



RS232 Protocol Function List

Baud Rate : 19200
 Data Bits: 8
 Parity: None
 Stop Bits: 1
 Flow Control : None
 UART16550 FIFO: Disable

Note: It supports data rates from 9600 to 115200 bps. The default is 19200 bps. Depending on the equipment, a lower baud rate may be recommended for long cable runs.

Write Command

| | | | | | | | | |
|-----------|-------------------------------|---|---------|---|---|-------|----------|-----------------|
| ~ | X | X | X | X | X | | n | CR |
| Lead Code | Projector ID | | Command | | | space | variable | carriage return |
| Prefix | 00~99 (00: All projectors) | | 000~999 | | | | 0~9999 | suffix |

Response Format

Pass: Fail:

Read Command

| | | | | | | | | |
|-----------|-------------------------------|---|---------|---|---|-------|----------|-----------------|
| ~ | X | X | X | X | X | | n | CR |
| Lead Code | Projector ID | | Command | | | space | variable | carriage return |
| Prefix | 00~99 (00: All projectors) | | 000~999 | | | | 0~9999 | suffix |

Response Format

Pass: Fail:

System Automatically Send

| | | | | |
|---|---|---|---|----------|
| I | N | F | O | n |
| | | | | variable |

Note: There is a <CR> after all ASCII commands. 0D is the HEX code for <CR> in ASCII code.

Character to HEX table

| Character | HEX |
|------------|-----|
| ~ | 7E |
| 0 | 30 |
| 1 | 31 |
| 2 | 32 |
| 3 | 33 |
| 4 | 34 |
| 5 | 35 |
| 6 | 36 |
| 7 | 37 |
| 8 | 38 |
| 9 | 39 |
| Space | 20 |
| CR (Enter) | 0D |

e.g.

ASCII to HEX

| | | | | | | | | | |
|---------------|----|----|----|----|----|----|----|----|----|
| RS232 Command | ~ | 0 | 0 | 1 | 9 | 5 | | 1 | CR |
| HEX | 7E | 30 | 30 | 31 | 39 | 35 | 20 | 31 | 0D |

Display Menu

| Submenu Level 1 | Level 2 | Level 3 | Level 4 | Value | Write Command | Space | Set Parameter | Fail | Pass | Read Command | Space | Command Value | Fail | Reply Parameter | |
|-----------------|--------------|---------------|------------------|---------------|---------------|--------|---------------|-------|--------|--------------|-------|---------------|-------|-----------------|--|
| Image Settings | Display Mode | | | [No Signal] | | | | | | ~XX123 | | 1 | F O k | 0 | |
| | | | | Presentation | ~XX20 | | 1 | F P | | ~XX123 | | 1 | F O k | 1 | |
| | | | | Bright | ~XX20 | | 2 | F P | | ~XX123 | | 1 | F O k | 2 | |
| | | | | Super Bright | ~XX20 | | 23 | | | | | | | | |
| | | | | Cinema | ~XX20 | | 3 | F P | | ~XX123 | | 1 | F O k | 3 | |
| | | | | HDR | ~XX20 | | 21 | F P | | ~XX123 | | 1 | F O k | 21 | |
| | | | | sRGB | ~XX20 | | 4 | F P | | ~XX123 | | 1 | F O k | 4 | |
| | | | | DICOM SIM. | ~XX20 | | 13 | F P | | ~XX123 | | 1 | F O k | 10 | |
| | | | | Blending | ~XX20 | | 19 | F P | | ~XX123 | | 1 | F O k | 19 | |
| | | | | 2D High Speed | ~XX20 | | 18 | F P | | ~XX123 | | 1 | F O k | 18 | |
| | | | | User | ~XX20 | | 5 | F P | | ~XX123 | | 1 | F O k | 5 | |
| | | | 3D | ~XX20 | | 9 | F P | | ~XX123 | | 1 | F O k | 9 | | |
| | | Wall Color | | | Off | ~XX506 | | 0 | F P | | | | | | |
| | | | | | Blackboard | ~XX506 | | 1 | F P | | | | | | |
| | | | | | Light Yellow | ~XX506 | | 7 | F P | | | | | | |
| | | | | | Light Green | ~XX506 | | 3 | F P | | | | | | |
| | | | | | Light Blue | ~XX506 | | 4 | F P | | | | | | |
| | | | | | Pink | ~XX506 | | 5 | F P | | | | | | |
| | | Dynamic Range | HDR | | Off | ~XX565 | | 0 | F P | | | | | | |
| | | | | | Auto | ~XX565 | | 1 | F P | | | | | | |
| | | | HDR Picture Mode | | Bright | ~XX566 | | 0 | F P | | | | | | |
| | | | | | Standard | ~XX566 | | 1 | F P | | | | | | |
| | | | | | Film | ~XX566 | | 2 | F P | | | | | | |
| | | | | Detail | ~XX566 | | 3 | F P | | | | | | | |
| | | Brightness | | | - | ~XX46 | | 1 | F P | | | | | | |
| | | | | | 0~100 | ~XX21 | | 0~100 | F P | ~XX125 | | 1 | F O k | 0~100 | |
| | | | | | + | ~XX46 | | 2 | F P | | | | | | |
| | | Contrast | | | - | ~XX47 | | 1 | F P | | | | | | |
| | | | | | 0~100 | ~XX22 | | 0~100 | F P | ~XX126 | | 1 | F O k | 0~100 | |
| | | | | | + | ~XX47 | | 2 | F P | | | | | | |
| | | Sharpness | | | 1 ~ 15 | ~XX23 | | 1~15 | F P | | | | | | |
| | | Color | | | 0~100 | ~XX45 | | 0~100 | F P | | | | | | |
| | | Tint | | | 0~100 | ~XX44 | | 0~100 | F P | | | | | | |

Note: Some commands are not supported depending on the model.

