

A decorative graphic on the left side of the slide features a vertical black line intersecting a horizontal black line. To the left of the intersection are three overlapping squares: a blue one on top, a red one on the left, and a yellow one on the bottom. The text 'PJLink Introduction' is positioned to the right of this graphic.

PJLink Introduction

PJLink WG,
Data Projector Group,
Japan Business Machine and Information System
Industries Association (JBMIA)



Background

- Projectors are currently monitored and controlled mainly using RS-232C (serial interface). However, networking will be more common in the future.
- RS-232C did not achieve system unification in the initial phase, consequently complexity and non-systematization are still lingering.
- Recently, many projectors are purchased and delivered in bulk, which include projectors from several vendors resulting in mixed installations.
- Many people are beginning to require a monitoring and control method that enables one control equipment to batch control projectors manufactured by multiple vendors through a network.



Objective

- To implement early systematization of projector monitoring and control through a network, which is anticipated to be the mainstream in the future under JBMIA's leadership , to enhance user convenience and to promote spreading of projectors.

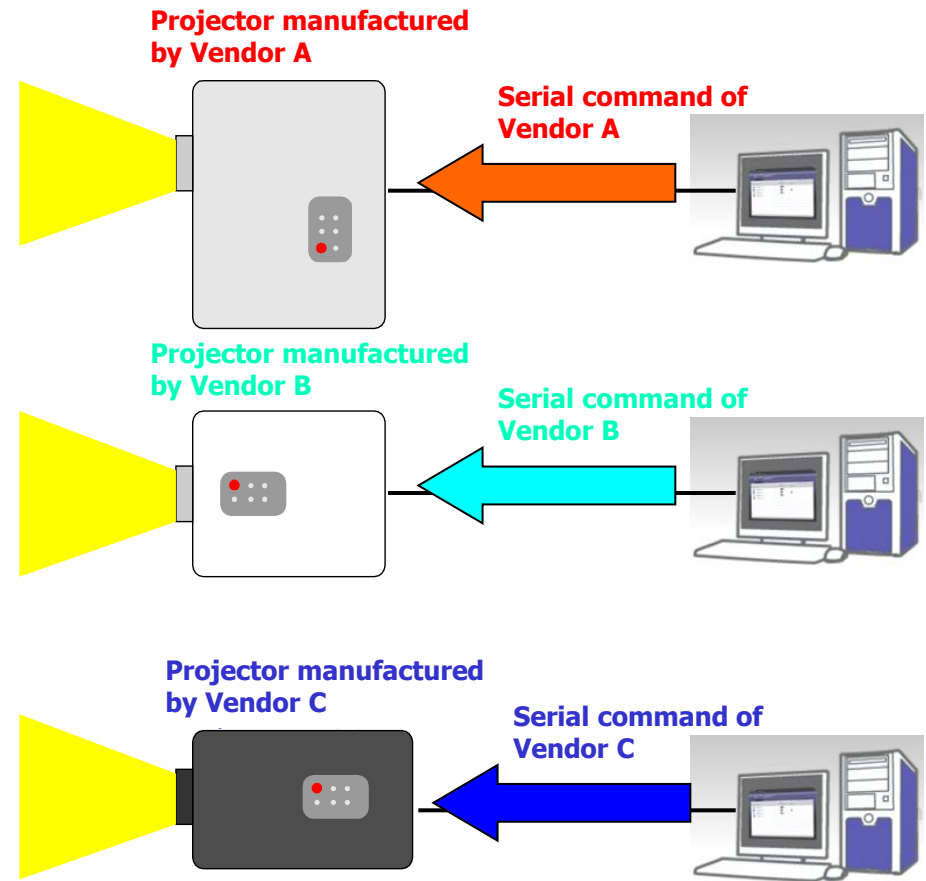
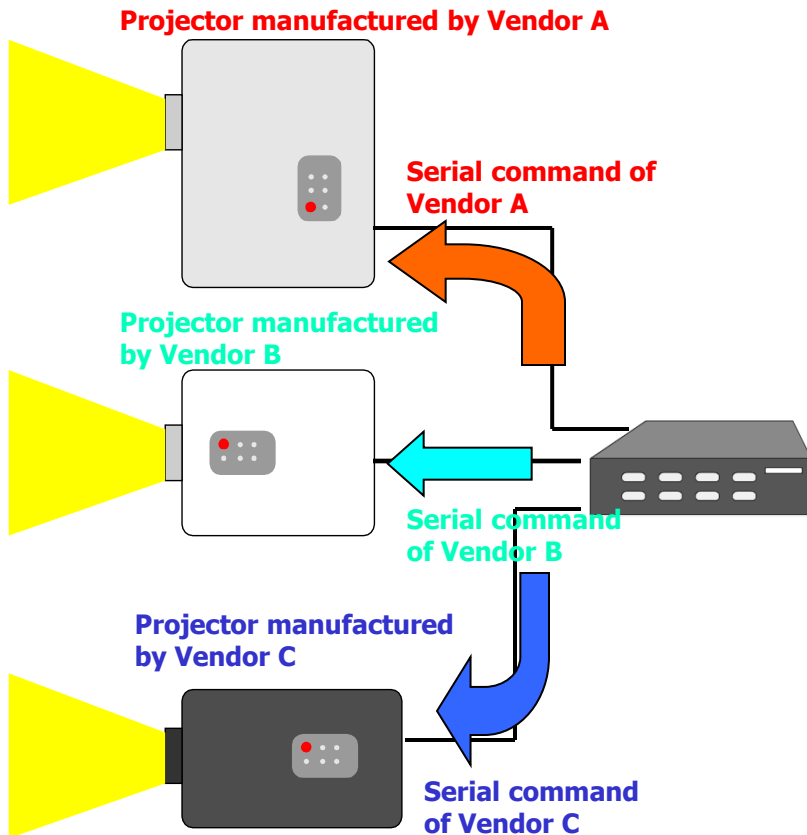
A decorative graphic consisting of overlapping yellow, red, and blue squares with a black crosshair.

