

Electromagnetic compatibility — Product family standard for audio, video, audio-visual and entertainment lighting control apparatus for professional use —

Part 1: Emission

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ICS 33.100; 33.160.01

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Committees responsible for this British Standard

The preparation of this British Standard was entrusted by Technical Committee EPL/100, Audio, video and multimedia systems and equipment, to Subcommittee EPL/100/3, Equipment and systems in the field of audio, video and audiovisual engineering, upon which the following bodies were represented:

- Association of British Theatre Technicians
- Audio Engineering Society
- British Broadcasting Corporation
- British Educational Suppliers Association
- British Federation of Audio
- British Radio and Electronic Equipment Manufacturers' Association
- British Telecommunications plc
- Federation of the Electronics Industry
- Independent Television Association (ITVA)
- Institute of Sound and Communication Engineers
- Institution of Electrical Engineers
- International Association of Broadcasting Manufacturers
- Professional Lighting and Sound Association
- Royal Institute of British Architects
- Royal National Institute for Deaf People
- Society of Cable Television Engineers

The following bodies were also represented in the drafting of this standard through subcommittees and panels:

- Association of Professional Recording Services Ltd.
- ERA Technology Ltd.
- Lighting Industry Federation Ltd.

This British Standard, having been prepared under the direction of the Electrotechnical Sector Board, was published under the authority of the Standards Board and comes into effect on 15 April 1997

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The following BSI references relate to the work on this standard:
Committee reference EPL/100/3
Draft for comment 95/207380 DC

ISBN 0 580 26670 2

Amendments issued since publication

Amd. No.	Date	Comments

Contents

	Page
Committees responsible	Inside front cover
National foreword	ii
Foreword	2
Text on EN 55103-1	3

National foreword

This British Standard has been prepared by Subcommittee EPL/100/3, and is the English language version of EN 55103-1:1996 *Electromagnetic compatibility — Product family standard for audio, video, audio-visual and entertainment lighting control apparatus for professional use — Part 1: Emission*, published by the European Committee for Electrotechnical Standardization (CENELEC).

Cross-references

Publication referred to	Corresponding British Standard
	BS EN 50081 <i>Electromagnetic compatibility. Generic emission standard</i>
EN 50081-1:1992	BS EN 50081-1:1992 <i>Residential, commercial and light industry</i>
EN 50081-2:1993	BS EN 50081-2:1994 <i>Industrial environment</i>
EN 55013:1990 (CISPR 13:1975)	BS 905 <i>Sound and television broadcast receivers and associated equipment: electromagnetic compatibility</i> Part 1:1991 <i>Specification for limits and methods of measurement of radio disturbance characteristics of broadcast receivers and associated equipment</i>
EN 55014:1993 (CISPR 14:1993)	BS EN 55014:1993 <i>Limits and methods of measurement of radio disturbance characteristics of electrical motor-operated and thermal appliances for household and similar purposes, electric tools and similar electric apparatus</i>
EN 55022:1987 (CISPR 22:1985)	BS EN 55022:1995 <i>Limits and methods of measurement of radio disturbance characteristics of information technology equipment</i>
EN 60065:1994 (IEC 65:1985)	BS EN 60065:1994 <i>Safety requirements for mains operated electronic and related apparatus for household and similar general use</i>
HD 483.3 S2:1992 (IEC 268-3:1988)	BS 6840 <i>Sound system equipment</i> Part 3:1992 <i>Methods for specifying and measuring the characteristics of sound system amplifiers</i>
	BS EN 61000 <i>Electromagnetic compatibility</i>
	BS EN 61000-3 <i>Limits</i>
EN 61000-3-2:1995 (IEC 1000-3-2:1995)	BS EN 61000-3-2:1995 <i>Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)</i>
EN 61000-3-3:1995 (IEC 1000-3-3)	BS EN 61000-3-3:1995 <i>Limitation of voltage fluctuations and flicker in low-voltage supply systems for equipment with rated current ≤ 16 A</i>
	BS EN 61000-4 <i>Testing and measurement techniques</i>
EN 61000-4-11:1994 (IEC 1000-4-11:1994)	BS EN 61000-4-11:1994 <i>Voltage dips, short interruptions and voltage variations — immunity tests</i>
IEC (50)161:1990	BS 4727 <i>Glossary of electrotechnical, power, telecommunications, electronics, lighting and colour terms</i> Part 1: <i>Terms common to power, telecommunications and electronics</i> Group 09:1991 <i>Electromagnetic compatibility</i>
	BS IEC 1000 <i>Electromagnetic compatibility (EMC)</i>
	BS IEC 1000-2 <i>Environment</i>

IEC 1000-2-5:1995	BS IEC 1000-2-5:1995 <i>Classification of electromagnetic environments. Basic EMC publication</i>
	BS IEC 1000-3 <i>Limits</i>
IEC 1000-3-5:1994	BS IEC 1000-3-5:1994 <i>Limitation of voltage fluctuations and flicker in low-voltage power supply systems for equipment with rated current > 16 A</i>

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Summary of pages

This document comprises a front cover, an inside front cover, pages i to iv, the EN title page, pages 2 to 18 and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

ICS 29.020

Descriptors: Electromagnetic compatibility, video equipment, radio equipment, control equipment, lighting, theatres, specifications, emission, electromagnetic interference, measurements, limits

English version

Electromagnetic compatibility — Product family standard for audio, video, audio-visual and entertainment lighting control apparatus for professional use Part 1: Emission

Compatibilité électromagnétique —
Norme de famille de produits pour les appareils
à usage professionnel audio, vidéo, audiovisuels
et de commande lumière pour spectacles
Partie 1: Emissions

Elektromagnetische Verträglichkeit
Produktfamilienorm für Audio-, Video- und
audiovisuelle Einrichtungen sowie für
Studio-Lichtsteuereinrichtungen für
professionellen Einsatz
Teil 1: Störaussendung

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CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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Foreword

This European Standard was prepared by SC 210A, EMC products, of Technical Committee CENELEC TC 210, EMC.

Compliance with this standard may be used to demonstrate presumption of compliance with the protection requirements in the EMC Directive (89/336/EEC).

The text of the draft was submitted to a formal vote and was approved by CENELEC as EN 55103-1 on 1996-07-02.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 1997-03-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 1999-09-01

Contents

	Page
Foreword	2
1 Scope	3
2 Normative references	3
3 Objective	4
4 Definitions	4
5 Electromagnetic environment	5
6 Disturbance phenomena	5
7 Conditions during measurement	6
8 Documentation for the purchaser/user	6
9 Emission limits	7
Annex A (normative) Method of measurement of radiated magnetic fields, 50 Hz to 50 kHz	10
Annex B (normative) Method of measurement of inrush current	12
Annex C (informative) Apparatus using infra-red radiation for signal transmission or control purposes	12
Annex D (informative) Use of apparatus near wireless microphone receivers and receiving antennas.	12
Annex E (informative) An alternative method of measurement of conducted emissions from signal, control and d.c. power ports, 0,15 to 30 MHz	13
Annex F (informative) Limitation of "Hot switching" Inrush Current (under consideration)	14
Annex G (informative) Background to the standard and justification of adopted methods and limits for this standard and for its companion on immunity (EN 55103-2).	14
Figure 1 — Examples of ports	5
Figure A.1 — Construction of the loop sensor	11
Figure A.2 — Typical test setup for radiated emissions, magnetic field, 50 Hz to 50 kHz	11
Figure D.1 — Guidance for requirements on enclosure port emission for apparatus intended to be used near the antennas of wireless microphones	13
Table 1 — Methods of Measurement	8
Table 2 — Emissions Limits	9