| Submenu Level 1 | Level 2 | Level 3 | Level 4 | Value | Write Command | Space | Set Parameter | Fail | Pass | Read Command | Space | Command Value | Fail | Reply Parameter | | |
|-----------------|----------------|-----------------|-------------------|----------------|---------------------------|-------|---------------|------|-------|--------------|--------|---------------|------|-----------------|-------|--|
| Image Settings | Gamma | Film | | | ~XX35 | | 1 | F | P | | | | | | | |
| | | Video | | | ~XX35 | | 2 | F | P | | | | | | | |
| | | Graphics | | | ~XX35 | | 3 | F | P | | | | | | | |
| | | Standard(2.2) | | | ~XX35 | | 4 | F | P | | | | | | | |
| | | 3D | | | | | | | | | | | | | | |
| | | Blackboard | | | | | | | | | | | | | | |
| | | DICOM SIM. | | | | ~XX35 | | 11 | F | P | | | | | | |
| | | 1.8 | | | | ~XX35 | | 5 | F | P | | | | | | |
| | | 2.0 | | | | ~XX35 | | 6 | F | P | | | | | | |
| | | 2.4 | | | | ~XX35 | | 12 | F | P | | | | | | |
| | Color Settings | BrilliantColor™ | | | 0~10 | ~XX34 | | 0~10 | F | P | | | | | | |
| | | | Color Temperature | | Warm | ~XX36 | | 4 | F | P | ~XX128 | | 1 | F | O k 3 | |
| | | | | | Standard | ~XX36 | | 1 | F | P | ~XX128 | | 1 | F | O k 0 | |
| | | | | Cool | ~XX36 | | 2 | F | P | ~XX128 | | 1 | F | O k 1 | | |
| | | Color Matching | | Color | R / G / B / C / Y / M / W | | | | | | | | | | | |
| | | | | (R) Hue | 0~254 | | ~XX327 | | 0~254 | F | P | | | | | |
| | | | | (R) Saturation | 0~254 | | ~XX333 | | 0~254 | F | P | | | | | |
| | | | | (R) Gain | 0~254 | | ~XX339 | | 0~254 | F | P | | | | | |
| | | | | (G) Hue | 0~254 | | ~XX328 | | 0~254 | F | P | | | | | |
| | | | | (G) Saturation | 0~254 | | ~XX334 | | 0~254 | F | P | | | | | |
| | | | | (G) Gain | 0~254 | | ~XX340 | | 0~254 | F | P | | | | | |
| | | | | (B) Hue | 0~254 | | ~XX329 | | 0~254 | F | P | | | | | |
| | | | | (B) Saturation | 0~254 | | ~XX335 | | 0~254 | F | P | | | | | |
| | | | | (B) Gain | 0~254 | | ~XX341 | | 0~254 | F | P | | | | | |
| | | | | (C) Hue | 0~254 | | ~XX330 | | 0~254 | F | P | | | | | |
| | | | | (C) Saturation | 0~254 | | ~XX336 | | 0~254 | F | P | | | | | |
| | | | | (C) Gain | 0~254 | | ~XX342 | | 0~254 | F | P | | | | | |
| | | | | (M) Hue | 0~254 | | ~XX332 | | 0~254 | F | P | | | | | |
| | | | | (M) Saturation | 0~254 | | ~XX338 | | 0~254 | F | P | | | | | |
| | | | | (M) Gain | 0~254 | | ~XX344 | | 0~254 | F | P | | | | | |
| | | | | (Y) Hue | 0~254 | | ~XX331 | | 0~254 | F | P | | | | | |
| | | | | (Y) Saturation | 0~254 | | ~XX337 | | 0~254 | F | P | | | | | |
| | | | | (Y) Gain | 0~254 | | ~XX343 | | 0~254 | F | P | | | | | |
| | | | | (W) Red | 0~254 | | ~XX345 | | 0~254 | F | P | | | | | |
| | (W) Green | | 0~254 | | ~XX346 | | 0~254 | F | P | | | | | | | |
| | (W) Blue | 0~254 | | ~XX347 | | 0~254 | F | P | | | | | | | | |

Note: Some commands are not supported depending on the model.

| Submenu Level 1 | Level 2 | Level 3 | Level 4 | Value | Write Command | Space | Set Parameter | Fail | Pass | Read Command | Space | Command Value | Fail | Reply Parameter | | |
|-----------------|-------------------|--------------------|-------------|---------------------------|---------------|-------|---------------|------|--------|--------------|-------|---------------|------|-----------------|---|--|
| Image Settings | Color Settings | Color Matching | Reset | Cancel / Yes | ~XX215 | | 1 | F | P | | | | | | | |
| | | | Exit | | | | | | | | | | | | | |
| | | RGB Gain/Bias | Red Gain | 0~100 | ~XX24 | 0~100 | F | P | | | | | | | | |
| | | | Green Gain | 0~100 | ~XX25 | 0~100 | F | P | | | | | | | | |
| | | | Blue Gain | 0~100 | ~XX26 | 0~100 | F | P | | | | | | | | |
| | | | Red Bias | 0~100 | ~XX27 | 0~100 | F | P | | | | | | | | |
| | | | Green Bias | 0~100 | ~XX28 | 0~100 | F | P | | | | | | | | |
| | | | Blue Bias | 0~100 | ~XX29 | 0~100 | F | P | | | | | | | | |
| | | | Reset | Cancel / Yes | ~XX517 | 1 | F | P | | | | | | | | |
| | | | Exit | | | | | | | | | | | | | |
| | | Color Space | | Auto | ~XX37 | 1 | F | P | | | | | | | | |
| | | | | RGB | ~XX37 | 2 | F | P | | | | | | | | |
| | | | | YUV | ~XX37 | 3 | F | P | | | | | | | | |
| | | | | RGB(0~255) | ~XX37 | 2 | F | P | | | | | | | | |
| | | | RGB(16~235) | ~XX37 | 4 | F | P | | | | | | | | | |
| | Signal | Automatic | | 1 | ~XX91 | 3 | F | P | | | | | | | | |
| | | | | 2 | ~XX91 | 4 | F | P | | | | | | | | |
| | | Phase | | 0~31 (depends on signal) | ~XX74 | 0~31 | F | P | | | | | | | | |
| | | H. Position | | 0~100 (depends on signal) | ~XX75 | 0~100 | F | P | | | | | | | | |
| | | V. Position | | 0~100 (depends on signal) | ~XX76 | 0~100 | F | P | | | | | | | | |
| | Color Wheel Speed | | | 2X | ~XX547 | 1 | F | P | ~XX559 | | 1 | F | O | k | 2 | |
| | | | | 3X | ~XX547 | 2 | F | P | ~XX559 | | 1 | F | O | k | 3 | |
| | Extreme Black | | | Off | ~XX218 | 0 | F | P | | | | | | | | |
| | | | | On | ~XX218 | 1 | F | P | | | | | | | | |
| | Dynamic Black | | | Off | ~XX191 | 0 | F | P | | | | | | | | |
| | | | | On | ~XX191 | 1 | F | P | | | | | | | | |
| | Brightness Mode | Constant Power | | | ~XX110 | 6 | F | P | | | | | | | | |
| | | Constant Luminance | | | ~XX110 | 7 | F | P | | | | | | | | |
| | | Eco Mode | | | ~XX110 | 2 | F | P | | | | | | | | |
| | Power Level | | | 1 ~ 100 | ~XX326 | 1~100 | F | P | | | | | | | | |
| Reset | | | | ~XX509 | 1 | F | P | | | | | | | | | |
| 3D | 3D Mode | | | On | ~XX230 | 4 | F | P | | | | | | | | |
| | | | | Off | ~XX230 | 0 | F | P | | | | | | | | |

Note: Some commands are not supported depending on the model.

