

A decorative graphic on the left side of the slide. It features a vertical black line intersecting a horizontal black line. To the left of the intersection, there are three overlapping squares: a blue one on top, a red one on the left, and a yellow one on the bottom. The squares have a slight gradient and are partially obscured by the lines.

# PJLink Introduction

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



## Background

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- 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

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- 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 is located on the left side of the slide. It features a vertical black line intersecting a horizontal black line. To the left of the vertical line, there are three overlapping squares: a yellow one at the top, a red one in the middle, and a blue one at the bottom. The word 'Advantages' is written in a large, blue, sans-serif font to the right of the vertical line.

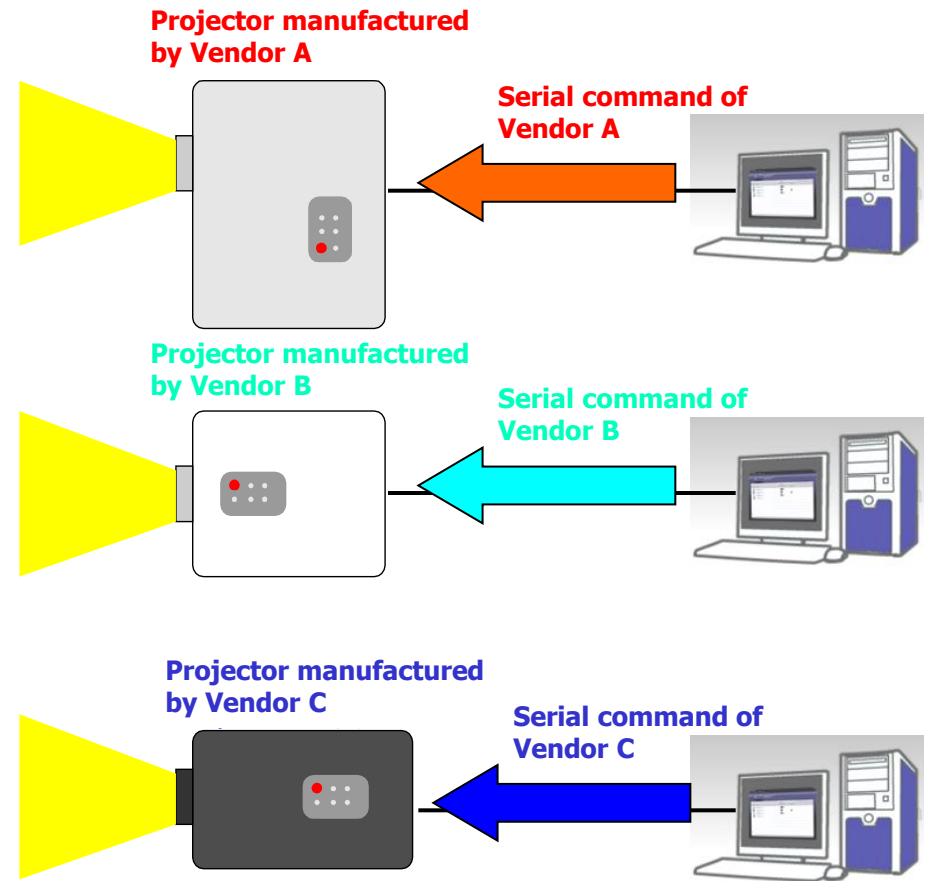
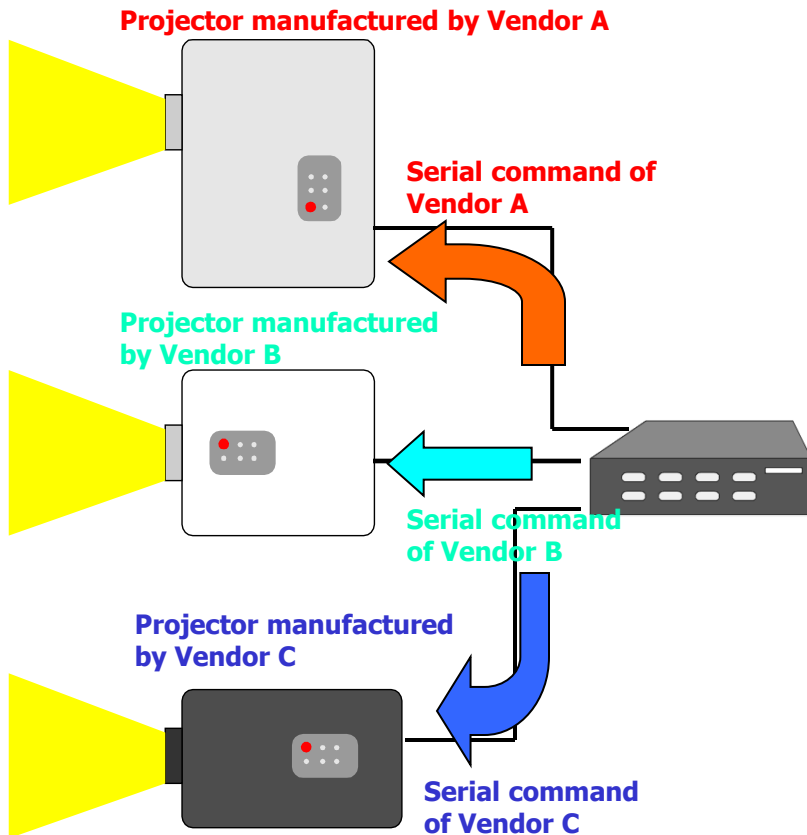
# Advantages

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- 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.

