



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.

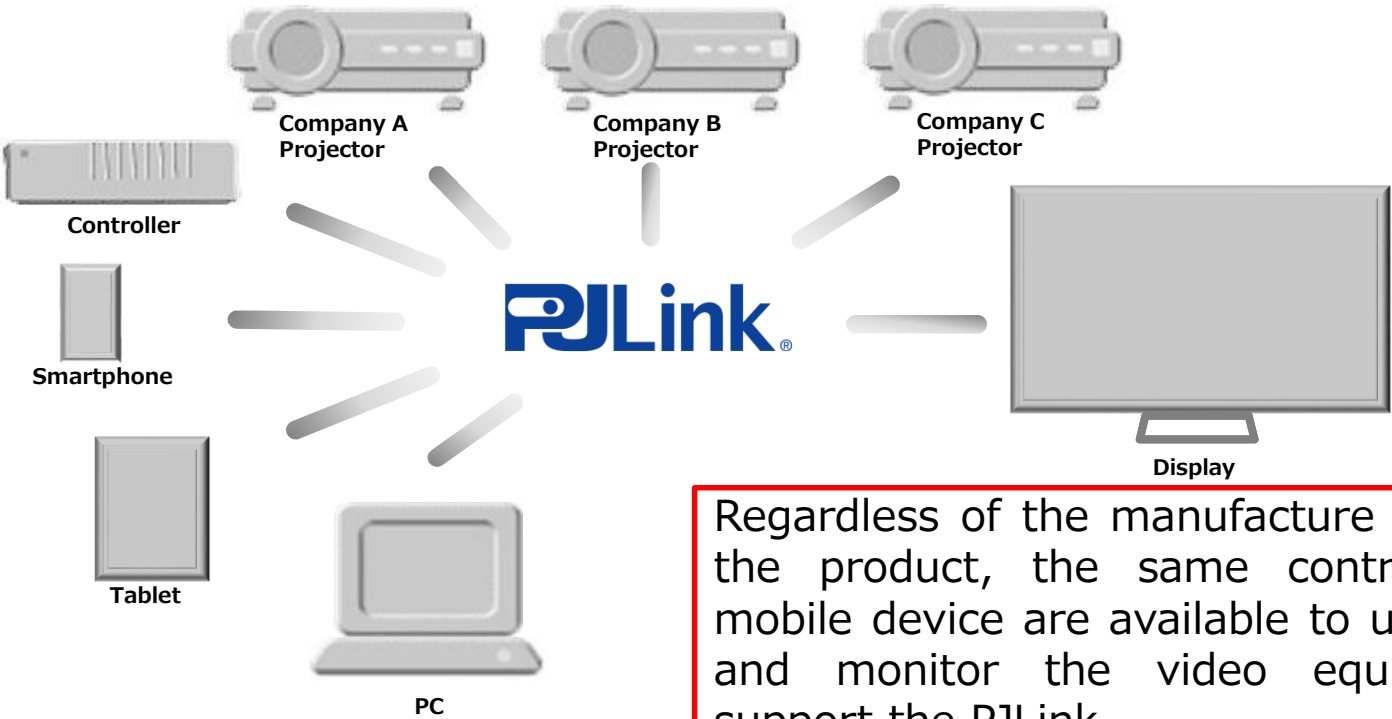
The PJLink Class2 was developed as extended edition of the Class1 – and released this in July 2016.