| Submenu Level 1 | Level 2 | Level 3 | Level 4 | Value | Write Command | Space | Set Parameter | Fail | Pass | Read Command | Space | Command Value | Fail | Reply Parameter |
|----------------------|----------------|---------|--------------|-------------------|---------------|-------|---------------|--------|------|--------------|-------|---------------|--------|-----------------|
| 3D | 3D Format | | | Auto | ~XX405 | 0 | F | P | | | | | | |
| | | | | Frame Packing | ~XX405 | 7 | F | P | | | | | | |
| | | | | Side by Side | ~XX405 | 1 | F | P | | | | | | |
| | | | | Top and Bottom | ~XX405 | 2 | F | P | | | | | | |
| | | | | Frame Sequential | ~XX405 | 3 | F | P | | | | | | |
| | 3D Tech | | | DLP-link | ~XX230 | 1 | F | P | | | | | | |
| | | | | 3D Sync | ~XX230 | 3 | F | P | | | | | | |
| | 3D-2D | | | 3D | ~XX400 | 0 | F | P | | | | | | |
| | | | | L | ~XX400 | 1 | F | P | | | | | | |
| | | | | R | ~XX400 | 2 | F | P | | | | | | |
| | 3D Sync Invert | | | Off | ~XX231 | 0 | F | P | | | | | | |
| | | | | On | ~XX231 | 1 | F | P | | | | | | |
| | 3D Sync Out | | | To Emitter | ~XX232 | 0 | F | P | | | | | | |
| | | | | To Next Projector | ~XX232 | 1 | F | P | | | | | | |
| L/R Reference | | | Field GPIO | ~XX236 | 0 | F | P | | | | | | | |
| | | | 1ST Frame | ~XX236 | 1 | F | P | | | | | | | |
| 3D Frame Delay | | | 1~200 | ~XX233 | 1~200 | F | P | | | | | | | |
| Reset | | | | ~XX234 | 1 | F | P | | | | | | | |
| Aspect Ratio | | | 4:3 | ~XX60 | 1 | F | P | ~XX127 | 1 | F | O | k | 1 | |
| | | | 16:9 | ~XX60 | 2 | F | P | ~XX127 | 1 | F | O | k | 2 | |
| | | | 16:10 | ~XX60 | 3 | F | P | ~XX127 | 1 | F | O | k | 3 | |
| | | | LBX | ~XX60 | 5 | F | P | ~XX127 | 1 | F | O | k | 5 | |
| | | | Native | ~XX60 | 6 | F | P | ~XX127 | 1 | F | O | k | 6 | |
| | | | Auto | ~XX60 | 7 | F | P | ~XX127 | 1 | F | O | k | 7 | |
| Edge Mask | | | 0 ~ 10 | ~XX61 | 0 ~ 10 | F | P | | | | | | | |
| Digital Zoom | H Zoom | | 50 ~ 400 (%) | ~XX504 | 50~400 | F | P | ~XX543 | 8 | F | O | k | 50~400 | |
| | V Zoom | | 50 ~ 400 (%) | ~XX505 | 50~400 | F | P | ~XX543 | 7 | F | O | k | 50~400 | |
| | Reset | | | | | | | | | | | | | |
| | Exit | | | | | | | | | | | | | |
| Image shift | (icon)H | | 0~100 | ~XX63 | 0~100 | F | P | ~XX543 | 1 | F | O | k | 0~100 | |
| | (icon)V | | 0~100 | ~XX64 | 0~100 | F | P | ~XX543 | 2 | F | O | k | 0~100 | |
| Geometric Correction | H Arc | | 0~100 | ~XX300 | 0~100 | F | P | ~XX543 | 6 | F | O | k | 0~100 | |
| | V Arc | | 0~100 | ~XX301 | 0~100 | F | P | ~XX543 | 5 | F | O | k | 0~100 | |

Note: Some commands are not supported depending on the model.

| Submenu Level 1 | Level 2 | Level 3 | Level 4 | Value | Write Command | Space | Set Parameter | Fail | Pass | Read Command | Space | Command Value | Fail | Reply Parameter |
|----------------------|------------------------|---------------|-----------|---------|---------------|--------|---------------|--------|--------|--------------|-------|---------------|------|-----------------|
| Geometric Correction | Four Corners | | Top-left | ~XX581 | 0~120 | F | P | | | | | | | |
| | | | | ~XX582 | 0~80 | F | P | | | | | | | |
| | | | | ~XX59 | 1 | F | P | | | | | | | |
| | | | | ~XX59 | 2 | F | P | | | | | | | |
| | | | | ~XX59 | 3 | F | P | | | | | | | |
| | | | | ~XX59 | 4 | F | P | | | | | | | |
| | | ~XX583 | 0~120 | F | P | | | | | | | | | |
| | | ~XX584 | 0~80 | F | P | | | | | | | | | |
| | | ~XX59 | 5 | F | P | | | | | | | | | |
| | | ~XX59 | 6 | F | P | | | | | | | | | |
| | | ~XX59 | 7 | F | P | | | | | | | | | |
| | | ~XX59 | 8 | F | P | | | | | | | | | |
| | | ~XX585 | 0~120 | F | P | | | | | | | | | |
| | | ~XX586 | 0~80 | F | P | | | | | | | | | |
| | | ~XX59 | 9 | F | P | | | | | | | | | |
| | | ~XX59 | 10 | F | P | | | | | | | | | |
| | ~XX59 | 11 | F | P | | | | | | | | | | |
| | ~XX59 | 12 | F | P | | | | | | | | | | |
| | ~XX587 | 0~120 | F | P | | | | | | | | | | |
| | ~XX588 | 0~80 | F | P | | | | | | | | | | |
| | ~XX59 | 13 | F | P | | | | | | | | | | |
| | ~XX59 | 14 | F | P | | | | | | | | | | |
| | ~XX59 | 15 | F | P | | | | | | | | | | |
| | ~XX59 | 16 | F | P | | | | | | | | | | |
| | H Keystone | | | 0~40 | ~XX65 | 0~40 | F | P | ~XX543 | 4 | F | O | k | 0~40 |
| | V Keystone | | | 0~40 | ~XX66 | 0~40 | F | P | ~XX543 | 3 | F | O | k | 0~40 |
| | Warp and Blend Control | PC Connection | | Yes | | | | | ~XX132 | 3 | F | O | k | 1 |
| | | | | No | | | | | ~XX132 | 3 | F | O | k | 0 |
| | | Settings | | All Off | ~XX142 | 0 | F | P | ~XX132 | 1 | F | O | k | 0 |
| | | | | All On | ~XX142 | 3 | F | P | ~XX132 | 1 | F | O | k | 3 |
| | | | Blend Off | ~XX142 | 4 | F | P | ~XX132 | 1 | F | O | k | 4 | |
| Memory | | | Off | ~XX147 | 0 | F | P | ~XX137 | 1 | F | O | k | 0 | |
| | | | User1 | ~XX147 | 1 | F | P | ~XX137 | 1 | F | O | k | 1 | |
| | | | User2 | ~XX147 | 2 | F | P | ~XX137 | 1 | F | O | k | 2 | |
| | User3 | ~XX147 | 3 | F | P | ~XX137 | 1 | F | O | k | 3 | | | |
| Reset | | | | ~XX561 | 1 | F | P | | | | | | | |

Note: Some commands are not supported depending on the model.

