# Studio Spot® 575/575 Zoom Menu System

| Level 1 | Level 2 | Level 3 | Level 4 | Option/ Display Range | Description |
|---------|---------|---------|---------|----------------------|-------------|
| AddR | | | | F###/C### | Change existing Fixture number or DMX start channel *(Menu option selected in INFO/DMx/FIxT/SRCE)* |
| INFO | LAMP | | | LON LOFF STRK | DIsplays Lamp State as ON, OFF or attempting to STRIKE. |
| | L/HR | | | #### | Displays current lamp hours ## and minutes ## |
| | L/ST | | | #### | Displays number of lamp strikes |
| | VER | | | #### | Displays fixture's software version |
| | L/RS | | | HOLd-0000 | Press and hold the <Enter> button until the display shows "0000" to reset lamp hours to zero |
| | F/HR | | | H### M ## | Displays total hours and minutes the fixture has run |
| | F/RS | | | HOLd 0000 | Press and hold the <Enter> button until the display shows "0000" to reset fixture hours to zero |
| | TEMP | CURR | | ###C | Displays current internal temperature in centigrade |
| | | MINT | | ###C | Displays minimum internal temperature in centigrade |
| | | MAxT | | ###C | Displays maximum internal temperature in centigrade |
| | | RST | | HOLd 0000 | Press and hold the <Enter> button until the display shows "0000" to reset min and max temp to zero |
| | dMx | FIxT | ERRS | #### | Displays DMX errors |
| | | | CNTL | 0001-0255 | Displays Control channel DMX value |
| | | | MACR | 0001-0255 | Displays Macro DMX value |
| | | | MSPd | 0001-0255 | Displays MSpeed DMX value |
| | | | dIM | 0001-0255 | Displays Dim DMX value |
| | | | SHUT | 0001-0255 | Displays Shutter DMX value |
| | | | IRIS | 0001-0255 | Displays Iris DMX value |
| | | | FCUS | 0001-0255 | Displays Focus DMX value |
| | | | FRST | 0001-0255 | Displays Frost DMX value *(Displays Zoom DMX value in models with zoom lens)* |
| | | | LR2L | 0001-0255 | Displays Litho wheel 2 rotation DMX value (low byte) |
| | | | LR2H | 0001-0255 | Displays Litho wheel 2 rotation DMX value (high byte) |
| | | | LT2 | 0001-0255 | Displays Litho wheel 2 aperture position DMX value |
| | | | LTC2 | 0001-0255 | Displays Litho wheel 2 control channel DMX value |
| | | | LR1L | 0001-0255 | Displays Litho wheel 1 rotation DMX value (low byte) |
| | | | LR1H | 0001-0255 | Displays Litho wheel 1 rotation DMX value (high byte) |
| | | | LT1 | 0001-0255 | Displays Litho wheel 1 aperture position DMX value |
| | | | LTC1 | 0001-0255 | Displays Litho wheel 1 control channel DMX value |
| | | | CO2 | 0001-0255 | Displays Color wheel 2 position DMX value |

| Level 1 | Level 2 | Level 3 | Level 4 | Option/ Display Range | Description |
|---|---|---|---|---|---|
| INFO (cont.) | dMx (cont.) | FlxT (cont.) | CO2C | 0001-0255 | Displays Color wheel 2 control channel DMX value |
| | | | CO1 | 0001-0255 | Displays Color wheel 1 position DMX value |
| | | | CO1C | 0001-0255 | Displays Color wheel 1 control channel DMX value |
| | | | TLTL | 0001-0255 | Displays Tilt DMX value (low byte) |
| | | | TLTH | 0001-0255 | Displays Tilt DMX value (high byte) |
| | | | PANL | 0001-0255 | Displays Pan DMX value (low byte) |
| | | | PANH | 0001-0255 | Displays Pan DMX value (high byte) |
| | | | STRT | 0001-0255 | Displays Start code |
