



## Aperta user manual V1.0.7 without USB/V1.1.2 With USB

RDM Template	
Label:	APERTA
Model:	APERTA
Manufacturer:	STARWAY
Manufacturer ID:	0x09E9
Device ID:	xxxxxxx
DMX Start Address:	001
DMX Personality: 001:	STANDARD 22-CH
002:	BASIC 19-CH
003:	EXTEND 25-CH
DMX Slots:	The user could check it
Software Version	V1.0.7

### Menu

<b>Display</b>	Software Update Please Wait 。 Starway Aperta Motor Reset Please Wait...		
<b>Receive</b>	Set Address	A001~AXXX	
<b>User Mode</b>	User Mode	Standard Basic Extend User A User B User C	(16bit) (8bit)
	Edit A Edit B Edit C	Max Channel PAN :	
<b>Function</b>	Status	No DMX Mode    Hold/Auto/black P. Reverse      ON/OFF T. Reverse      ON/OFF Pan Degree      630/540 Feedback        ON/OFF Move. Spd        Speed 1~ 4 Hibernation      OFF, 01M~99M	
	Fixture ID	Universe        000-255 UnitIPAddr      xxx.xxx.xxx.xxx Mask Addr       xxx.xxx.xxx.xxx	

	ProtocolSet	ArtNet sACN		
	KlingNet	Enable Disable		
	Net Switch	ON/OFF		
	Dim Speed		Dim 0 Dim 1 Dim 2 Dim 3 Dim 4	
	Temp. C/F		Celsius Fahrenheit	°C/°F
	Dim Curve	Curve1/Curve2/Curve3/Curve4		
	Frequen		900HZ/1000HZ/1100HZ/1200HZ/1300HZ/1400HZ/1500HZ/2500HZ/4000HZ/5000HZ/10KHZ/15KHZ/20KHZ/25KHZ	
	Quick path		ON/OFF	
	Fan Set	Head Fan	Auto High Low	
	LCD. Set	Backlight Flip Display Key Lock DispFlash	02~60m <05m> ON/OFF ON/OFF ON/OFF	
	Disp. Set	Chan. Value Slave Set Auto. Prog	PAN..... Slave1, Slave2, Slave3 Master / Alone	
	DFSE		ON/OFF	
	LED CAL	PSW (60) B. 2022. 8. 23 A. 2022. 8. 23 Save Restore DF	255-255-255 170-255-255 No/Yes No/Yes	Once in the Led cal menu and if a setting has been modified, choose Save menu Yes/no for keep the setting.
<b>Information</b>	Time. Info	CurrentTime Total Time Last Clear  Timer PIN Clear Last Clear Total		(Hours) (Hours) (Hours) (Clear current time:Password=050, clear total time Password=060) ON/OFF
	Temp. Info	R: XXXF G: XXXF B: XXXF		

	Fan Speed	Fan1: xxxxRPM Fan2: xxxxRPM	
	Error. Info	NONE/Pan, Tilt....	
	Model. Info	Aperta	
	Software. V	1U01 V1.0.7 2U01 V1.0.7 3U01 V1.0.7 4U01 V1.0.7 5U01 V1.0.2	
<b>Test</b>	Reset. Motor	All Pan&Tilt Fixed Gobo	
	Test. Channel	PAN .....	
	Panel. Ctrl.	PAN =XXX :	
	Calibrate	-Password- (60) PAN :	060

**Channel list**

Mode/Channel			Value	Function
St	Ba	Ex		
1	1	1	0-255	<b><u>PAN Movement 8bit</u></b> Pan Movement By 630/540
2		2	0-255	<b><u>Pan Fine 16bit</u></b> Fine control of Pan movement
3	2	3	0-255	<b><u>TILT Movement 8bit</u></b> Tilt Movement
4		4	0-255	<b><u>Tilt Fine 16bit</u></b> Fine control of Tilt movement
5	3	5	0-127 128-189 190-193 194-255	<b><u>PAN Continuous rotation</u></b> no function Pan clockwise from fast to slow No rotation Pan counter-clockwise from slow to fast
6	4	6	0-127 128-189 190-193 194-255	<b><u>TILT Continuous rotation</u></b> no function Titl clockwise from fast to slow No rotation Titl counter-clockwise from slow to fast
7	5	7	0-255	<b><u>Red:</u></b> 0~100%
		8	0-255	<b><u>Red16Bit:</u></b> 0~100%
8	6	9	0-255	<b><u>Green:</u></b>