| Submenu Level 1 | Level 2 | Level 3 | Level 4 | Value | Write Command | Space | Set Parameter | Fail | Pass | Read Command | Space | Command Value | Fail | Reply Parameter | |
|-----------------|-------------|---------|---------|-------|------------------|--------|---------------|------|------|--------------|-------|---------------|------|-----------------|----|
| PIP/PBP | Screen | | | Off | ~XX302 | 0 | F | P | | | | | | | |
| | | | | PIP | ~XX302 | 1 | F | P | | | | | | | |
| | | | | PBP | ~XX302 | 2 | F | P | | | | | | | |
| | Location | | | | PIP-Bottom Right | ~XX303 | 4 | F | P | | | | | | |
| | | | | | PIP-Bottom Left | ~XX303 | 3 | F | P | | | | | | |
| | | | | | PIP-Top Left | ~XX303 | 1 | F | P | | | | | | |
| | | | | | PIP-Top Right | ~XX303 | 2 | F | P | | | | | | |
| | | | | | PBP, Main Left | ~XX303 | 5 | F | P | | | | | | |
| | | | | | PBP, Main Top | ~XX303 | 6 | F | P | | | | | | |
| | | | | | PBP, Main Right | ~XX303 | 7 | F | P | | | | | | |
| | | | | | PBP, Main Bottom | ~XX303 | 8 | F | P | | | | | | |
| | | Size | | | | Small | ~XX304 | 3 | F | P | | | | | |
| | | | | | Medium | ~XX304 | 2 | F | P | | | | | | |
| | | | | | Large | ~XX304 | 1 | F | P | | | | | | |
| | Main Source | | HDMI1 | | | ~XX12 | 1 | F | P | ~XX121 | 1 | F | O | k | 7 |
| | | | HDMI2 | | | ~XX12 | 15 | F | P | ~XX121 | 1 | F | O | k | 8 |
| | | | DVI-D | | | ~XX12 | 2 | F | P | ~XX121 | 1 | F | O | k | 1 |
| | | | VGA | | | ~XX12 | 5 | F | P | ~XX121 | 1 | F | O | k | 2 |
| | | | HDBaseT | | | ~XX12 | 21 | F | P | ~XX121 | 1 | F | O | k | 16 |
| | | | 3G-SDI | | | ~XX12 | 22 | F | P | ~XX121 | 1 | F | O | k | 18 |
| | Sub Source | | HDMI1 | | | ~XX305 | 1 | F | P | ~XX131 | 1 | F | O | k | 7 |
| | | | HDMI2 | | | ~XX305 | 4 | F | P | ~XX131 | 1 | F | O | k | 8 |
| | | | DVI-D | | | ~XX305 | 9 | F | P | ~XX131 | 1 | F | O | k | 1 |
| | | | VGA | | | ~XX305 | 2 | F | P | ~XX131 | 1 | F | O | k | 2 |
| | | | HDBaseT | | | ~XX305 | 10 | F | P | ~XX131 | 1 | F | O | k | 16 |
| | | | 3G-SDI | | | ~XX305 | 11 | F | P | ~XX131 | 1 | F | O | k | 17 |
| | Swap | | | | ~XX306 | 1 | F | P | | | | | | | |

Note: Some commands are not supported depending on the model.

Setup Menu

| Submenu Level 1 | Level 2 | Level 3 | Value | Write Command | Space | Set Parameter | Fail | Pass | Read Command | Space | Command Value | Fail | Reply Parameter | | | | |
|-----------------|-----------------------|--------------------|----------------------------|-----------------------------|--------|---------------|---------|------|--------------|-------|---------------|------|-----------------|---|---|--|--|
| Projection | | | Front | ~XX71 | | 1 | F | P | ~XX129 | | 1 | F | O | k | 0 | | |
| | | | Rear | ~XX71 | | 2 | F | P | ~XX129 | | 1 | F | O | k | 1 | | |
| | | | Ceiling-top | ~XX71 | | 3 | F | P | ~XX129 | | 1 | F | O | k | 2 | | |
| | | | Rear-top | ~XX71 | | 4 | F | P | ~XX129 | | 1 | F | O | k | 3 | | |
| Lens Settings | Zoom | | + | ~XX307 | | 1 | F | P | | | | | | | | | |
| | | | - | ~XX307 | | 2 | F | P | | | | | | | | | |
| | Focus | | + | ~XX308 | | 1 | F | P | | | | | | | | | |
| | | | - | ~XX308 | | 2 | F | P | | | | | | | | | |
| | Lens Function | | Lock | ~XX349 | | 1 | F | P | ~XX545 | | 4 | F | O | k | 0 | | |
| | | | Unlock | ~XX349 | | 2 | F | P | ~XX545 | | 4 | F | O | k | 1 | | |
| | Lens Shift | | Up | ~XX84 | | 3 | F | P | | | | | | | | | |
| | | | Down | ~XX84 | | 4 | F | P | | | | | | | | | |
| | | | Left | ~XX84 | | 5 | F | P | | | | | | | | | |
| | | | Right | ~XX84 | | 6 | F | P | | | | | | | | | |
| | Lens Calibration | Normal | | Yes | ~XX525 | | 1 | F | P | | | | | | | | |
| | | | | NO | ~XX525 | | 0 | F | P | | | | | | | | |
| | | UST | | Yes | ~XX525 | | 3 | F | P | | | | | | | | |
| | | | | NO | ~XX525 | | 0 | F | P | | | | | | | | |
| | | UST Pattern | | Off | | | | | | | | | | | | | |
| | | | | Pattern 1 | | | | | | | | | | | | | |
| | | | Pattern 2 | | | | | | | | | | | | | | |
| | | | Pattern 3 | | | | | | | | | | | | | | |
| Lens Memory | Apply Position | | 1~5 | ~XX359 | | 1~5 | F | P | | | | | | | | | |
| | Save Current Position | | 1~5 | ~XX360 | | 1~5 | F | P | | | | | | | | | |
| | Reset | | Yes/No | ~XX361 | | 1 | F | P | | | | | | | | | |
| Power Settings | Direct Power On | | Off | ~XX105 | | 0 | F | P | | | | | | | | | |
| | | | On | ~XX105 | | 1 | F | P | | | | | | | | | |
| | Signal Power On | | Off | ~XX113 | | 0 | F | P | | | | | | | | | |
| | | | On | ~XX113 | | 1 | F | P | | | | | | | | | |
| | Auto Power Off (min.) | | 0 ~ 180 (5 min increments) | ~XX106 | | 0~180 | F | P | | | | | | | | | |
| | Sleep Timer (min.) | Sleep Timer (min.) | | 0 ~ 990 (30 min increments) | ~XX107 | | 000~990 | F | P | | | | | | | | |
| Always On | | | No | ~XX507 | | 0 | F | P | | | | | | | | | |
| | | | Yes | ~XX507 | | 1 | F | P | | | | | | | | | |

Note: Some commands are not supported depending on the model.