| | | | CE | | Not used |
| | | | SRCE | LINK PRST | Indicates the fixture data source |
| | | | OV | #### | Displays overrun errors |
| | | | FE | #### | Displays framing errors |
| | | dATA | C001 - C512 | 0001-0255 | Displays current DMX value of the selected Channel |
| | SENS | PPOS | | #### | Checks that the pan position sensor is functioning (A working sensor will change value in the display as the pan position of fixture head is manually changed) |
| | | TPOS | | #### | Checks that the tilt position sensor is functioning (A working sensor will change value in the display as the pan position of fixture head is manually changed) |
| | | SENP | | ON OFF | Displays pan homing tab sensor status |
| | | SENT | | ON OFF | Displays tilt homing tab sensor status |
| | | COL | | ON OFF | Displays color wheel homing tab sensor status |
| | | LT1 | | ON OFF | Displays litho wheel 1 homing tab sensor status |
| | | LT2 | | ON OFF | Displays the litho wheel 2 homing tab sensor status |
| | | SVCC | | ON OFF | Displays power- to-sensor status |
| TEST | HOME | | | | Homes the fixture |
| | ENCd | | | ON | Turns on power to the encoders |
| | | | | OFF | Disables the encoders for servicing |
| | S/UP | | | SET NOW | Places the fixture in setup mode for mechanical homing. (Press menu button to exit.) |
| | SELF (Lamp strikes automatically to perform tests.) | | | ALL | Tests all constructs |
| | | | | PAN | Tests shutter strobe movement |
| | | | | TILT | Tests iris movement |
| | | | | CO1 | Tests focus lens movement |
| | | | | CO2 | Tests frost flag (Tests lens in models w/ Zoom option) |
| | | | | LT1 | Tests litho wheel 2 rotation |
| | | | | LT2 | Tests litho wheel 1 rotation |

| Level 1 | Level 2 | Level 3 | Level 4 | Option/ Display Range | Description |
|---|---|---|---|---|---|
| TEST (cont.) | SELF (cont.) | | | FTST | Tests litho wheel 2 movement |
| | | | | FCUS | Tests litho wheel 1 movement |
| | | | | IRIS | Tests color mixing wheel pair 2 movement |
| | | | | SHUT | Tests color mixing wheel pair 2 movement |
| | | | | dIM | Tests color mixing wheel pair 1 movement |
| | bOOT | | | | Reboots the fixture |
| | LAMP | STAT | | ON OFF | Displays the current lamp status |
| | | LOFF | | | Extinguishes the lamp |
| | | LON | | | Strikes the lamp |
| | dISP | | | | Tests the alphanumeric LED display |
| MOdE | xLd | | | | Crossloads fixture software to all other Studio 575 Series fixtures on the link |
| | TYPE | | | COLR | Identifies the fixture as a Studio Color 575 |
| | | | | SPOT | Identifies the fixture as a Studio Spot 575 (Zoom and CMY features are automatically detected) |
| SET | FACT | | | ON | Sets factory defaults on |
| | | | | OFF | Current settings are overriding factory defaults |
| | LENS | | | NORM | Selects Standard lens option |
| | | | | ZOOM | Selects Zoom lens option |
| | dLOS | | | LONG | Shuts fixture down 3 minutes after DMX data loss |
| | | | | SHRT | Shuts fixture down 1 second after DMX data loss |
| | CHNL | | | AddR | Sets the Addressing method to fixture number |
| | | | | dMx | Sets the Addressing method to DMX start channel |
| | dSPL | | | ON | Turns the display on |
| | | | | OFF | Turns the display off |
| | | | | dIM | Dims the display |
