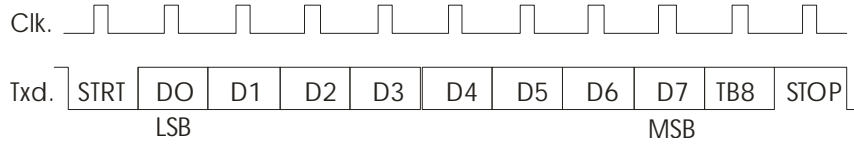


Hardware Protocol:

Hardware : SN75176 Transceiver (Texas) RS-485 Balanced
 Baud rate : 187.5 Khz. 11 bit frame UART



TB8 : True = Address
 False = Data

Software Protocol:

Address = 8 * (Unit DIP-switch address number - 1) + OFF

Effect	OFF	Legal Data
MSB: CYAN LSB: Time	0	0..255, 0 = open 0..250, 0..25.0 Sec
MSB: MAGENTA LSB: Time	1	0..255, 0 = open 0..250, 0..25.0 Sec
MSB: YELLOW LSB: Time	2	0..255, 0 = open 0..250, 0..25.0 Sec
MSB: Knife 1a LSB: Knife 1b	3	0..127, 0 = Open 0..127, 0 = Open
MSB: Pan MSB LSB: Pan LSB	4	27..227 127 = Neutral 0..50
MSB: Tilt MSB LSB: Tilt LSB	5	104..150 127 = Neutral 0..31
MSB: Offset fine tune value LSB: Offset fine tune effect select		1..255, 128 : default (no offset) 40 : Dimmer offset 41 : Cyan offset 42 : Magenta offset 43 : Yellow offset Cancel (confirm) for individual offsets: 60 : Cancel Dimmer offset 61 : Cancel Cyan offset 62 : Cancel Magenta offset 63 : Cancel Yellow offset 125 : Cancel All offsets (confirm) 126 : Confirm 127 : Store (In non-volatile fixture memory).

		A cancel, confirm or store command will only take place with MSB set to 0.
MSB: Knife 2a LSB: Knife 2b	6	0..127, 0 = Open 0..127, 0 = Open
MSB: Pan/Tilt Time LSB: Frost	7	0..250 , 0..25.0 Sec, 0 : BO while moving. 0..127 , 0 = Open
MSB: Knife 3a LSB: Knife 3b	8	0..127, 0 = Open 0..127, 0 = Open
MSB: Knife Wheel LSB: Color/Gobo	9	0..255, 128 = default, 0 = 22.6° CCW, 255 = 22.4° CW Bit 0-3: Color 0 = White, 1 = Color 1, 2 = Color 2, 3 = Color 3, 4 = Color 4, 5 = Color 5 Bit 4-7: Gobo 0 = Open, 16 = Gobo 1, 32 = Gobo 2 48 = Gobo 3, 64 = Gobo 4, 80 = Gobo 5
MSB: Zoom LSB: Focus/Zoom/ Frost Time	10	0..255 0..250, 0..25.0 Sec
MSB: Knife 4a LSB: Knife 4b	11	0..127, 0 = Open 0..127, 0 = Open
MSB: Gobo Rotation Direction GoboIndex LSB:	12	253 : Stop 254 : Continuous Rotation CW 255 : Continuous Rotation CCW 0..199 : Index position - 3.6 deg/cnt 0..127 : Index position - 0.028125 deg/cnt Default index at 100 0
MSB: Dimmer LSB: Time	13	0..255, 0..100%, 255 : Default (Light Off) 0..250, 0..25.0 Sec
MSB: Focus LSB: Gobo Rota. Speed	14	0..255 0..127, 0 = BO while changing gobo and indexing
MSB: Special LSB: Strobe/ Color BO.	15	Bit 3 (08): Fan Lo Bit 4 (16): Lamp Power OFF Bit 5 (32): Lamp Power ON Bit 6 (64): Reset Fixture 0..31, 0 : No Strobe , 1 : fast Bit 5(32): BO While changing Color

Note : MSB refers to Most Significant Byte
LSB refers to Least Significant Byte