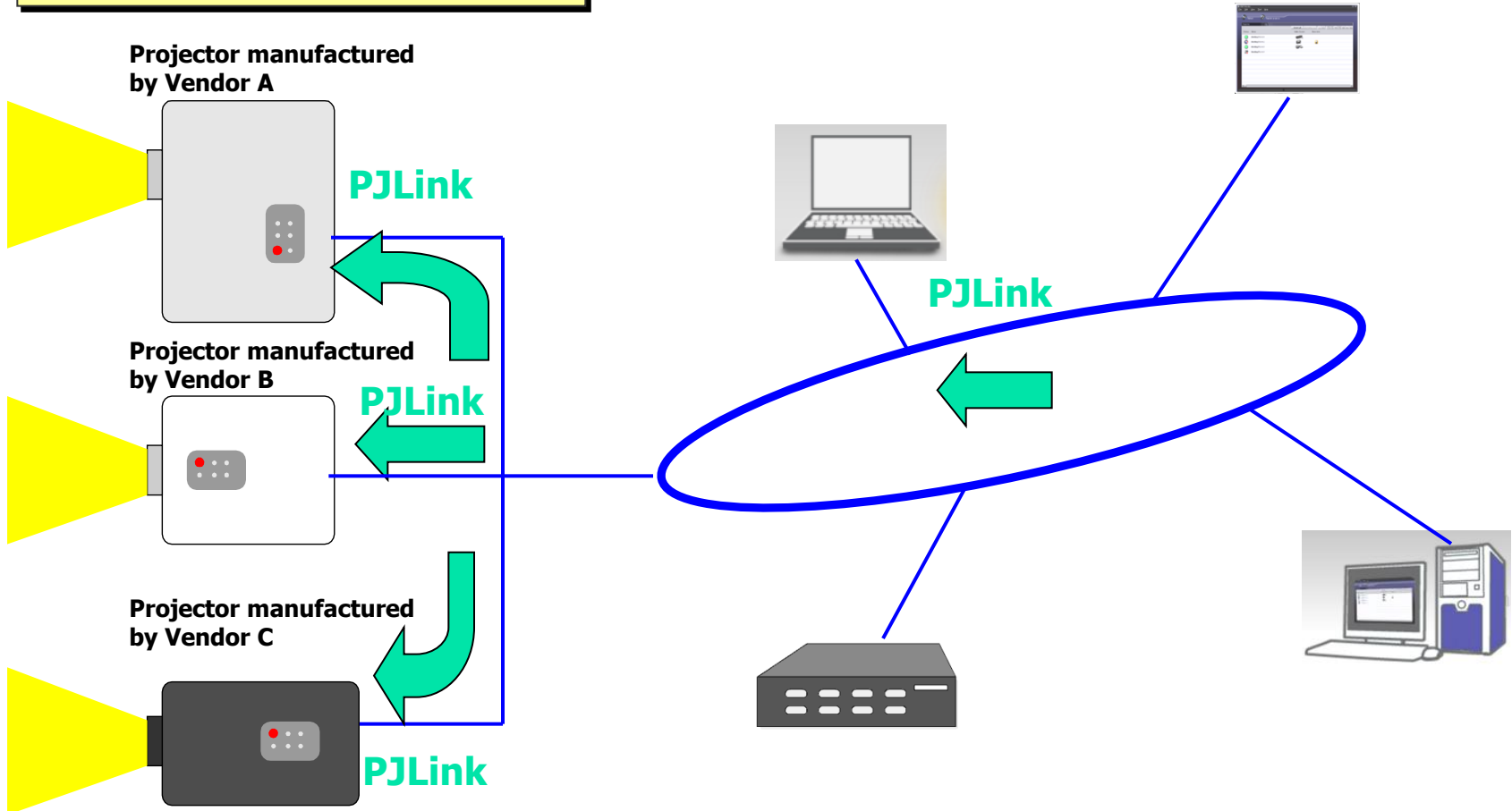
# Conceptual Diagram

**Control at present by RS-232C**



# Conceptual Diagram

## Network Control by PJ Link





# Classes

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- 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

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- **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)

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



## Basic Functions (Inquiries)

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- 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

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The following logo has been established.

**PLink**