

SUPPORTED IC TYPES

LIST OF SUPPORTED IC TYPES OF LED STRIP STUDIO CONTROLLERS

| ID | IC | COMPATIBILITY | LEC 3.0, 3.1 SPI MATRIX 3.0, 3.1 | LEC 3.2 SPI MATRIX 3.2 | SPI LED CONTROLLER | REACTIVO 1, 2 SPI LED 2 | SPI LAMP | SPI LAMP FW 2 | PROFILED |
|----|-----------------------------|--|--|---------------------------|-----------------------|----------------------------|----------|------------------|----------|
| 0 | D705 1000kHz | D705 1000kHz LPD6803 1000kHz | ✓ | ✓ | ✓ | ✓ | ✗ | ✗ | ✗ |
| 1 | APA102-65536 2600kHz | APA102-65536 2600kHz | ✓ | ✓ | ✓ | ✓ | ✗ | ✗ | ✗ |
| 2 | TM1809 800kHz | TM1809 800kHz TM1803 800kHz WS2811 800kHz WS2812 WS2813 SK6812 SK6822 LPD1886 8bit UCS1903 800kHz UCS2903 APA104 800kHz P9883 800kHz WS2815 GS8208 SM16703 FW1935 WS2818 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

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|----|--------------------------|--|--|---------------------------|-----------------------|----------------------------|----------|------------------|----------|
| 3 | TM1809 400kHz | TM1809 400kHz TM1803 400kHz APA104 400kHz WS2811 400kHz UCS1903 400kHz P9883 400kHz | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✗ |
| 4 | SM16716 1300kHz | SM16716 1300kHz SM16726 1300kHz 8Bit | ✓ | ✓ | ✓ | ✓ | ✗ | ✗ | ✗ |
| 5 | WS2801 1000kHz | WS2801 1000kHz WS2803 1000kHz | ✓ | ✓ | ✓ | ✓ | ✗ | ✗ | ✗ |
| 6 | APA102 1300kHz | APA102 1300kHz | ✓ | ✓ | ✓ | ✓ | ✗ | ✗ | ✗ |
| 7 | APA102_DOUBLE 1300kHz | APA102_DOUBLE 1300kHz | ✓ | ✓ | ✓ | ✓ | ✗ | ✗ | ✗ |
| 8 | UCS9812 1100kHz | UCS9812 1100kHz | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✗ |
| 9 | MBI6120 475kHz | MBI6120 475kHz | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✗ |
| 10 | LPD8806 2000kHz | LPD8806 2000kHz | ✓ | ✓ | ✓ | ✓ | ✗ | ✗ | ✗ |
| 11 | TM1829 1600kHz | TM1829 1600kHz | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✗ |
| 12 | TM1829 800kHz | TM1829 800kHz | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✗ |
| 13 | WS2811_RGBW 800kHz | WS2811_RGBW 800kHz P9412_RGBW UCS2904 WS2814 | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ |
| 14 | LSS RGBW strip | LSS RGBW strip | ✗ | ✓ | ✗ | ✗ | ✗ | ✗ | ✗ |
| 15 | LSS RGB strip | LSS RGB strip | ✗ | ✓ | ✗ | ✗ | ✗ | ✗ | ✗ |
| 16 | DMX RGBW | DMX RGBW SM18522PS | ✗ | ✓ | ✗ | ✗ | ✗ | ✗ | ✗ |
| 17 | DMX RGB | DMX RGB SM18522PS | ✗ | ✓ | ✗ | ✗ | ✗ | ✗ | ✗ |

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|----|----------------------------|-------------------------|--|---------------------------|-----------------------|----------------------------|----------|------------------|----------|
| 18 | TM1914 800kHz | TM1914 800kHz | ✗ | ✓ | ✓ | ✗ | ✗ | ✓ | ✗ |
| 19 | TM1914 400kHz | TM1914 400kHz | ✗ | ✓ | ✓ | ✗ | ✗ | ✓ | ✗ |
| 20 | LD1510 8bit 1Mhz | LD1510 8bit 1Mhz | ✗ | ✓ | ✗ | ✗ | ✗ | ✗ | ✗ |
| 21 | LD1510 12bit 1Mhz | LD1510 12bit 1Mhz | ✗ | ✓ | ✗ | ✗ | ✗ | ✗ | ✗ |
| 22 | LD1510 8bit 500Khz | LD1510 8bit 500Khz | ✗ | ✓ | ✗ | ✗ | ✗ | ✗ | ✗ |
| 23 | LD1510 12bit 500Khz | LD1510 12bit 500Khz | ✗ | ✓ | ✗ | ✗ | ✗ | ✗ | ✗ |
| 24 | PL9823 600kHz | PL9823 600kHz | ✗ | ✓ | ✓ | ✗ | ✗ | ✓ | ✗ |
| 25 | TM1814 800kHz | TM1814 800kHz | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ | ✗ |
| 26 | SM16823 800kHz | SM16823 800kHz | ✗ | ✓ | ✓ | ✗ | ✗ | ✓ | ✗ |
| 27 | P9813 800kHz | P9813 800kHz | ✗ | ✓ | ✓ | ✗ | ✗ | ✗ | ✗ |
| 28 | UCS8903 800kHz | UCS8903 800kHz | ✗ | ✓ | ✓ | ✗ | ✗ | ✓ | ✗ |
| 29 | UCS8904 800kHz | UCS8904 800kHz | ✗ | ✓ | ✓ | ✗ | ✗ | ✓ | ✗ |
| 30 | MBI6024 16b, GCLK 12Mhz | MBI6024 16b, GCLK 12Mhz | ✗ | ✓ | ✗ | ✗ | ✗ | ✗ | ✗ |
| 31 | UCS5603 800kHz | UCS5603 800kHz | ✗ | ✓ | ✓ | ✗ | ✓ | ✓ | ✗ |

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