGS: ###	ON	Reverts fixture to default setting
	OFF	Indicates a factory default has changed
PAN/TILT SWAP:	ENABLED	Swaps the Pan and Tilt Motion
	DISABLED	Restores default Pan and Tilt Motion
PAN INVERT:	ENABLED	Inverts Pan motor direction
	DISABLED	Restores default Pan motor direction
TILT INVERT:	ENABLED	Inverts Tilt motor direction
	DISABLED	Restores default Tilt motor direction
DISPLAY INVERT:	ENABLED	Inverts display functions
	DISABLED	Prevents display inversion
	AUTO	Returns display to normal orientation
DISPLAY LEVEL:	ON	Turns display on
	OFF	Display fully dimmed when menu is locked
LAMP LIFE LIMIT:	ENABLED	Tracks the time the lamp is on and sends a warning at 500hrs.
	DISABLED	Disables lamp life tracking
DATA LOSS TIMEOUT:	LONG	Shutter closes when fixture shuts down
	SHORT	Shutter closes 1 second after data loss

Fixture Mode Menu

Level 2	Level 3	Option/Setting	Description/Notes
▼ enters and exits Menu System and moves up levels ◀ moves between items on the same level. ▲ selects		⏮ scrolls between values ▲ selects	
MODULE CONFIG MENU		SLOT 1 MODULE: XXXXXXXXXXXXXXXXXX	Displays the contents of each slot. For a listing of modules in common configuration types, see "Module Configuration Menu" on page 3-20
		SLOT 2 MODULE: XXXXXXXXXXXXXXXXXX	
		SLOT 3 MODULE: XXXXXXXXXXXXXXXXXX	
SELECT USER MODE:		A	Selects User A
		B	Selects User B
COPY USERS	COPY PRESETS	A→B	Copies only the preset settings from the User A to User B
		A←B	Copies only the preset settings from the User B to User A
	COPY PARAMETERS	A→B	Copies the parameter defaults from User A to User B
		A←B	Copies the parameter defaults from User B to User A
	COPY ALL	A→B	Copies preset settings and parameter defaults from User A to User B
		A←B	Copies preset settings and parameter defaults from User B to User A
PROTOCOL MODE:		STANDARD	Factory default setting
		REDUCED	Optional protocol (under development)
		FLAT	Optional protocol (under development)
CROSSLOAD FIRMWARE:		NO	Safe setting
		YES	Uploads fixture software to all other x.SpotXtreme fixtures on the link

Test Options Menu

Level 2	Level 3	Level 4	Option/Setting	Description/Notes
▼ enters and exits Menu System and moves up levels ◀ moves between items on the same level. ▲ selects			⬆ scrolls between values ▲ selects	
HOME FIXTURE:			ALL	Homes all fixture functions
			COLOR	Homes an individual fixture function
			GOBO	
			BEAM	
			PAN/TILT	
			DIMMING	
LAMP STATE:			ON	Indicates or turns lamp on
			OFF	Indicates or turns lamp off
COPY BOOT:			NO	Does nothing when selected
			YES	Copies boot code to fixture
SELF TEST MENU	CHASSIS TEST MENU	PAN	Displays the steps and DMX values as a self test for the selected function runs in the format: STEP ## DMX:###	
		TILT		
		DIM		
		FROST		
		FOCUS		
		ZOOM		
		STATIC COLOR		
	SLOT 1 TEST MENU	CYAN		
		MAGENTA		
		YELLOW		
		CTO		
		CTB		
	SLOT 2 TEST MENU	GOBO 1		
		GOBO 1 ROTATE		
		EFFECTS		
		EFFECTS ROTATE		
	SLOT 3 TEST MENU	GOBO 2		
GOBO 2 ROTATE				
IRIS				
ALL			Performs and displays all self test functions sequentially	

Information Menu

Level 2	Level 3	Level 4	Level 5	Option/Setting	Description/Notes
▼ enters and exits Menu System and moves up levels ◀ moves between items on the same level. ▲ selects				⬇ scrolls between values ▲ selects	
SENSOR STATUS MENU	PAN ENCODER ###				Displays absolute position of Pan
	TILT ENCODER #####				Displays absolute position of Tilt
UNIQUE NUMBER #####					Displays fixture's unique 10-character number
DMX VALUES MENU	BY CHANNEL			1:### ### ## 4:### ### ## 7 ### ### ## 10:### ### ## ###:### ## ## ###:### ## ##	Displays current values for Channels 001– 512 and 6 DMX values/screen. The number at the beginning of each line indicates the first channel with a value displayed on that line.
	BY PARAMETER		CHASSIS PARAMETERS MENU	DMX BREAKS #### DMX FRAMING ERR ### DMX OVERRUN ERR ### DMS START CHANNEL ### PAN COURSE ### PAN FINE ### TILT COARSE ### TILT FINE ## LAMP CONTROL ### SHUTTER ### DIM ### FROST ### FOCUS CONTROL ###	