| | d/IN | | | ON | Selecting ON inverts the alphanumeric display orientation |
| | | | | OFF | |
| | P/IN | | | ON | Selecting ON inverts pan movment direction |
| | | | | OFF | |
| | T/IN | | | ON | Selecting ON inverts tilt movement direction |
| | | | | OFF | |
| | SWAP | | | ON | Selecting ON swaps pan and tilt movement |
| | | | | OFF | |
| | S/dN | | | 5 MN | Sets shutdown time for 5 minutes |
| | | | | 10 MN | Sets shutdown time for 10 minutes |
| | COdE | | | | FACTORY USE ONLY |
| PRST | PLAY | | | ON | Starts playback |
| | | | | OFF | Stops playback |
| | | | | SCN | Displays which scene is playing |
| | SENd | | | OK? | Crossloads all presets to other Studio Spot fixtures on the link. |
| | dFLT | | | OK? | Enables the factory-programmed preset scene sequence (self-demo) / erases any preset scenes previously programmed |

| Level 1 | Level 2 | Level 3 | Level 4 | Option/ Display Range | Description |
|---|---|---|---|---|---|
| PRST (cont.) | CAPT | | | SN01-SN16 | Captures a snapshot of DMX data being received and stores it in the selected scene. |
| | COPY | FROM | | F00-F16 | Selects a scene to copy from (source scene) |
| | | TO | | T00-T16 | Selects a scene to copy to (destination scene) |
| | EdIT (cont.) | SN01-SN16 (cont.) | SHUT | OPEN | Fully opens the shutter |
| | | | | CLSd | Closes the shutter |
| | | | | P 01–P 32 | Strobes the shutter at specified periodic intervals from slow (P 01) to fast (P 32) |
| | | | | N 01–N 32 | Strobes the shutter at random intervals from slow (N 01) to fast (N 32) |
| | | | | RS01–RS32 | Snaps shutter open, ramps shut slow (RS01) to fast (RS32) |
| | | | | SR01–SR32 | Ramps shutter open from slow (SR01) to fast (SR32), then snaps shutter closed |
| | | | | NS0–NS32 | Snaps shutter open randomly, then ramps closed from slow (NS01) to fast (NS32) |
| | | | | NR0–NR32 | Ramps shutter ramp open randomly, from slow (NR01) to fast (NR32), then snaps shutter closed |
| | | | dIM | d000–d255 | Selects a dim value from dark (d000) to bright (d255) |
| | | | PAN | -185–+185 | Selects a pan value in degrees |
| | | | TILT | -112–+112 | Selects a tilt value in degrees |
| | | | CO1C (Color Wheel 1 Function) | Idx | Color Wheel 1 snaps to whole and half colors. |
| | | | | FSP | Color Wheel 1 spins forward at a variable speed. |
| | | | | RSP | Color Wheel 1 spins in reverse at a variable speed. |
| | | | | CON | Color Wheel 1 rotates continually (0-360°). |
| | | | | FSC | Fast scaning between whole and half colors. |
| | | | | SSC | Slow scaning between whole and half colors. |
| | | | | RNd | Randomly selects colors at variable speeds. |
| | | | CO1C (Color Wheel 1 Function) | bLK | Blink mode closes dim flags between color changes. |
| | | | | MIdx | Same as Idx with MSpeed |
| | | | | MFSP | Same as FSP with MSpeed |
| | | | | MRSP | Same as RSP with MSpeed |
| | | | | MCON | Same as CON with Mspeed |
| | | | | MFSC | Same as FSC with MSpeed |
| | | | | MSSC | Same as SSC with MSpeed |
| | | | | MRNd | Same as RNd with MSpeed |
| | | | | MbLK | Same as bLK with MSpeed |
| | | | CO1 (Color Wheel 1 Position) | C1-C6 | Selects colors 1 to 6 (C01C=Idx) |
| | | | | HC1-HC6 | Selects half-colors 1 to 6 (C01C=Idx) |
