

Technical Bulletin:

LiteWare HO & Satellite New Firmware (V2.56)

Date Issued: 21st November 2011
Products Affected: LiteWare High Output and LiteWare Satellite

Overview

A new version of operating firmware (version 2.56) has been released for LiteWare High Output (HO) and Satellite which adds several new features, as well as the ability for the Satellite battery base to automatically detect whether an RGB or White Satellite head has been inserted and changes the control channels to suit. A full list of the added functionality is listed below.

Limitations

All new LiteWare HO and Satellite product shipped after 1st November 2011 will be shipped with V2.56 firmware. It is possible to upgrade older LiteWare HO units with a serial number higher than 3651 using a GDS wireless firmware updater unit (please contact your GDS International Sales Manager for enquiries regarding this device) however units with a serial number lower than 3651 cannot be upgraded due to incompatible hardware.

Please also note that it is not possible to use this firmware with LiteWare UL due to incompatible hardware.

New Features

- **Increased PWM frequency to reduce possible camera flicker.**
- **Added auto head detection for new Satellite range. This is visible on HO units by lighting Red when first switched on.**
- **Added menu system to gain access to new Personality selection.**
- **Added Personality Selection. This is accessed by pressing UP and DN buttons together.**
 - P0 – This mimics the “Snap Off” featured in LiteWare HO RevA allowing old and new stock to behave the same
 - P1 – Calibrated (Balanced White) 3 Channel RGB control without Snap Off
 - P2 – Un-Calibrated 3 Channel RGB control without Snap Off
 - P3 – 6 Channel DMX Mode
- **Removed auto un-link when placed into flight case. Units can now be unlinked in the following ways: -**
 - When in flight case, press top button 3 times to force unlink.
 - When on and in DMX mode (address 1 – 512) press top button 3 times.
- **Display Link Status when placed into flight case.**
 - HO Units will flash Blue 3 times to indicate unit is currently linked to a transmitter.
 - HO Units will flash Green 3 times to indicate unit is not linked to a transmitter.
- **DMX Buffer is now cleared when unlinked to prevent some users confusing the last state with the unit being linked.**

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Channel assignments for P3 mode (6 channel)

- Ch1. RED INTENSITY
- Ch2. GREEN INTENSITY
- Ch3. BLUE INTENSITY
- Ch4. MASTER INTENSITY
- Ch5. STATIC COLOUR SELECT
- Ch6. CONTROL CHANNEL

Ch5 Static Colours DMX Values (refer to user manual for details)

Colour	Min	Max	Colour	Min	Max	Colour	Min	Max	Colour	Min	Max	Colour	Min	Max
RGB	0	4	611	56	60	621	106	110	631	156	160	641	206	210
601	5	10	612	61	65	622	111	115	632	161	165	642	211	215
602	11	15	613	66	70	623	116	120	633	166	170	643	216	220
603	16	20	614	71	75	624	121	125	634	171	175	644	221	225
604	21	25	615	76	80	625	126	130	635	176	180	645	226	230
605	26	30	616	81	85	626	131	135	636	181	185	646	231	235
606	31	35	617	86	90	627	136	140	637	186	190	647	236	240
607	36	40	618	91	95	628	141	145	638	191	195	648	241	245
608	41	45	619	96	100	629	146	150	639	196	200	649	246	250
609	46	50	620	101	105	630	151	155	640	201	205	650	251	255
610	51	55												

Ch6 Control Channel DMX Values

Function	Min	Max
Calibrated	0	49
Un-calibrated	50	99
Spare	100	149
Spare	150	199
Spare	200	255

For more information relating to this technical bulletin please contact your International Sales Manager