

Domestic and similar electronic equipment interconnection requirements: AV link —

Part 2-2: Basic system oriented commands

The European Standard EN 50157-2-2:1998 has the status of a British Standard

ICS 33.160.30

NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW

BSI
Documents



Document Sharing Hub

National foreword

This British Standard is the English language version of EN 50157-2-2:1998.

The UK participation in its preparation 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, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this subcommittee can be obtained on request to its secretary.

Cross-references

The British Standards which implement international or European publications referred to in this document may be found in the BSI Standards Catalogue under the section entitled “International Standards Correspondence Index”, or by using the “Find” facility of the BSI Standards Electronic Catalogue.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 13 and a back cover.

This British Standard, having been prepared under the direction of the Electrotechnical Sector Committee, was published under the authority of the Standards Committee and comes into effect on 15 May 1999

© BSI 05-1999

Amendments issued since publication

Amd. No.	Date	Text affected

ISBN 0 580 32041 3

ICS 33.160.30; 33.160.40

Descriptors: television systems, peritelevision devices, appliance interconnection, control systems, connectors, datatransmissions, message, frame check sequence, protocol

English version

Domestic and similar electronic equipment interconnection requirements: AV link — Part 2-2: Basic system oriented commands

Spécification des interconnexions des équipements électroniques domestiques et à usage analogue:
AV link — Partie 2-2: Commandes de base du système

Kennwerte für die Kleinsignalverbindung zwischen elektronischen Geräten für den Heimgebrauch und ähnliche Anwendungen: AV link —
Teil 2-2: Grundlegende systemorientierte Befehle

This European Standard was approved by CENELEC on 1998-08-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

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

Central Secretariat: rue de Stassart 35, B-1050 Brussels

© 1998 CENELEC — All rights of exploitation in any form any by any means reserved worldwide for CENELEC national Members.

Foreword

This European Standard was prepared by the former Technical Committee CENELEC TC 203, Electronic entertainment and educational systems for household and similar use (in July 1998 TC 203 has become part of TC 206, Consumer equipment for entertainment and information and related sub-systems).

The text of the draft was submitted to the formal vote and was approved by CENELEC as EN 50157-2-2 on 1998-08-01.

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) 1999-08-01;
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 1999-08-01.

Contents

	Page
Foreword	2
1 Scope	3
2 Normative references	3
3 The AV link model	4
4 Abbreviations and definitions	5
5 The AV link interconnection chain	5
6 The physical medium	8
7 The mode 2 frame format	9
8 The frame communication	11
9 The mode 2 message structure	11
10 The mode 2 “Opcode” table	12

1 Scope

AV link devices may communicate with each other in AV link mode 2 by sending and receiving basic system oriented commands. The AV link mode 2 communication takes place via the AV link on contact 10 of the peritelevision connector as specified in EN 50049-1.

By sending AV link system oriented commands a device may control some basic functions of other devices. For instance an AV link television may control some functions of an AV link video cassette recorder.

This document specifies the AV link communication protocols and the basic AV link commands within mode 2.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 50049-1, *Domestic and similar electronic equipment interconnection requirements: Peritelevision connector*.

EN 50157-1, *Domestic and similar electronic equipment interconnection requirements: AV link — Part 1: General*.

EN 50157-2-1, *Part 2-1: Signal quality matching and automatic selection of source devices*

IEC 60807-9, *Rectangular connectors for frequencies below 3 MHz — Part 9: Detail specification for a range of peritelevision connectors*.