Advantages

- Monitoring and control of projectors manufactured by more than one vendor through a network allows easy building of large projector systems.
- PJLink offers significant advantages to users such as one-source control of systems and a drastic reduction in installation cost.

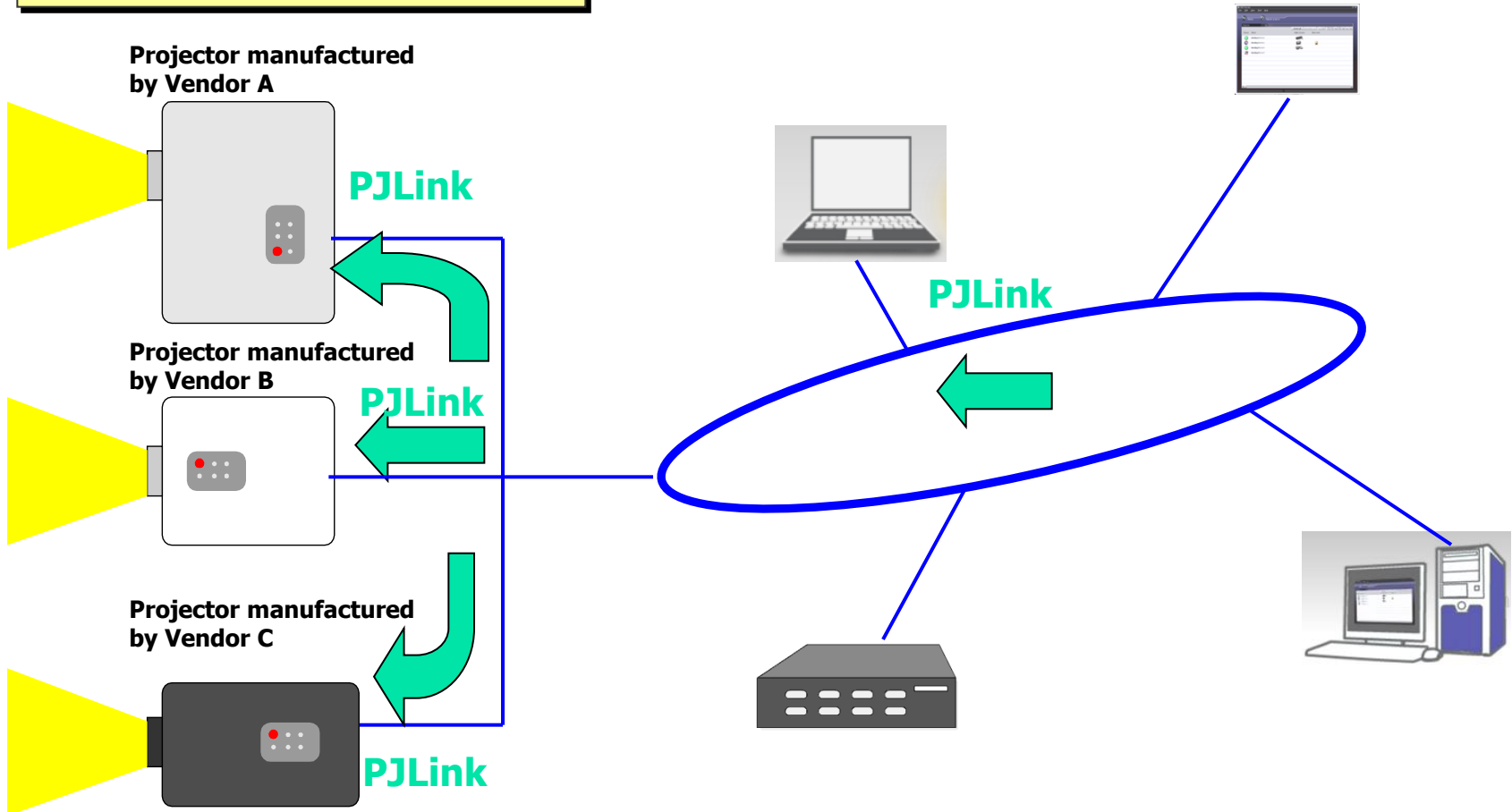
Conceptual Diagram

Control at present by RS-232C



Conceptual Diagram

Network Control by PJ Link





Classes

- Class 1 (Phase 1 activities)
Standardization of control and monitoring specifications of basic projector functions
- Class 2 and After
Study of expansion of control specifications and other standardization that is not swayed by control.

A decorative graphic consisting of overlapping yellow, red, and blue squares with a black crosshair.

Defined Areas

- **Connection**
Procedures to connect projectors and to receive authentication from projectors.
- **Control**
Procedures to control projectors and to refer to projector status.
- **Command Format**
Format to send and receive commands with projectors



Basic Functions (Control)

- Basic projector control
 - Power control
 - Input changeover
 - Audio mute and blanking control



Basic Functions (Inquiries)

- Gets various information and status of projectors
 - Power state
 - Input changeover state
 - Audio mute and blanking state
 - Error state
 - Lamp operation hours
 - Projector names, model names, vendor names



Logo

The following logo has been established.

PLink