

PJLink Operational Rules

Version 1.03

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1. About PJLink

PJLink is a standard protocol of commands for data projector network control established by the Japan Business Machine and Information System Industries Association (JBMIA). All rights related to PJLink belong to JBMIA.

2. Purpose

The Rules contain provisions necessary for smooth operation and management of PJLink, which is a standard protocol for projector control.

This document was prepared to complement Japanese document and the Japanese document have a priority to any contents of this document.

3. Applicable Products

The following products are applicable:

- PJLink-compliant projectors and peripheral equipment
- PJLink-compliant controllers and control software

4. Operational Expenses

PJLink shall be operated by business participation fees of the JBMIA Data Projector Group and special disbursements shall be deliberated and decided by the JBMIA Data Projector Group, which operates and manages PJLink.

5. Disclosure of the Standard

1) Disclosure Method

A set of PJLink specifications and a set of test programs shall be disclosed to the public through the Website of JBMIA. The Website operation rules shall be established separately (Not disclosed to the public).

2) Specification downloading

The PJLink specification can be downloaded from the Website of JBMIA.

The following information is collected in a questionnaire format to spread, review and implement PJLink.

- Name of company or organization
- Business category (multiple choices)
- Category of business work or service (multiple choices)
- Purpose of use (multiple choices)

JBMIA possesses copyrights of the downloaded PJLink specification. Revisions of the downloaded specification by the user are prohibited. When distributed to a third party, the set of the PJLink specifications shall be distributed. The user shall obtain a written permission of JBMIA in advance when specifications are distributed to large numbers of the general public.

6. Qualification for Participation in Compilation of the Standard

Only the members of JBMIA, consolidated subsidiaries of the members and manufacturers and sellers, which are JBMIA supporting members, of applicable products approved by consultation of the JBMIA Data Projector Group may participate in the compilation work of the PJLink standard (hereinafter “the business establishments”).

7. Policy for Implementing the Standard

PJLink may be implemented with equipment specified in Clause 3 and shipped* after April, 2005.

Those who approve of this standard shall endeavor to implement PJLink with data projectors and peripheral equipment and shall make an effort to spread and develop PJLink by targeting to implement entire PJLink Class 1 in the future.

* “Shipped” means a condition in which equipment is available to third parties.

8. Operation during Implementation of the Standard

The conditions for the business establishments to implement and ship PJLink in applicable products shall be as follows.

- 1) To obtain a standards conformity verification tool offered by JBMIA to the general public through its Website and to verify conformity by independent tests conducted by the business establishments.
- 2) The business establishments shall enter into the PJLink Trademark and Logo Licensing Agreement and shall submit to JBMIA “Application for Registration” for each model.
- 3) PJLink-compliant projectors and peripheral equipment are required to pay a registration fee first time only after entering into the PJLink Trademark and Logo Licensing Agreement. Fee payment is not required when registering PJLink-compliant controllers and control software. The registration fee shall be ¥600,000, which shall be used as expenses for upgrading specification versions, system maintenance and management expense and administrative expense.

The business establishments are required to submit registration applications and to enter into mutual agreement before shipping applicable products.

The information required in making registration application is specified separately.

- 4) The business establishments are required to write the following information in documents on products such as instruction manuals for all conforming products.
 - i) A sentence stating conformance with the PJLink standard.
 - ii) The class to which the product conforming to PJLink and list of commands implemented or a list of commands not implemented. If all commands are implemented, a statement to that effect shall be written.
 - iii) The PJLink standard specification version which was used when conformity was confirmed.

9. Compatibility

1) Verification method

- The business establishments shall conduct independent tests by them using “the standard conformity verification tool” which is disclosed to the general public by JBMIA through its Website.
- Conformity to the standard of the product based on test results shall be guaranteed by the business establishments.

2) Exemption Clause

- The standard conformity verification tool is a tool to verify minimum and necessary conformity and does not warrant an compatibility among all equipment.
- The standard conformity verification tool does not warrant reliability or other characteristics of the equipment.

10. Quality Assurance

- 1) The business establishments shall express and guarantee that the applicable conformity products meet the PJLink specification to the best of their knowledge.
- 2) If requested by JBMIA by a letter 30 days in advance, the business establishments shall furnish product samples and other items related to the conforming products to JBMIA as necessary.
The business establishments shall fully cooperate in having their products periodically inspected to probe that their products meet the applicable PJLink specification.
- 3) Should JBMIA judge that quality of conforming products submitted to JBMIA for the purposes of quality control fail to meet the Operational Rules, the business establishments shall perfectly restore such nonconforming or defective parts or portions within 90 days after notice by JBMIA. If the business establishments fail to perfectly restore such nonconforming or defective parts or portions, JBMIA may cancel the license and registration for the PJLink trademark on such nonconforming or defective products.
- 4) If JBMIA cancels license and registration of the PJLink trademark, the business establishments shall forthwith stop sale of nonconforming or defective products.

11. Future Expansion

- 1) Parallel with the spreading of projectors, desires to integratedly manage and control them are expected to further increase in the future. PJLink has been established in anticipation of such demand and is expected to widely spread as a protocol that can control projectors without experiencing differences in projector vendors and models.
- 2) PJLink will be operated and managed so that it will make a further contribution to the growth of the projector industry as a protocol that always reflects needs of the times by further expanding functions tailored to diverse applications and demand in addition to the basic functions.