| Submenu Level 1 | Level 2 | Level 3 | Value | Write Command | Space | Set Parameter | Fail | Pass | Read Command | Space | Command Value | Fail | Reply Parameter | | |
|--|-----------------------|----------------------------|----------------|---------------|---------|---------------|------|--------|--------------|-------|---------------|------|-----------------|---------|--|
| Power Settings | Power Mode (Standby) | | Eco | ~XX114 | 0 | | F | P | ~XX150 | 16 | | F | O | k 1 | |
| | | | Active | ~XX114 | 1 | | F | P | ~XX150 | 16 | | F | O | k 0 | |
| | | | Communications | ~XX114 | 3 | | F | P | ~XX150 | 16 | | F | O | k 3 | |
| Security | Security | | Off | ~XX78 | 0 ~nnnn | | F | P | | | | | | | |
| | | | On | ~XX78 | 1 ~nnnn | | F | P | | | | | | | |
| | Security Timer | Month | | ~XX537 | 00~12 | | F | P | ~XX544 | 1 | | F | O | k 00~12 | |
| | | Day | | ~XX538 | 00~29 | | F | P | ~XX544 | 2 | | F | O | k 00~29 | |
| Hour | | | ~XX539 | 00~23 | | F | P | ~XX544 | 3 | | F | O | k 00~23 | | |
| | MM/DD/HH (RS232 only) | | ~XX77 | MMDDHH | | F | P | | | | | | | | |
| Security | Change Password | | | | | | | | | | | | | | |
| Test Pattern | | | Off | ~XX195 | 0 | | F | P | | | | | | | |
| | | | Green Grid | ~XX195 | 3 | | F | P | | | | | | | |
| | | | Magenta Grid | ~XX195 | 4 | | F | P | | | | | | | |
| | | | White Grid | ~XX195 | 1 | | F | P | | | | | | | |
| | | | White | ~XX195 | 2 | | F | P | | | | | | | |
| | | | Black | ~XX195 | 11 | | F | P | | | | | | | |
| | | | Red | ~XX195 | 5 | | F | P | | | | | | | |
| | | | Green | ~XX195 | 6 | | F | P | | | | | | | |
| | | | Blue | ~XX195 | 7 | | F | P | | | | | | | |
| | | | Yellow | ~XX195 | 8 | | F | P | | | | | | | |
| | | Magenta | ~XX195 | 9 | | F | P | | | | | | | | |
| | | Cyan | ~XX195 | 10 | | F | P | | | | | | | | |
| Remote Settings [depends on remote] | IR Function | Front | Off | ~XX11 | 4 | | F | P | ~XX542 | 1 | | F | O | k 0 | |
| | | | On | ~XX11 | 5 | | F | P | ~XX542 | 1 | | F | O | k 1 | |
| | | Top | Off | ~XX11 | 6 | | F | P | ~XX542 | 2 | | F | O | k 0 | |
| | | | On | ~XX11 | 7 | | F | P | ~XX542 | 2 | | F | O | k 1 | |
| | | HDBaseT | Off | ~XX11 | 10 | | | | | | | | | | |
| | | | On | ~XX11 | 9 | | | | | | | | | | |
| | Remote Code | | 0~99 | ~XX350 | 00~99 | | F | P | | | | | O | k 00~99 | |
| Hot-Key Settings | | Aspect Ratio/Freeze Screen | ~XX117 | 1~2 | | F | P | | | | | | | | |
| 12V Trigger | | | Off | ~XX192 | 0 | | F | P | | | | | | | |
| | | | On | ~XX192 | 1 | | F | P | | | | | | | |
| ProService | | | | | | | | | | | | | | | |
| Projector ID | | | 0~99 | ~XX79 | 00~99 | | F | P | ~XX558 | 1 | | F | O | k 00~99 | |
| Keypad LED Settings | | | Off | ~XX362 | 0 | | F | P | | | | | | | |
| | | | On | ~XX362 | 1 | | F | P | | | | | | | |

Note: Some commands are not supported depending on the model.

| Submenu Level 1 | Level 2 | Level 3 | Value | Write Command | Space | Set Parameter | Fail | Pass | Read Command | Space | Command Value | Fail | Reply Parameter |
|-----------------|----------|-------------------|---------------|---------------|-------|---------------|------|------|--------------|-------|---------------|------|-----------------|
| Options | Language | | English | ~XX70 | 1 | F | P | | | | | | |
| | | | Deutsch | ~XX70 | 2 | F | P | | | | | | |
| | | | Français | ~XX70 | 3 | F | P | | | | | | |
| | | | Italiano | ~XX70 | 4 | F | P | | | | | | |
| | | | Español | ~XX70 | 5 | F | P | | | | | | |
| | | | Português | ~XX70 | 6 | F | P | | | | | | |
| | | | Polski | ~XX70 | 7 | F | P | | | | | | |
| | | | Nederlands | ~XX70 | 8 | F | P | | | | | | |
| | | | Svenska | ~XX70 | 9 | F | P | | | | | | |
| | | | Norsk/Dansk | ~XX70 | 10 | F | P | | | | | | |
| | | | Suomi | ~XX70 | 11 | F | P | | | | | | |
| | | | ελληνικά | ~XX70 | 12 | F | P | | | | | | |
| | | | 繁體中文 | ~XX70 | 13 | F | P | | | | | | |
| | | | 簡體中文 | ~XX70 | 14 | F | P | | | | | | |
| | | | 日本語 | ~XX70 | 15 | F | P | | | | | | |
| | | | 한국어 | ~XX70 | 16 | F | P | | | | | | |
| | | | Русский | ~XX70 | 17 | F | P | | | | | | |
| | | | Magyar | ~XX70 | 18 | F | P | | | | | | |
| | | | Čeština | ~XX70 | 19 | F | P | | | | | | |
| | | | ไทย | ~XX70 | 21 | F | P | | | | | | |
| | | Türkçe | ~XX70 | 22 | F | P | | | | | | | |
| | | Tiếng Việt | ~XX70 | 25 | F | P | | | | | | | |
| | | Bahasa Indonesia | ~XX70 | 26 | F | P | | | | | | | |
| | | Română | ~XX70 | 27 | F | P | | | | | | | |
| | | Slovakian | ~XX70 | 28 | F | P | | | | | | | |
| | | Menu Settings | Menu Location | Top left | ~XX72 | 1 | F | P | | | | | |
| | | | | Top right | ~XX72 | 2 | F | P | | | | | |
| | | | | Center | ~XX72 | 3 | F | P | | | | | |
| | | | | Bottom left | ~XX72 | 4 | F | P | | | | | |
| | | | | Bottom right | ~XX72 | 5 | F | P | | | | | |
| | | Menu Transparency | 0~9 | ~XX526 | 0~9 | F | P | | | | | | |
| | | Menu Timer | Off | ~XX515 | 0 | F | P | | | | | | |
| | | | 5sec | ~XX515 | 1 | F | P | | | | | | |
| | 10sec | | ~XX515 | 3 | F | P | | | | | | | |
| | 15Sec | | ~XX515 | 4 | F | P | | | | | | | |

Note: Some commands are not supported depending on the model.