				0~100%	
		10	0-255	<b>Green16Bit:</b> 0~100%	
9	7	11	0-255	<b>Blue:</b> 0~100%	
		12	0-255	<b>Blue16Bit:</b> 0~100%	
10	8	13	0~3 4~7 8~11 12~15 16~19 20~23 24~27 28~31 32~35 36~39 40~43 44~47 48~51 52~55 56~59 60~63 64~73 74~83 84~93 94~103 104~113 114~123 124~133 134~143 144~153 154~163 164~173 174~183 184~193 194~203 204~211 212~232 233~234 235~255	<b><u>Fixed Gobos Wheel</u></b> Open FixedGobo1 FixedGobo 2 FixedGobo 3 FixedGobo 4 FixedGobo 5 FixedGobo 6 FixedGobo 7 FixedGobo 8 FixedGobo 9 FixedGobo 10 FixedGobo 11 FixedGobo 12 FixedGobo 13 FixedGobo 14 FixedGobo 15 FixedGobo 1 shake, from slow to fast FixedGobo 2 shake, from slow to fast FixedGobo 3 shake, from slow to fast FixedGobo 4 shake, from slow to fast FixedGobo 5 shake, from slow to fast FixedGobo 6 shake, from slow to fast FixedGobo 7 shake, from slow to fast FixedGobo 8 shake, from slow to fast FixedGobo 9 shake, from slow to fast FixedGobo 10 shake, from slow to fast FixedGobo 11 shake, from slow to fast FixedGobo 12 shake, from slow to fast FixedGobo 13 shake, from slow to fast FixedGobo 14 shake, from slow to fast FixedGobo 15 shake, from slow to fast Rotating gobo wheel clockwise from slow to fast No rotation Rotating gobo wheel counter-clockwise from slow to fast	
11	9	14	0-31 32-255	<b>Prism1:</b> Open 8 facet prism 8 facet prism	

12	10	15	0-127 128-189 190-193 194-255	<u>Rotating prism1 index, rotating prism 1 rotation :</u> Prism1 indexing Forwards prism1 rotation from fast to slow No rotation Backwards prism1 rotation from slow to fast	
13	11	16	0-31 32-255	<u>Prism2:</u> Open 6 facet prism	
14	12	17	0-127 128-189 190-193 194-255	<u>Rotating prism2 index, rotating prism 2 rotation :</u> Prism2 indexing Forwards prism2 rotation from fast to slow No rotation Backwards prism2 rotation from slow to fast	
15	13	18	000-031 032-063 064-095 096-127 128-159 160-191 192-223 224-255	<u>Shutter, strobe</u> Led's Off Led's On Strobe effect slow to fast Led's On Pulse-effect in sequences Led's On Random strobe effect slow to fast Led's On	
16	14	19	000-255	<u>Dimmer (intensity)</u> Intensity 0 to 100%	
17		20	0-255	<u>Dimmer Fine</u> Intensity 0 to 100%	
18	15	21	0-255	<u>Focus</u> Continuous adjustment from far to near	
19	16	22	0-225 226-235 236-245 246-255	<u>Frost:</u> Frost:0 – 100%(Linear) Pulse opening effect from fast to slow Pulse closing effect from slow to fast Frost at 100%	
20	17	23	000-020 021-040 041-060 061-080 081-100 101-255	<u>Dim Modes</u> Dim 0 Dim 1 Dim 2 Dim 3 Dim 4 Default to Unit Setting	
21	18	24	0-225	<u>Speed pan/Tilt movement</u> max to min speed	

			226-235	blackout by movement	
			236-255	no function	
22	19	25	00-19	No function	Restore the default calibration Before or After 2022.8.23
			20-29	Fan Speed Set Auto	
			30-39	Fan Speed Set High	
			40-49	Fan Speed Set Low	
			50-59	Quick path P/T Off	
			60-69	Quick path P/T On	
			70-79	Pan & Tilt Reset	
			80-89	All Motors Reset	
			90-98	No Used	
			<b>99</b>	<b>Restore Calibration Data Hold 10sec</b>	
			100-119	Internal program 1	
			120-139	Internal program 2	
			140-159	Internal program 3	
			160-179	Internal program 4	
			180-199	Internal program 5	
			200-219	Internal program 6	
			220-239	Internal program 7	
			<b>240-245</b>	<b>Before.2022.8.23 Hold 10sec</b>	Select Calibration before
			<b>246-250</b>	<b>After.2022.8.23 Hold 10sec</b>	Select calibration after
			<b>251-255</b>	<b>Calibration Hold 10sec</b>	Adjust calibration before or after

After 2022.8.23 the led module ids a little different as previous. As a result, the calibration of the LEDs must be modified so that manufactures after this date are compatible.

**Procedure:** With software version 107 it is possible to choose the type of calibration according to the date of manufacture of the projector by enter the password 060 and after select the mode A or B depending of the factory date.

1: Directly in the menu **Function>LED CAL> B.2022.8.3 or A.2022.8.3**. By pressing enter it is possible to precisely adjust the **R,G,B**. Before exit Led Cal select **Save/Yes** if you want to keep your settings. Also you can restore the originals RGB values for the booth modes by choosing **Restore DF/Yes**.

2: In dmx via the control channel:

- Value **240-245** during 10s selects the calibration before **2022.8.23**
- Value **246-250** during 10s selects the calibration after **2022.8.23**
- Once the choice has been made, it is possible to adjust the calibration (in case the result is not satisfactory) using the value **251-255 for 10 seconds > adjust the white with the rgb channels of the console > validate the setting by selecting control 000 for 10s**. This setting will apply to the previously selected mode.

3: Return to original values: Select the desired mode **240-245 or 246-250 for 10s > Select the value 099 for 10s and return to 000**.