



CONTROL FREAK SLAMMO XC-1

Constant Current LED Dimmer SLAMMO XC1 RDM Supplement

Issue: 20 January 2010

1 Introduction

Remote Device Management protocol support has been implemented in the Control Freak SLAMMO XC1. This document describes specific aspects of the RDM implementation. This document should be read in conjunction with the RDM specification.

2 Commands Supported

The following RDM parameters are implemented by the SLAMMO XC1:

RDM Parameter ID	Value
DISC_UNIQUE_BRANCH	0x0001
DISC_MUTE	0x0002
DISC_UN_MUTE	0x0003
SUPPORTED_PARAMETERS	0x0050
PARAMETER_DESCRIPTION	0x0051
DEVICE_INFO	0x0060
DEVICE_MODEL_DESCRIPTION	0x0080
MANUFACTURER_LABEL	0x0081
DEVICE_LABEL	0x0082
FACTORY_DEFAULTS	0x0090
SOFTWARE_VERSION_LABEL	0x00C0
DMX_PERSONALITY	0x00E0
DMX_PERSONALITY_DESCRIPTION	0x00E1
DMX_START_ADDRESS	0x00F0
IDENTIFY_DEVICE	0x1000

Additionally, the SLAMMO XC1 supports the following non-standard RDM parameters:

RDM Parameter ID	GET Allowed	SET Allowed	Value
Device Mode	✓	✓	0x8000

3 SLAMMO XC1 Specific Parameter Descriptions

3.1 Device Mode

Parameter ID **0x8000**. This parameter sets the operating mode the device will use when not manually selected. E.g. Using onboard dipswitches. When requesting the device mode, the effective device mode is returned (if overridden manually using the dipswitches).

3.1.1 Get Device Mode

Controller:

(CC) GET_COMMAND	(PID) Device Mode = 0x8000	(PDL) 0x00
(PD) Not Present		

Responder:

(CC) GET_COMMAND_RESPONSE	(PID) Device Mode = 0x8000	(PDL) 0x01
(PD)		
BYTE[0] 0: DMX512 1: DALI 2: DSI		

3.1.2 Set Device Mode

Controller:

(CC) SET_COMMAND	(PID) Device Mode = 0x8000	(PDL) 0x01
(PD)		
BYTE[0] 0: DMX512 1: DALI 2: DSI		

Responder:

(CC) SET_COMMAND_RESPONSE	(PID) Device Mode = 0x8000	(PDL) 0x00
(PD) Not Present		