| | | | | F000- F255 | Sets forward wheel spin speed from stop–fast (C01C=FSP) |
| | | | | R000- R255 | Sets reverse wheel spin speeds from slow–fast (C01C=RSP) |

| Level 1 | Level 2 | Level 3 | Level 4 | Option/Display Range | Description |
|---|---|---|---|---|---|
| PRST (cont.) | EdIT (cont.) | SN01-SN16 (cont.) | CO1 (Color Wheel 1 Position) | d000-d358 | Sets Wheel position in degrees (C01C=CON) |
| | | | | FC1-FC12 | Sets Wheel position with half colors (C01C=FSC) |
| | | | | MC1-MC12 | Sets Wheel position with half colors (C01C=MFSC) |
| | | | | N000-N255 | Selects random colors slow to fast (C01C=RNd) |
| | | | | b1- b6 | Selects whole color blink (C01C=bLK) |
| | | | | Hb1-Hb6 | Selects half-color blink (C01C=bLK) |
| | | | | C1- C36 | Selects colors 1–36 (C01C=Idx) (C02C=CMbd) |
| | | | | b1- b36 | Selects colors w/blink 1–36 (C0 =Idx) (C02C=CMbd) |
| | | | CO2C (Color Wheel 2 Function) | CMbd | Combined mode sets both Color Wheels to the same function *(see Table 4-2, "Colors Options in Combined Mode," on page 12)*. |
| | | | | Idx | Color Wheel 2 snaps to whole and half colors. |
| | | | | FSP | Color Wheel 2 spins forward at a variable speed. |
| | | | | RSP | Color Wheel 2 spins in reverse at a variable speed. |
| | | | | CON | Color Wheel 2 rotates continually (0-360°). |
| | | | | FSC | Fast scaning between whole and half colors. |
| | | | | SSC | Slow scaning between whole and half colors. |
| | | | | RNd | Randomly selects colors at variable speeds. |
| | | | | bLK | Blink mode closes dim flags between color changes. |
| | | | | MIdx | Same as Idx with MSpeed |
| | | | | MFSP | Same as FSP with MSpeed |
| | | | | MRSP | Same as RSP with MSpeed |
| | | | | MCON | Same as CON with Mspeed |
| | | | | MFSC | Same as FSC with MSpeed |
| | | | | MSSC | Same as SSC with MSpeed |
| | | | | MRNd | Same as RNd with MSpeed |
| | | | | MbLK | Same as bLK with MSpeed |
| | | | CO2 (Color Wheel 2 Position) | C1-C6 | Selects colors 1 to 6 (C01C=Idx) |
| | | | | HC1-HC6 | Selects half-colors 1 to 6 (C01C=Idx) |
| | | | | F000-F255 | Sets forward wheel spin speed from stop–fast (C01C=FSP) |
| | | | | R000- R255 | Sets reverse wheel spin speeds from slow–fast (C01C=RSP) |
| | | | | d000-d358 | Sets Wheel position in degrees (C01C=CON) |
| | | | | FC1-FC12 | Sets Wheel position with half colors (C01C=FSC) |
| | | | | MC1-MC12 | Sets Wheel position with half colors (C01C=MFSC) |
| | | | | N000-N255 | Selects random colors slow to fast (C01C=RNd) |
| | | | | b1- b6 | Selects whole color blink (C01C=bLK) |
| | | | | Hb1-Hb6 | Selects half-color blink (C01C=bLK) |

| Level 1 | Level 2 | Level 3 | Level 4 | Option/ Display Range | Description |
|---|---|---|---|---|---|
| PRST (cont.) | EdIT (cont.) | SN01-SN16 (cont.) | LTC1 (Litho Wheel 1 Function) | Idx | Snaps to selected aperture position at Full Speed |
| | | | | FSP | Spins Litho wheel forward at a variable speed. |
| | | | | RSP | Spins Litho wheel in reverse at a variable speed. |
| | | | | WSP | Litho Wheel 1 rotates continually (0-360°). |
| | | | | FSC | Fast scaning one full position on each side of the selected litho) at Full Speed. |
| | | | | RNd | Variable-speed random aperture position selection. |
| | | | | bKW | Closes dim flags between aperture position changes. |