| Submenu Level 1 | Level 2 | Level 3 | Value | Write Command | Space | Set Parameter | Fail | Pass | Read Command | Space | Command Value | Fail | Reply Parameter |
|-----------------|-----------------------|-----------|--------------|---------------|-------|---------------|--------|--------|--------------|-------|---------------|--------|-----------------|
| Options | Auto Source | | Off | ~XX563 | 0 | F | P | | | | | | |
| | | | On | ~XX563 | 1 | F | P | | | | | | |
| | Input Source | | HDMI1 | ~XX12 | 1 | F | P | ~XX121 | 1 | F | O | k | 7 |
| | | | HDMI2 | ~XX12 | 15 | F | P | ~XX121 | 1 | F | O | k | 8 |
| | | | DVI | ~XX12 | 2 | F | P | ~XX121 | 1 | F | O | k | 1 |
| | | | VGA | ~XX12 | 5 | F | P | ~XX121 | 1 | F | O | k | 2 |
| | | | HDBaseT | ~XX12 | 21 | F | P | ~XX121 | 1 | F | O | k | 16 |
| | | | 3G-SDI | ~XX12 | 22 | F | P | ~XX121 | 1 | F | O | k | 18 |
| | High Altitude | | Off | ~XX101 | 0 | F | P | | | | | | |
| | | | On | ~XX101 | 1 | F | P | | | | | | |
| | Information Hide | | Off | ~XX102 | 0 | F | P | | | | | | |
| | | | On | ~XX102 | 1 | F | P | | | | | | |
| | Logo | | Default | ~XX82 | 1 | F | P | | | | | | |
| | | | Neutral | ~XX82 | 3 | F | P | | | | | | |
| | Background Color | | None | ~XX104 | 0 | F | P | | | | | | |
| | | | Blue | ~XX104 | 1 | F | P | | | | | | |
| | | | Red | ~XX104 | 3 | F | P | | | | | | |
| | | | Green | ~XX104 | 4 | F | P | | | | | | |
| | | | Gray | ~XX104 | 6 | F | P | | | | | | |
| | | | Logo | ~XX104 | 7 | F | P | | | | | | |
| | Serial Port Baud Rate | | 9600 | | | | | ~XX153 | 1 | F | O | k | 9600 |
| | | 14400 | | | | | ~XX153 | 1 | F | O | k | 14400 | |
| | | 19200 | | | | | ~XX153 | 1 | F | O | k | 19200 | |
| | | 38400 | | | | | ~XX153 | 1 | F | O | k | 38400 | |
| | | 57600 | | | | | ~XX153 | 1 | F | O | k | 57600 | |
| | | 115200 | | | | | ~XX153 | 1 | F | O | k | 115200 | |
| EDID Reminder | | Off / On | | | | | | | | | | | |
| HDMI 1 EDID | | 1.4 / 2.0 | | | | | | | | | | | |
| HDMI 2 EDID | | 1.4 / 2.0 | | | | | | | | | | | |
| System Update | Notification | | On | ~XX168 | 1 | F | P | ~XX158 | 1 | F | O | k | 1 |
| | | | Off | ~XX168 | 0 | F | P | ~XX158 | 1 | F | O | k | 0 |
| | System Update | | Cancel / Yes | ~XX168 | 9 | F | P | | | | | | |
| Reset | Reset OSD | | Cancel / Yes | ~XX546 | 1 | F | P | | | | | | |
| | Reset to Default | | Cancel / Yes | ~XX112 | 1 | F | P | | | | | | |

Note: Some commands are not supported depending on the model.

Network Menu

| Submenu Level 1 | Level 2 | Level 3 | Value | Write Command | Space | Set Parameter | Fail | Pass | Read Command | Space | Command Value | Fail | Reply Parameter |
|-----------------|----------------------|---------|-----------------------------|---------------|-------|---------------|------|------|--------------|-------|---------------|------|-------------------|
| WLAN | WLAN | | Off | ~XX450 | 0 | | F | P | | | | | |
| | | | On | ~XX450 | 1 | | F | P | | | | | |
| | Subnet Mask | | 255.255.255.0 | | | | | | | | | | |
| | IP Address | | 192.168.1.1 | | | | | | ~XX451 | 2 | F | O | k nnn.nnn.nnn.nnn |
| | Start IP | | | | | | | | ~XX451 | 5 | F | O | k nnn.nnn.nnn.nnn |
| | End IP | | | | | | | | ~XX451 | 6 | F | O | k nnn.nnn.nnn.nnn |
| | SSID | | (Read only) Network Display | | | | | | ~XX451 | 3 | F | O | k nnnnnnnnnnnnnnn |
| Apply | | | | | | | | | | | | | |
| LAN | MAC Address | | (Read only) | | | | | | ~XX555 | 1 | F | O | k nn:nn:nn:nn:nn |
| | DHCP | | Off | | | | | | ~XX150 | 17 | F | O | k 0 |
| | | | On | | | | | | ~XX150 | 17 | F | O | k 1 |
| | IP Address | | 192.168.0.100 | | | | | | ~XX87 | 3 | F | O | k nnn.nnn.nnn.nnn |
| | Subnet Mask | | 255.255.255.0 | | | | | | | | | | |
| | Gateway | | 192.168.0.51 | | | | | | | | | | |
| | DNS | | 0.0.0.0 | | | | | | | | | | |
| Apply | | | | | | | | | | | | | |
| Control | Crestron | | Off | ~XX454 | 0 | | F | P | | | | | |
| | | | On | ~XX454 | 1 | | F | P | | | | | |
| | Extron | | Off | ~XX455 | 0 | | F | P | | | | | |
| | | | On | ~XX455 | 1 | | F | P | | | | | |
| | PJ Link | | Off | ~XX456 | 0 | | F | P | | | | | |
| | | | On | ~XX456 | 1 | | F | P | | | | | |
| | AMX Device Discovery | | Off | ~XX457 | 0 | | F | P | | | | | |
| | | | On | ~XX457 | 1 | | F | P | | | | | |
| | Telnet | | Off | ~XX458 | 0 | | F | P | | | | | |
| | | | On | ~XX458 | 1 | | F | P | | | | | |
| HTTP | | Off | ~XX459 | 0 | | F | P | | | | | | |
| | | On | ~XX459 | 1 | | F | P | | | | | | |
| Network Reset | | | | | | | | | | | | | |

Note: Some commands are not supported depending on the model.

