



ANSI E1.37-1 – 2012 (R2017)
Additional Message Sets for ANSI E1.20 (RDM)
– Part 1, Dimmer Message Sets

CP/2009-1019r5

This edition of ANSI E1.37-1 is a reaffirmation of ANSI E1.37-1 – 2002. This reaffirmation was approved by the American National Standards Institute on 18 May 2017.

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Acknowledgments

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Interest category codes:

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

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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.