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 is addedを消しました

■ Spontaneous state-transmission function is addedを消しました

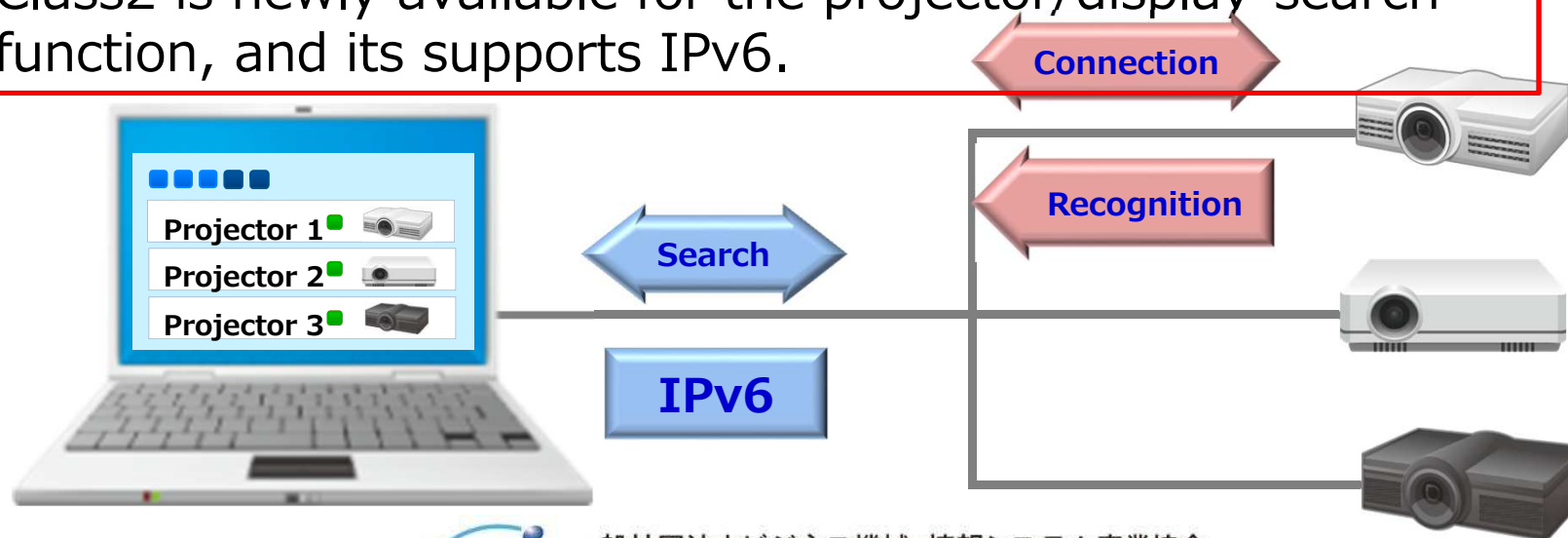
■ Compatible with IPv6

■ Control command is addedを消しました

Connection

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

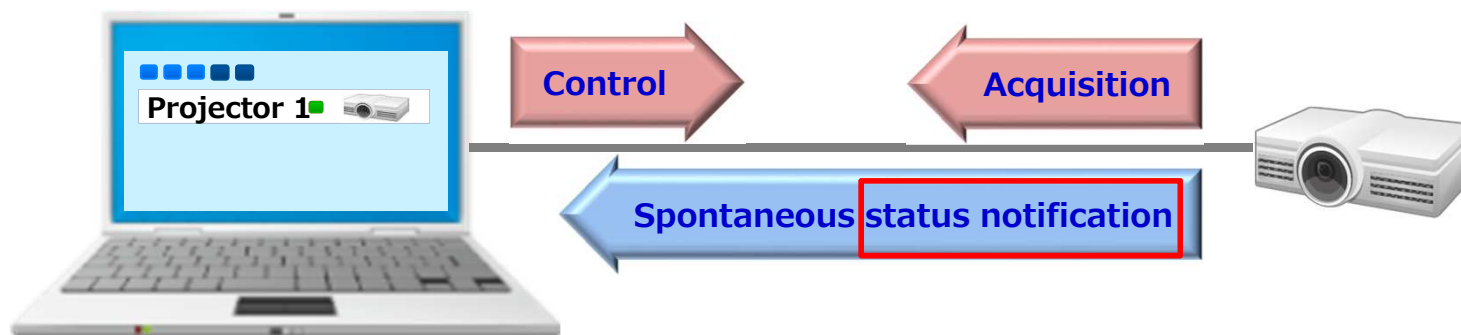
Class2 is newly available for the projector/display-search function, and its supports IPv6.



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 I A S	Set system	Acquisition system		
		<ul style="list-style-type: none"> Microphone volume Freeze control Speaker volume 	<ul style="list-style-type: none"> Freeze state Serial No. Name of input terminal 	<ul style="list-style-type: none"> Software version Lamp/filter replacement model No. Input resolution, recommended resolution
C I A S	Set system	Acquisition system		
	<ul style="list-style-type: none"> Power-supply control Input switching Av mute control 	<ul style="list-style-type: none"> Power-supply control Input state AV mute state 	<ul style="list-style-type: none"> Number of lamps/used hours Acquisition of equipment name Acquisition of manufacturer's name 	<ul style="list-style-type: none"> Error state

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.

, going beyond control and monitoring to give serious consideration to user needs.
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