| | | | | bKA | Closes dim flags between aperture rotation changes. |
| | | | | MIdx | Same as Idx with MSpeed |
| | | | | MFSP | Same as FSP with MSpeed |
| | | | | MRSP | Same as RSP with MSpeed |
| | | | | MWSP | Same as WSP with Mspeed |
| | | | | MFSC | Same as FSC with MSpeed |
| | | | | MRNd | Same as Rnd with MSpeed |
| | | | | MbKW | Same as bKW with MSpeed |
| | | | | MbKA | Same as bKA with MSpeed |
| | | | LT1 (Litho Wheel 1 Position) | L1-L6 | Selects litho position 1 - 6 at full or Mspeed (LTC1=Idx or MIdx) |
| | | | | LF1-LF6 | Sets forward wheel spin speed from stop–fast at full speed or Mspeed (LTC1=FSP or MFSP) |
| | | | | LR1-LR6 | Sets reverse wheel spin speeds from slow–fast (LTC1= RSP or MRSP) |
| | | | | SC1-SC6 | Selects litho position from 1-6 to scan at full or Mspeed. (LTC1= FSC or MFSC) |
| | | | | bW1-bW6 | Selects litho position with blink between position change or aperture rotation change at full speed or Mspeed. (LTC1= FSP, WFSP, WSP, or MWSP) |
| | | | | RANd | A litho position cannot be assigned when LTC1 = RNd |
| | | | | WSPN | A litho position cannot be assigned when LTC1 = WSP |
| | | | LTR1 (Litho Wheel 1 Rotation) | d000-d358 | Rotates a selected aperture to a position from 0 to 360° at full speed or Mspeed (LTC1 = Idx, bKW, bKA, MIdx, MbKW, or MbKA) |
| | | | | F000-F255 | Set forward aperture rotation speed from stop (F000) to fast (F255) at full speed or Mspeed (LTC1=FSP or MFSP) |
| | | | | R000- R255 | Set reverse aperture rotation speed from stop (R000) to fast (R255) at full speed or Mspeed (LTC1=RSP or MRSP) |
| | | | | S000-S255 | Sets fast scan speed from slow (S000) to fast (S255) to fast at full speed or Mspeed (LTC1=FSC or MRNd) |
| | | | | N000-N255 | Sets a pause time between random litho selections from stop (N000) to fast (N255) (LTC1= RNd or MRNd) |

| Level 1 | Level 2 | Level 3 | Level 4 | Option/ Display Range | Description |
|---|---|---|---|---|---|
| PRST (cont.) | EdIT (cont.) | SN01-SN16 (cont.) | LTR1 (Litho Wheel 1 Rotation) | WF01-WF99 | Sets wheel spin speed forward slow (WF01) to fast (WF99) at full speed or Mspeed ( LTC1= WSP or MWSP) |
| | | | | WR01-WR99 | Sets a litho wheel reverse spin speed from slow (WR01) to fast (WR99) at full speed or Mspeed (LTC1 = WSP or MWSP) |
| | | | LTC2 (Litho Wheel 2 Control) | Idx | Snaps to selected aperture position at Full Speed |
| | | | | FSP | Spins Litho wheel forward at a variable speed. |
| | | | | RSP | Spins Litho wheel in reverse at a variable speed. |
| | | | | WSP | Litho Wheel 1 rotates continually (0-360°). |
| | | | | FSC | Fast scanning one full position on each side of the selected litho) at Full Speed. |
| | | | | RNd | Variable-speed random aperture position selection. |
| | | | | bKW | Closes dim flags between aperture position changes. |
| | | | | bKA | Closes dim flags between aperture rotation changes. |
| | | | | MIdx | Same as Idx with MSpeed |
| | | | | MFSP | Same as FSP with MSpeed |
| | | | | MRSP | Same as RSP with MSpeed |
| | | | | MWSP | Same as WSP with Mspeed |
| | | | | MFSC | Same as FSC with MSpeed |
| | | | | MRNd | Same as Rnd with MSpeed |
| | | | | MbKW | Same as bKW with MSpeed |
| | | | | MbKA | Same as bKA with MSpeed |
