

# Introduction of PJLink

PJLink Working Group,  
JBMIA Data Projector Group

# What is PJLink

## Purpose & Development of PJLink

PJLink provides an easy system to monitor and control video equipment which will further spread into every aspect of our life – in companies, schools, public facilities, shops, amusement facilities, etc.

The PJLink Class1 defined the basic specifications, to monitor and control projectors/ displays via a commonly-used network, and released it to the public in April 2005.

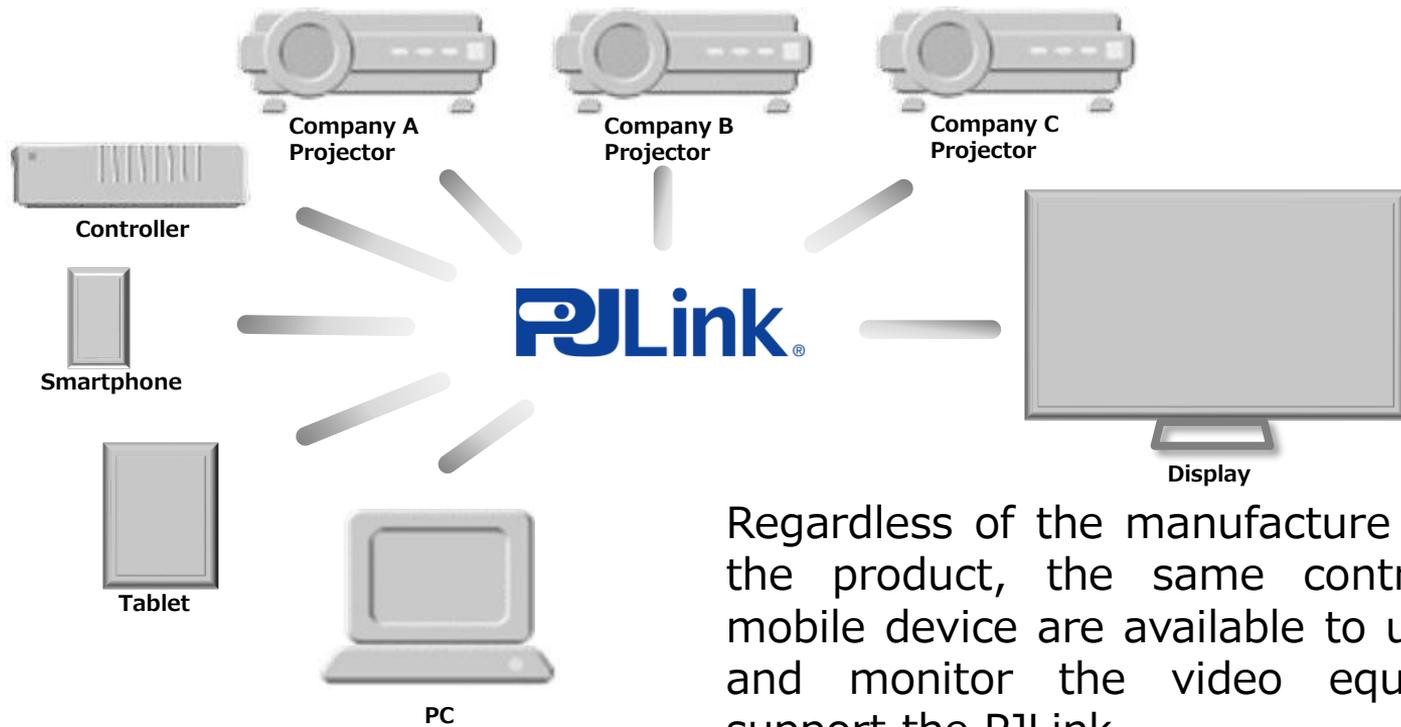
The PJLink Class2 was developed as extended edition of the Class1 – and released this in July 2016.

## What PJLink provides

Regardless of the manufacture or the type of the product, the same controller and software are available to unitarily control and monitor the products which support the PJLink. We believe the PJLink can enhance the usability of the product well.

Furthermore, in the case of implementation as a system, it is capable of leading to reduced time and costs.

# Concept of PJLink



Regardless of the manufacture or the type of the product, the same controller, PC and mobile device are available to unitarily control and monitor the video equipment which support the PJLink.

# Categories defined by PJLink

For PJLink, standards are defined for three categories.

## ■ Connection

Procedures to connect the projector/display, and procedures for being recognized by the projector/display.

## ■ Control

Procedures to control the projector/display, and procedures to monitor the state of the projector/display.

## ■ Command format

The command format to communicate with the projector/display.

# About Class

For PJLink, two Classes are defined.

## ■ Class1

Defines control and monitoring specifications for basic projector/display functions via a network.

