ANSI E1.37-1 – 2012

Additional Message Sets for ANSI E1.20 (RDM) – Part 1, Dimmer Message Sets

CP/2009-1019r4

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Published by:

PLASA North America
630 Ninth Avenue, Suite 609
New York, NY 10036
USA
Phone: 1-212-244-1505
Fax: 1-212-244-1502
Email: standards.na@plasa.org

For additional copies of this document contact:

The ESTA Foundation
630 Ninth Avenue, Suite 609
New York, NY 10036
USA
Phone: 1-212-244-1505
Fax: 1-212-244-1502
http://www.estafoundation.org

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The Control Protocols Working Group, which authored this Standard, consists of a cross section of entertainment industry professionals representing a diversity of interests. PLASA is committed to developing consensus-based standards and recommended practices in an open setting.

Contact Information

Technical Standards Manager

Karl G. Ruling
PLASA North America
630 Ninth Avenue, Suite 609
New York, NY 10036
USA
1-212-244-1505
karl.ruling@plasa.org

Technical Standards Council Chairperson

Mike Garl
President and General Manager
Tomcat USA
2160 Commerce Drive
PO Box 550
Midland, TX 79703-7504
USA
1-432-694-7070
mike.garl@tomcatusa.com

Control Protocols Working Group Chairpersons

Kimberly Corbett
Schuler Shook.
325 North Saint Paul, Suite 3250
Dallas, TX 75201
USA
1-214-747-8300
kcorbett@schulershook.com

Michael Lay
Philips Color Kinetics
3 Burlington Woods Drive
Burlington, MA 01803
USA
1-781-418-9145
michael.lay@philips.com

Acknowledgments

The Control Protocols Working Group members when this document was approved by the working group on 15 September 2011 are shown below.

Voting members:

Daniel W. Antonuk; Electronic Theatre Controls, Inc.; MP
Robert Armstrong; Pathway Connectivity Inc.; MP
Marcus Bengtsson; LumenRadio AB; MP
Scott M. Blair; LiteSpeed Design; G
Ron Bonner; PLASA EU; G
Jean-Francois Canuel; A.C. Lighting Ltd.; CP
Kimberly Corbett; Schuler Shook; DE
Daniel Darrington; Wireless Solutions Sweden AB; MP
Milton Davis; Doug Fleenor Design, Inc.; MP
Larry Dunn; City Theatrical, Inc.; MP
Doug Fleenor; Doug Fleenor Design, Inc.; MP
Howard Forryan; Harting KGAA; G
Ed Garstkiewicz; Harting KGAA; G
Robert Goddard; Goddard Design Co.; MP
Dennis Grow; I.A.T.S.E. Local 728; U
Mitch Hefter; Philips Electronics, representing USITT; U
Dave Higgins; Pathway Connectivity Inc.; MP
John Huntington; I.A.T.S.E. Local 1; U
Eric Johnson; Barco; MP
Michael Karlsson; LumenRadio AB; MP
Peter Kirkup; Cooper Controls Ltd.; MP
Paul Kleissler; City Theatrical, Inc.; MP
Edwin S. Kramer; I.A.T.S.E. Local 1; U
Ulrich Kunkel; DIN, NVBF Committee; U
Roger Lattin; I.A.T.S.E. Local 728; U
Hans Lau; LumenRadio AB; MP
Michael Lay; Royal Philips Electronics ; MP
Kevin Loewen; Pathway Connectivity Inc.; MP
Tyrone Mellon Jr.; Lex Products Corp.; CP
Simon Newton; G
Maya Nigrosh; Electronic Theatre Controls, Inc.; MP
Edward A. (Ted) Paget; Daktronics Inc. ; G
Charles Reese; Production Resource Group; DR
Alan M. Rowe; I.A.T.S.E. Local 728; U
Sean Sill; Doug Fleenor Design, Inc.; MP
Steve Terry; Electronic Theatre Controls, Inc.; MP
Ken Vannice; Leviton Manufacturing Co., Inc.; MP
Peter Willis; Howard Eaton Lighting Ltd.; CP