Information Menu

| Submenu Level 1 | Value | Read Command | Space | Command Value | Fail | Reply Parameter |
|----------------------|----------------|--------------|-------|---------------|------|-----------------------------------|
| Regulatory | | | | | | |
| Serial Number | | ~XX353 | 1 | F O k | | nnnnnnnnnnnnnnnn |
| Main Source | | ~XX121 | 1 | F | | * Check "Input Source" read above |
| Main Resolution | | ~XX150 | 4 | F O k | | nnnnnnnnnnnn (e.g. Ok1920x1080) |
| Main Signal Format | | ~XX150 | 5 | F O k | | nnnnnnnnnnnn (e.g. OkDVI-D) |
| Main Pixel Clock | | ~XX150 | 6 | F O k | | nnnnnnnnnnnn |
| Main Horz Refresh | | ~XX150 | 7 | F O k | | nnnnnnnnnnnn (e.g. Ok00x00) |
| Main Vert Refresh | | ~XX150 | 8 | F O k | | nnnnn (e.g. Ok60Hz) |
| Sub Source | | ~XX131 | 1 | F | | * Check "Input Source" read above |
| Sub Resolution | | ~XX150 | 10 | F O k | | nnnnnnnnnnnn (e.g. Ok1920x1080) |
| Sub Signal Format | | ~XX150 | 11 | F O k | | nnnnnnnnnnnn (e.g. OkDVI-D) |
| Sub Pixel Clock | | ~XX150 | 12 | F O k | | |
| Sub Horz Refresh | 00x00 | ~XX150 | 13 | F O k | | nnnnnnnnnnnn (e.g. Ok00x00) |
| Sub Vert Refresh | 0.00Hz | ~XX545 | 14 | F O k | | nnnnn (e.g. Ok60Hz) |
| Display Mode | | ~XX123 | 1 | F | | * Check "Input Source" read above |
| System Temperature | | ~XX150 | 18 | F O k | | nnn= string (e.g. Ok48) |
| Color Depth | | ~XX156 | 1 | F O k | | nbit nnn (e.g. 8bit RGB) |
| Color Format | | ~XX157 | 1 | F O k | | nnnnnnnnnnnn (eg. BT.2020 HDR) |
| Power Mode (Standby) | Eco | ~XX150 | 16 | F O k | | 0 |
| | Active | ~XX150 | 16 | F O k | | 1 |
| | Communications | ~XX150 | 16 | F O k | | 3 |
| Projection Hours | | ~XX108 | 1 | F O k | | nnnnn (nnnnn= hour digits) |
| Remote Code | 0~99 | | | | | |
| LAN IP Address | | ~XX87 | 3 | F O k | | nnn.nnn.nnn.nnn |
| SSID | | ~XX451 | 3 | F O k | | nnnnnnnnnnnnnnnn |
| Projector ID | 0~99 | ~XX558 | 1 | F O k | | nn |
| Brightness Mode | | | | | | |
| Power Level | 1~100 | | | | | |
| FW Version | Global version | ~XX122 | 1 | F O k | | nnnnnnnnnnnnnnnn |

Note: Some commands are not supported depending on the model.

Other Uart Command

| Command | | Write Command | Space | Set Parameter | Fail | Pass | Read Command | Space | Command Value | Fail | Reply Parameter | | | | | | |
|------------------|-----------------------------|---------------|-------|---------------|------|------|--------------|-------|---------------|------|-----------------|--|---|---|---|---|----|
| Power Off | | ~XX00 | | 0 / 2 | F | P | ~XX124 | | 1 | F | | | O | k | 0 | | |
| Power On | | ~XX00 | | 1 | F | P | ~XX124 | | 1 | F | | | O | k | 1 | | |
| Re-Sync | | ~XX01 | | 1 | F | P | | | | | | | | | | | |
| AV Mute | Off | ~XX02 | | 0 | F | P | ~XX355 | | 1 | F | | | O | k | 0 | | |
| | On | ~XX02 | | 1 | F | P | ~XX355 | | 1 | F | | | O | k | 1 | | |
| Freeze | Unfreeze | ~XX04 | | 0 | F | P | | | | | | | | | | | |
| | Freeze | ~XX04 | | 1 | F | P | | | | | | | | | | | |
| 3D Sync Out | To Emitter | ~XX232 | | 0 | | | | | | | | | | | | | |
| | To Next Projector | ~XX232 | | 1 | | | | | | | | | | | | | |
| 3D Frame Delay | 1~200 | ~XX233 | | 1~nnn | | | | | | | | | | | | | |
| Output 3D state | 2D | | | | | | ~XX130 | | 1 | F | | | O | k | 0 | | |
| | 3D | | | | | | ~XX130 | | 1 | F | | | O | k | 1 | | |
| System Auto Send | Standby Mode | | | | | | | | | | | | I | N | F | O | 0 |
| | Warming up | | | | | | | | | | | | I | N | F | O | 1 |
| | Cooling Down | | | | | | | | | | | | I | N | F | O | 2 |
| | Out of Range | | | | | | | | | | | | I | N | F | O | 3 |
| | Lamp Fail (LED Fail) | | | | | | | | | | | | I | N | F | O | 4 |
| | Thermal Switch Error | | | | | | | | | | | | I | N | F | O | 5 |
| | Fan Lock | | | | | | | | | | | | I | N | F | O | 6 |
| System Auto Send | Over Temperature | | | | | | | | | | | | I | N | F | O | 7 |
| | Lamp Hours Running Out | | | | | | | | | | | | I | N | F | O | 8 |
| | Cover Open | | | | | | | | | | | | I | N | F | O | 9 |
| | Lamp Ignite Fail | | | | | | | | | | | | I | N | F | O | 10 |
| | Format Board Power On Fail | | | | | | | | | | | | I | N | F | O | 11 |
| | Color Wheel Unexpected Stop | | | | | | | | | | | | I | N | F | O | 12 |
| | Over Temperature | | | | | | | | | | | | I | N | F | O | 13 |
| | FAN 1 Lock | | | | | | | | | | | | I | N | F | O | 14 |
| | FAN 2 Lock | | | | | | | | | | | | I | N | F | O | 15 |
| | FAN 3 Lock | | | | | | | | | | | | I | N | F | O | 16 |

Note: Some commands are not supported depending on the model.