Information Menu

Level 2	Level 3	Level 4	Level 5	Option/Setting	Description/Notes
▼ enters and exits Menu System and moves up levels ◀▶ moves between items on the same level. ▲ selects				⬆ scrolls between values ▲ selects	
DMX VALUES MENU	BY PARAMETER	SLOT1 PARAMETERS	STATIC COLOR FUNCTION ###	Displays one parameter per screen with current DMX value below it.	
			STATIC COLOR POSITION ###		
			MIX COLOR FUNCTION ###		
			MIX COLOR POSITION ###		
			CYAN ###		
			MAGENTA ###		
			YELLOW ###		
			CTO ###		
			CTB ###		
			GOBO 1 FUNCTION ###		Displays one parameter per screen with current DMX value below it.
		GOBO 1 POSITION ###			
		GOBO 1 ROTATE FUNCTION ###			
		GOBO 1 ROTATE COARSE ###			
		GOBO 1 ROTATE FINE ###			
		EFFECTS FUNCTION ###			
		EFFECTS POSITION ###			
		EFFECTS ROTATE FUNCTION ###			
		EFFECTS ROTATE COARSE ###			
		EFFECTS ROTATE FINE ###			

Information Menu

Level 2	Level 3	Level 4	Level 5	Option/Setting	Description/Notes	
▼ enters and exits Menu System and moves up levels ◀ moves between items on the same level. ▲ selects				⬇ scrolls between values ▲ selects		
DMX VALUES MENU	BY PARAMETER	SLOT3 PARAMETERS	GOGO 2 FUNCTION ###		Displays one parameter per screen with current DMX value below it.	
			GOGO 2 POSITION ###			
			GOGO 2 ROTATE FUNCTION ###			
			GOGO 2 ROTATE COARSE ###			
			GOGO 2 ROTATE FINE ###			
			IRIS			
TEMPERATURES MENU	CURRENT TEMPERATURE			TOPBOX: ###C	Displays current temperature of selected sensor in centigrade	
				HEAD 1: ###C		
				HEAD 2: ###C		
	MAXIMUM TEMPERATURE					TOPBOX: ###C
						HEAD 1: ###C
	MINIMUM TEMPERATURE					TOPBOX: ###C
						HEAD 1: ###C
TEMPERATURES RESET				NO	Default "safe" setting	
				YES	Press Enter for 5 seconds to reset all four sensors to current temperature	
FAN SPEED MENU				TOPBOX 1: ###RPS	Indicates the speed of selected fan in revolutions per second	
				TOPBOX 2: ###RPS		
				HEAD 1: ###RPS		
				HEAD 2: ###RPS		
				OPTICS: ###RPS		
FIXTURE HOURS:	###:##				Displays fixture operation time in hours:minutes	
FIXTURE HOURS RESET:				NO	Default "safe" setting	
				YES	Press Enter for 5 seconds to reset fixture hours to 0	
LAMP HOURS:	###:##				Displays lamp operation time in hours:minutes	
LAMP STRIKES:	####				Displays current number of lamp strikes	

Information Menu

Level 2	Level 3	Level 4	Level 5	Option/Setting	Description/Notes
▼ enters and exits Menu System and moves up levels ◀ moves between items on the same level. ▲ selects				⬇ scrolls between values ▲ selects	
LAMP HR/STRIKE RESET: ###				NO	Default "safe" setting
				YES	Press Enter for 5 seconds to reset fixture hours to 0
LAMP STATUS:	LAMP OFF				Displays current lamp status
	LAMP ON				
	LAMP STRIKING				
	LAMP ERROR				
SOFTWARE VERSION:	V ##.##.###				Major.Minor.Build
MODULE VERSION MENU	PAN HW:# SW:#				Displays the Hardware and Software versions for each logic board in the fixture.
	TILT HW:# SW:#				
	FOCUS/FROST/ZOOM HW:# SW:#				
	SLOT 1A HW:# SW:#				
	SLOT 1B HW:# SW:#				
	SLOT 2A HW:# SW:#				
	SLOT 2B HW:# SW:#				
	SLOT 3A HW:# SW:#				
SLOT 3B HW:# SW:#					
DISPLAY ERRORS MENU	XXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXX				Scrolls through errors displayed in 2-line, 16-character format
CHANNELS NEEDED:	##				Displays channel range for current configuration (38 for standard x.SpotXtreme)
NEXT DMX CHANNEL:	##				(Current start channel + channels needed+1)