Observer (non-voting) members: Charles Alicea; Royal Philips Electronics ; MP
Simon Alpert; Lighttech Event Technologies; CP
Klaus Amling; Licht-Technik; MP
Shahid Anwar; Avolites Ltd.; MP
Daniel Ayers; Norcostco; DR
Timothy Baarsch; Alderamin Group; DE
Tim Bachman; A.C.T Lighting, Inc.; DR
Robert Barbagallo; Solotech Inc.; U
Robert Bell; Horizon Control Inc.; MP

William Benner; Pangolin Laser Systems; MP
Adam Bennette; Electronic Theatre Controls, Inc.; MP
David Bertenshaw; David Bertenshaw; G
Stephen Bickford; T. Kondos Associates; U
Torrey Bievenour; Vision Quest Lighting; G
Lee J. Bloch; Bloch Design Group, Inc.; G
David A. Boller; Organic Machines LLC; CP
André Broucke; G
Larry Busch; ADB Lighting Technologies; MP
John (Javid) D. Butler; Integrated Theatre, Inc.; CP
Steve Carlson; High Speed Design, Inc.; MP
Nyasha Chigwamba; Rhodes University; U
Soo-Myong Chung; Bloch Design Group, Inc.; G
Paul J. Clark; HxDx; CP
Edward R. Condit; Edward R. Condit; G
Eric Cornwell; West Side Systems; U
Stuart Cotts; Oregon Shakespeare Festival; U
Klas Dalbjorn; TC Group; MP
Gilray Densham; CAST Group Inc; MP
Gary Douglas; Horizon Control Inc.; MP
Gary Dove; Dove Systems; MP
Hamish Dumbreck; James Embedded Systems Engineering; MP
Jerry Durand; Durand Interstellar, Inc.; CP
James Eade; PLASA; G
Andrew Eales; Rhodes University ; U
Joost van Eenbergen; ELC Lighting; MP
Bill Ellis; Candela Controls, Inc.; U
Paul K. Ericson; Syska Hennessy Group Lighting Design; U
Jon R. Farley; Sixteenth Avenue Systems; CP
Martin Farnik; Robe Show Lighting s.r.o.; MP
Trevor Forrest; Helvar Lighting Control; MP
Douglas Franz; QVC Network; U
Steve Friedlander; Auerbach Pollock Friedlander; U
Phillip M. Gallo; TMB; DR
Jerry Gorrell; Theatre Safety Programs; G
Tom Grimes; Barco; MP
Josh Gubler; CP
Rob Halliday; U
Sean Harding; High Output, Inc.; G
Bill Hewlett; Hewlett Electronics; CP
Simon Hobday; Alderamin Group; DE
Helge Hoffmann; JB Lighting; MP
Jim Holladay; Luxence; G
Wayne David Howell; Alderamin Group; DE
Osedum P. Igumbor; Rhodes University; U
Sierk Janszen; Ground Zero; U
Rob Johnston; Interactive Technologies, Inc.; MP
Ed Jones; Edwin Jones Co., Inc.; CP
Jussi Kallioinen; Eastway Sound & Lighting; U
Tae Gyu Kang; Electronics and Telecommunications Research Institute; MP
Ujjal Kar; Standard Robotics & Lighting; G
Kirk D. Keen; Hollywood Lighting, Inc.; DR
Insu Kim; Electronics and Telecommunications Research Institute; MP
Hiroshi Kita; Marumo Electric Co., Ltd.; MP
Phil Klapwyk; IATSE Local 891; U
Mark T. Kraft; Lehigh Electric Products Co.; MP