| Command | | Write Command | Space | Set Parameter | Fail | Pass | Read Command | Space | Command Value | Fail | Reply Parameter | | | | |
|--------------------|-----------------------------|---------------|-------|---------------|------|--------|--------------|-------|---------------|------|-----------------|---|---|-----------|----------------------------|
| System Auto Send | FAN 4 Lock | | | | | | | | | | I | N | F | O | 17 |
| | FAN 5 Lock | | | | | | | | | | I | N | F | O | 18 |
| | LAN fail then restart | | | | | | | | | | I | N | F | O | 19 |
| | LD lower than 60% | | | | | | | | | | I | N | F | O | 20 |
| | LD NTC (1) Over Temperature | | | | | | | | | | I | N | F | O | 21 |
| | LD NTC (2) Over Temperature | | | | | | | | | | I | N | F | O | 22 |
| | High Ambient Temperature | | | | | | | | | | I | N | F | O | 23 |
| | System Ready | | | | | | | | | | I | N | F | O | 24 |
| Model Name | Optoma WUXGA | | | | | | ~XX151 | | 1 | F | | | O | k | 5 |
| | Optoma UHD | | | | | | ~XX151 | | 1 | F | | | O | k | 6 |
| Software Version | | | | | | | ~XX122 | | 1 | F | | | O | k | nnnnnnn (Software Version) |
| LAN FW version | | | | | | | ~XX357 | | 1 | F | | | O | k | nnnnnnn (LAN FW version) |
| Fan Speed | Fan 1 Speed | 0000~9999 | | | | | ~XX351 | | 1 | F | | | O | k | 0000~9999 |
| | Fan 2 Speed | 0000~9999 | | | | | ~XX351 | | 2 | F | | | O | k | 0000~9999 |
| | Fan 3 Speed | 0000~9999 | | | | | ~XX351 | | 3 | F | | | O | k | 0000~9999 |
| | Fan 4 Speed | 0000~9999 | | | | | ~XX351 | | 4 | F | | | O | k | 0000~9999 |
| System Temperature | | | | | | ~XX352 | | 1 | F | | | O | k | 0000~9999 | |
| Information | Info String | | | | | | ~XX150 | | 1 | F | | | O | k | abbbbccddddee (Note*1) |
| | Native Resolution | | | | | | ~XX150 | | 2 | F | | | O | k | nnn..nn (e.g. Ok1920x1080) |
| | Main Source | | | | | | ~XX150 | | 3 | F | | | O | k | nnn..nn (e.g. OkHDMI) |
| | - Resolution | | | | | | ~XX150 | | 4 | F | | | O | k | nnn..nn (e.g.Ok1920x1080) |
| | - Signal Format | | | | | | ~XX150 | | 5 | F | | | O | k | nnn..nn |
| | - Pixel Clock | | | | | | ~XX150 | | 6 | F | | | O | k | nnn..nn |
| | - Horz Refresh | | | | | | ~XX150 | | 7 | F | | | O | k | nnn..nn |
| | - Vert Refresh | | | | | | ~XX150 | | 8 | F | | | O | k | nnn..nn |
| | Sub Source | | | | | | ~XX150 | | 9 | F | | | O | k | nnn..nn |
| | - Resolution | | | | | | ~XX150 | | 10 | F | | | O | k | nnn..nn (e.g. Ok1920x1080) |
| | - Signal Format | | | | | | ~XX150 | | 11 | F | | | O | k | nnn..nn (e.g. OkHDMI) |
| | - Pixel Clock | | | | | | ~XX150 | | 12 | F | | | O | k | nnn..nn |
| | - Horz Refresh | | | | | | ~XX150 | | 13 | F | | | O | k | nnn..nn |
| | - Vert Refresh | | | | | | ~XX150 | | 14 | F | | | O | k | nnn..nn |

Note: Some commands are not supported depending on the model.

| Command | | Write Command | Space | Set Parameter | Fail | Pass | Read Command | Space | Command Value | Fail | Reply Parameter | | | | |
|--------------------------|--------------------|---------------|--------|---------------|------|------|--------------|--------|---------------|------|-----------------|---|---|---------------------|---|
| Information | Light Source Mode | | | | | | ~XX150 | | 15 | F | | O | k | nnn..nn | |
| | Standby Power Mode | Active | | | | | ~XX150 | | 16 | F | | O | k | 1 | |
| | | Eco. | | | | | | ~XX150 | | 16 | F | | O | k | 2 |
| | DHCP | Off | | | | | | ~XX150 | | 17 | F | | O | k | 0 |
| | | On | | | | | | ~XX150 | | 17 | F | | O | k | 1 |
| System Temperature | | | | | | | ~XX150 | | 18 | F | | O | k | nnn..nn (e.g. Ok48) | |
| Serial Port Path | RS232 | | ~XX557 | 1 | F | P | | | | | | | | | |
| | HDBaseT | | ~XX557 | 2 | F | P | | | | | | | | | |
| Source Lock | Off | | ~XX100 | 0 | F | P | | | | | | | | | |
| | On | | ~XX100 | 1 | F | P | | | | | | | | | |
| Filter Wheel Index | | | ~XX528 | 0000~9999 | F | P | ~XX530 | | 1 | F | | O | k | 0000~9999 | |
| Phosphor Wheel Index | | | ~XX529 | 0000~9999 | F | P | ~XX531 | | 1 | F | | O | k | 0000~9999 | |
| Light Sensor Calibration | | | ~XX552 | 2 | F | P | | | | | | | | | |

| | |
|----------------------|---|
| Note 1 | |
| Freeze Screen | Freeze can be release by menu key, exit key, and direct source key. |

Note: Some commands are not supported depending on the model.

Remote Control Simulation

| Command | Write Command | Space | Set Parameter | Fail | Pass |
|-----------------------------|---------------|-------|---------------|------|------|
| Power | ~XX140 | | 1 | F | P |
| Power Off | ~XX140 | | 2 | F | P |
| Up | ~XX140 | | 10 | F | P |
| Left | ~XX140 | | 11 | F | P |
| Enter (for projection MENU) | ~XX140 | | 12 | F | P |
| Right | ~XX140 | | 13 | F | P |
| Down | ~XX140 | | 14 | F | P |
| V Keystone + | ~XX140 | | 15 | F | P |
| V Keystone - | ~XX140 | | 16 | F | P |
| Brightness | ~XX140 | | 19 | F | P |
| Menu | ~XX140 | | 20 | F | P |
| Zoom | ~XX140 | | 21 | F | P |
| AV Mute | ~XX140 | | 24 | F | P |
| Contrast | ~XX140 | | 28 | F | P |
| Lens shift | ~XX140 | | 31 | F | P |
| Zoom + | ~XX140 | | 32 | F | P |
| Zoom - | ~XX140 | | 33 | F | P |
| Focus + | ~XX140 | | 34 | F | P |
| Focus - | ~XX140 | | 35 | F | P |
| Mode | ~XX140 | | 36 | F | P |
| info | ~XX140 | | 40 | F | P |
| Auto(Re-sync) | ~XX140 | | 41 | F | P |
| Input(Source) | ~XX140 | | 47 | F | P |
| 1 | ~XX140 | | 51 | F | P |
| 2 | ~XX140 | | 52 | F | P |
| 3 | ~XX140 | | 53 | F | P |
| 4 | ~XX140 | | 54 | F | P |
| 5 | ~XX140 | | 55 | F | P |
| 6 | ~XX140 | | 56 | F | P |
| 7 | ~XX140 | | 57 | F | P |
| 8 | ~XX140 | | 58 | F | P |
| 9 | ~XX140 | | 59 | F | P |
| 0 | ~XX140 | | 60 | F | P |

| Command | Write Command | Space | Set Parameter | Fail | Pass |
|---------------------|---------------|-------|---------------|------|------|
| Gamma | ~XX140 | | 61 | F | P |
| PIP | ~XX140 | | 63 | F | P |
| Lens H(left) | ~XX140 | | 64 | F | P |
| Lens H(Right) | ~XX140 | | 65 | F | P |
| Lens V(Up) | ~XX140 | | 66 | F | P |
| Lens V(Down) | ~XX140 | | 67 | F | P |
| H Keystone + | ~XX140 | | 68 | F | P |
| H Keystone - | ~XX140 | | 69 | F | P |
| Hot Key (user1)(F1) | ~XX140 | | 70 | F | P |
| Pattern | ~XX140 | | 73 | F | P |
| Exit | ~XX140 | | 74 | F | P |

Note: Some commands are not supported depending on the model.