| | | | LT2 (Litho Wheel 2 Position) | L1-L6 | Selects litho position 1 - 6 at full or Mspeed (LTC2=Idx or MIdx) |
| | | | | LF1-LF6 | Sets forward wheel spin speed from stop–fast at full speed or Mspeed (LTC2=FSP or MFSP) |
| | | | | LR1-LR6 | Sets reverse wheel spin speeds from slow–fast (LTC2= RSP or MRSP) |
| | | | | SC1-SC6 | Selects litho position from 1-6 to scan at full or Mspeed. (LTC2= FSC or MFSC) |
| | | | | bW1-bW6 | Selects litho position with blink between position change or aperture rotation change at full speed or Mspeed. (LTC2= FSP, WFSP,  WSP, or MWSP) |
| | | | | RANd | A litho position cannot be assigned when LTC2 = RNd |
| | | | | WSPN | A litho position cannot be assigned when LTC2 = WSP |

| Level 1 | Level 2 | Level 3 | Level 4 | Option/ Display Range | Description |
|---|---|---|---|---|---|
| PRST (cont.) | | | LTR2 (Litho Wheel 2 Rotation) | d000-d358 | Rotates a selected aperture to a position from 0 to 360° at full speed or Mspeed (LTC2 = Idx, bKW, bKA, MIdx, MbKW, or MbKA) |
| | | | | F000-F255 | Set forward aperture rotation speed from stop (F000) to fast (F255) at full speed or Mspeed (LTC2=FSP or MFSP) |
| | | | | R000- R255 | Set reverse aperture rotation speed from stop (R000) to fast (R255) at full speed or Mspeed (LTC21=RSP or MRSP) |
| | | | | S000-S255 | Sets fast scan speed from slow (S000) to fast (S255) to fast at full speed or Mspeed (LTC2=FSC or MRNd) |
| | | | LTR2 (Litho Wheel 2 Rotation) | N000-N255 | Sets a pause time between random litho selections from stop (N000) to fast (N255) (LTC2= RNd or MRNd) |
| | | | | WF01-WF99 | Sets wheel spin speed forward slow (WF01) to fast (WF99) at full speed or Mspeed ( LTC2= WSP or MWSP) |
| | | | | WR01-WR99 | Sets a litho wheel reverse spin speed from slow (WR01) to fast (WR99) at full speed or Mspeed (LTC2 = WSP or MWSP) |
| | | | FCUS | 0 - 255 | Adjusts focus (Sets Zoom in fixtures with Zoom lens) |
| | | | IRIS | OPEN | Opens iris fully |
| | | | | F001 - F127 | Adjusts  iris |
| | | | | P1 - P15 | Sets periodic strobe speed effect |
| | | | | R1 - R15 | Selects random strobe speed effect |
| | | | | RS1 - RS15 | Ramps iris open and snaps shut |
| | | | | SR1 - SR15 | Snaps iris open and Ramps shut |
| | | | | NR1 - NR15 | Ramps iris open randomly and snaps shut |
| | | | | NS1 - NS15 | Snaps iris open and ramps shut |
| | | | MSPd | 0.15 - 252.7 | Selects an MSpeed value in decimal seconds from fast (0.15) to slow (252.7) |
| | | | MACR | MROF | Sets the macro option off |
| | | | | MR01 - MR8 | Selects a factory-programmed macro from 1 to 8 |
| | | | xFAd | x0.1 - x9.9 | Selects the dIM and FCUS construct's crossfade time in increments of 0.1 |
| | | | | x10 - x166 | Selects the dIM and FCUS construct's crossfade time in increments of 1.0 |
| | | | dLAY | x0.1 - x9.9 | Selects the scene delay time in increments of 0.1 |
| | | | | x10 - x166 | Selects the scene delay time in increments of 1.0 |
| | | | TIME | SEC | Selects seconds as the units of time used for the xFAd and dLAY constructs |
| | | | | MIN | Selects minutes as the units of time used for the xFAd and dLAY constructs |
| | | | | HOUR | Selects hours as the units of time used for the xFAd and dLAY constructs |