## ■ Class2

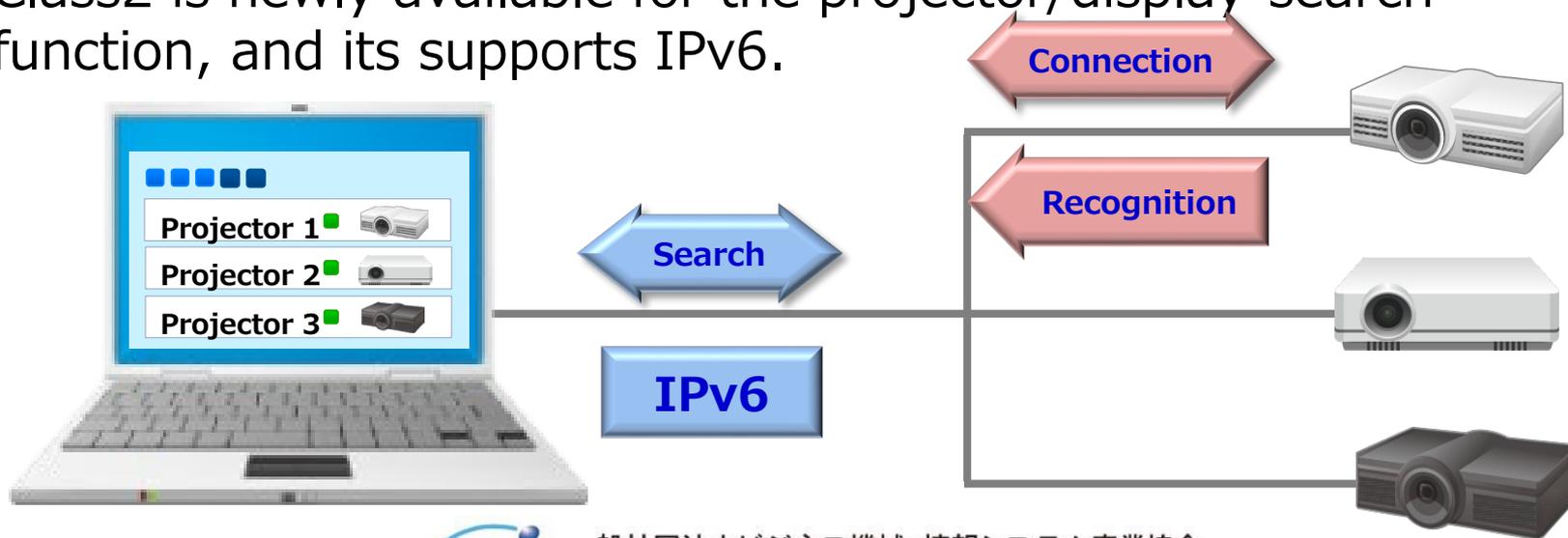
The following functions are expanded from the PJLink Class1.

- Device-search function
- Spontaneous state-transmission function
- Compatible with IPv6
- Control command

# Connection

Regarding the connection category, procedures to start communication and recognition between the projector/display and the control equipment are defined.

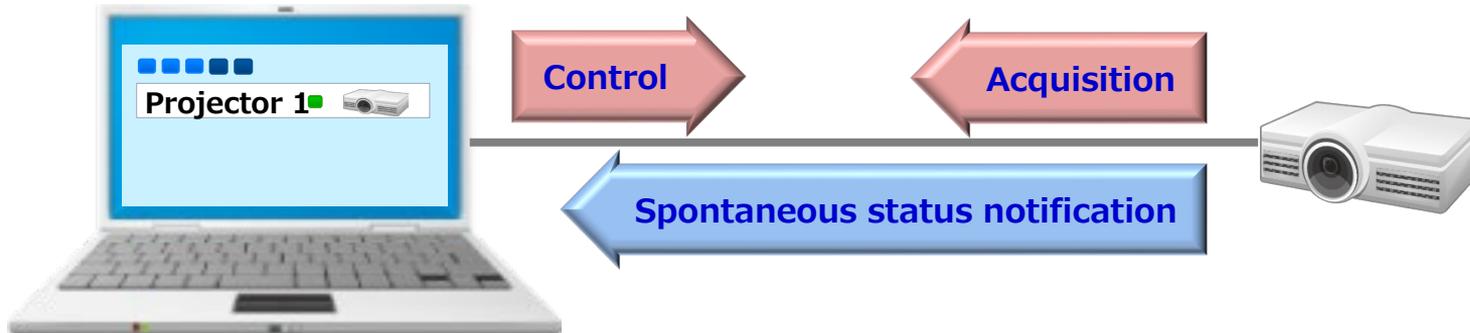
Class2 is newly available for the projector/display-search function, and its supports IPv6.



# Control

For the control category, procedures necessary for control equipment to control the projector/display, and procedures to get information about the state of the projector/display are defined.

In Class2, the spontaneous status notification function is added in the case of a change of the state of the projector/display.



# Command Format

For the command format category, the command formats to set the projector/display and to get information about the state thereof are defined.

C l a s s 2	<b>Set system</b>	<b>Acquisition system</b>		
	Microphone volume	Freeze state	Software version	Filter used hours
	Freeze control	Serial No.	Lamp/filter replacement model No.	
	Speaker volume	Name of input terminal	Input resolution, recommended resolution	
C l a s s 1	<b>Set system</b>	<b>Acquisition system</b>		
	Power-supply control	Power-supply control	Number of lamps/used hours	Error state
	Input switching	Input state	Acquisition of equipment name	
	Av mute control	AV mute state	Acquisition of manufacturer's name	

# Future Development

**In addition to carrying out activities to widely spread PJLink, the PJLink working group will work on the improvement of PJLink to provide a more user-friendly environment for the usage of video equipment.**

The PJLink logo is centered on the page. It features the letters "PJLink" in a bold, blue, sans-serif font. The "P" and "J" are stylized, with the "P" having a circular cutout and the "J" having a circular dot. A registered trademark symbol (®) is located to the right of the "k".