Rick Leinen; Leviton Manufacturing Co., Inc.; MP
Hans Leiter; Electronic Theatre Controls, Inc.; MP
Jon Lenard; Applied Electronics; MP
Maarten Lepelaars; eldoLED; MP
Sang-Kyu Lim; Electronics and Telecommunications Research Institute; MP
Mark Manthei; Shure Inc.; G
Paul F. Mardon; Pulsar Ltd.; MP
Alan Martello; Horizon Control Inc.; MP
Mick Martin; ShowCAD Control Systems; MP
Paul Martin; State Automation Pty. Ltd.; MP
Paul Kenneth McEwan; Cooper Controls Ltd.; MP
John Mehltretter; Lehigh Electric Products Co.; MP
Avraham “Avi” Mendall Mor; Lightswitch; U
Tobin Neis; Barbizon Companies; DR
Philip Nye; Engineering Arts; G
Lars F. Paape; Scientific Algorithms and Embedded Systems; U
Fabiano Pina; Clay Paky S.P.A.; MP
Gary Pritchard; LSC Lighting Systems PTY Ltd; MP
Eric Proces; Eric Proces; U
Torben Kaas Rasmussen; Martin Professional A/S; G
Charlie Richmond; Richmond Sound Design Ltd.; CP
Bernardo Benito Rico; Ben-Ri Electronica S.A.; MP
Steve Roberts; Carr & Angier; G
Erwin Rol; G
Dietmar Rottinghaus; Connex GmbH; G
Richard Salzedo; Avolites Ltd.; MP
Yngve Sandboe; Sand Network Systems, Inc.; MP
Chuck Seifried; City of Phoenix; U
John Sellers; AIM Northwest; G
Andrew Sherar; Lightmoves PLC; MP
Yehuda Shukram; Compulite Systems; MP
John Sondericker III; Wybron, Inc.; MP
Storm K. Staley; Stormwerx; U
Ralph Stillinger; Royal Philips Electronics; MP
Bart Swinnen; Luminex LCE; MP
Arnold Tang; Arnold Tang Productions; U
Geoffrey O. Thompson; IEEE 802.3/Nortel Networks; G
David Timmins; Jands Electronics; MP
J. B. Toby; Avolites Ltd.; MP
Bob Toms; Catalyst Microsystems LLC; G
Robert Tooker; U
Tad Trylski; U
Stephen J. Tyrrell; Quantum Logic; MP
Tracy Underhill; 4U Consulting; G
Steve Unwin; Pulsar Ltd.; MP
Dominic Vincenty; Television Production Service; DR
Will Wagner; Carallon Ltd.; MP
John Warwick; Royal Philips Electronics ; MP
Colin Waters; TMB; DR
Ralph Weber; ENDL Texas; G
Lars Wernlund; Lewlight; MP
Michael (Mike) Whetstone; Integrated Theatre, Inc.; CP
Loren Wilton; Showman Systems; CP
Barbara Wohlsen; U
Jiantong Wu; Beijing Special Engineering Design & Research Institute; G
Kehang Wu; Shure Inc.; G

David Yellin; LightMinded Industries, Inc.; MP
Larry Zoll; Zoll Design & Consulting, LLC; U

Interest category codes:

CP = custom-market producer	DE = designer
DR = dealer rental company	G = general interest
MP = mass-market producer	U = user

E1.37-1 Task Group Members:

Chair/Editor
Scott M. Blair, Litespeed Design

Europe
Michael Karlsson, LumenRadio
Peter Kirkup, Zero88/Cooper Controls
Peter Willis, Howard Eaton Lighting Ltd, UK
Hamish Dumbreck, JESE Ltd.

USA
Milton Davis, Doug Fleenor Design
Doug Fleenor, Doug Fleenor Design
Bob Goddard, Goddard Design
Eric Johnson, Barco/High End Systems
Paul Kleissler, City Theatrical
Simon Newton

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Introduction

The ANSI E1.20 Remote Device Management Protocol (RDM) permits intelligent bi-directional communication between devices from multiple manufacturers utilizing a modified DMX512 data link. RDM is an EF(Enhanced Functionality) 1.0 implementation of ANSI E1.11 (DMX512-A).

RDM permits a console or other controlling device to discover and then configure, monitor, and manage intermediate and end-devices connected through a DMX512 network. RDM provides for intelligent control of devices on a DMX512 network, which has not been previously available outside of proprietary networks.

Overview

This document provides additional get/set parameter messages (PIDs) for use with the ANSI E1.20 Remote Device Management protocol. Many messages in this document are intended for, but not limited to, use with dimming systems.

The RDM standard can be implemented in DMX512 dimmers, to allow a controller to discover them, set the DMX512 addresses (either of the entire device or of each output separately using sub-device messaging), and to monitor sensors, such as temperatures.

This document defines additional message capabilities to access configuration parameters commonly found in many systems.