



Dell™-MIB Definitions for Dell 5100MP Projector

Dell-5100MP-Projector-MIB DEFINITIONS ::= BEGIN

-- Revision History
-- Release: A1.3 2006/02/08
-- Add Object IDs, re-define syntax and add variable for volume control
-- This release is for 5100MP projectors manufactured after 10 Apr. 2006 with network firmware C1.3

IMPORTS

MODULE-IDENTITY, OBJECT-TYPE, Integer32,
NOTIFICATION-TYPE, enterprises, Counter32,
Opaque FROM SNMPv2-SMI

TEXTUAL-CONVENTION, DisplayString, TruthValue
FROM SNMPv2-TC;

-- textual conventions

-- DisplayString ::=

-- OCTET STRING

-- This data type is used to model textual information taken from the NVT ASCII character set. By convention, objects with this syntax are declared as having SIZE(0..255)

dell MODULE-IDENTITY

LAST-UPDATED "200602080001Z"

ORGANIZATION "Dell Inc."

CONTACT-INFO

"

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"

DESCRIPTION

"The Dell 5100MP Projector MIB."
::= { enterprises 674 }

projectors OBJECT IDENTIFIER ::= { dell 10899 }

projectorgroup1 OBJECT IDENTIFIER ::= { projectors 100 }

dellMIB5100MP OBJECT IDENTIFIER ::= { projectorgroup1 1 }

pjtState OBJECT-TYPE

SYNTAX INTEGER {

off(0),

on(1),

cooling(3) -- a temporary state between on and off

}

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"

A value which indicates the current state of the projector.

0: Off; 1: On 3: Cooling;

"

::= { dellMIB5100MP 1 }

pjtLampHour OBJECT-TYPE

SYNTAX INTEGER (0..16383)

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"

A value which indicates the lamp hours of the projector, that is, the number of hours the lamp has been turned on since it was replaced.

"

::= { dellMIB5100MP 3 }

pjtTemperature OBJECT-TYPE

SYNTAX INTEGER (0..255)

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"

A value which indicates the temperature of the projector in degrees Celsius.

"

::= { dellMIB5100MP 5 }

pjtPowerButton OBJECT-TYPE

SYNTAX INTEGER {

off(0), -- will go through a cooling period before power off

on(1)

}

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"

A command value which can be used to power on/off the projector. This command will affect the value of `pjtState`.

NOTE: In general, a projector will not power down immediately, but will enter a period of cooling before powering off. This transition will be reflected in the value of `pjtState`.

0: Off ; 1:On

"

::= { dellMIB5100MP 6 }

pjtSourceButton OBJECT-TYPE

SYNTAX INTEGER {

m1RGB(113),

m1DRGB(114),

m1Component(115),

vgaRGB(117),

vgaComponent(118),

bncRGB(120),

bncComponent(121),

rcaComponent(123),

sVideo(125),

composite(126),

hdmi(127),

noVideoSource(170)

}

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"

A command which indicates to search source for projection.

113: M1 RGB; 114: M1 DRGB;

115: M1 Component; 117: VGA RGB;

118: VGA Component; 120: BNC RGB;

121: BNC Component; 123: RCA Component;

125: S-Video; 126: Composite;

127: HDMI; 170: No Source;

"

::= { dellMIB5100MP 7 }

pjtZoomInButton OBJECT-TYPE

SYNTAX INTEGER {

zoomIn(1)

}

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"

A command which indicates to zoom in image, that is, to produce a larger projected image.

"

::= { dellMIB5100MP 8 }

pjtZoomOutButton OBJECT-TYPE

SYNTAX INTEGER {

zoomOut(1)

}

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"

A command which indicates to zoom out image, that is, to produce a smaller projected image.

"

::= { dellMIB5100MP 9 }

pjtMuteButton OBJECT-TYPE

SYNTAX INTEGER {

audioMutedToggle(1)

}

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"

A command which to mute/enable audio output.

"

::= { dellMIB5100MP 10 }

pjtHideButton OBJECT-TYPE

SYNTAX INTEGER {

imageHiddenToggle(1)

}

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"

A command which to hide/display image.

"

::= { dellMIB5100MP 12 }

pjtVideoButton OBJECT-TYPE

SYNTAX INTEGER {

modePC(0),

modeMovie(1),

modeGame(2),

modeSRGB(3),

modeUserDefined(4)

}

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"

A command which sets the video mode.

0: PC mode ; 1: movie mode; 2: game mode;

3: SRGB mode; 4: user defined.

"

::= { dellMIB5100MP 13 }

pjtHKeystoneRight OBJECT-TYPE

```
SYNTAX INTEGER {
    hKeystoneRight(1)
}
```

```
MAX-ACCESS read-write
```

```
STATUS current
```

```
DESCRIPTION
```

```
"
```

A command which indicates to increase horizontal keystone of the right side, that is, the right side of the trapezoid will become smaller relative to the left side.

NOTE: If the projector is mounted upside-down, the effect of these keystoneing commands will appear to be reversed.

```
"
```

```
::= { dellMIB5100MP 14 }
```

```
pjtHKeystoneLeft OBJECT-TYPE
```

```
SYNTAX INTEGER {
```

```
    hKeystoneLeft(1)
```

```
}
```

```
MAX-ACCESS read-write
```

```
STATUS current
```

```
DESCRIPTION
```

```
"
```

A command which indicates to increase horizontal keystoneing to the left side, that is, the left side of the trapezoid will become smaller relative to the right side.

NOTE: If the projector is mounted upside-down, the effect of these keystoneing commands will appear to be reversed.

```
"
```

```
::= { dellMIB5100MP 15 }
```

```
pjtVKeystoneUp OBJECT-TYPE
```

SYNTAX INTEGER {

vKeystoneUp(1)

}

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"

A command which indicates to increase vertical keystone toward the top, that is, the top of the trapezoid (relative to the projector body) will become larger relative to the bottom.

NOTE: If the projector is mounted upside-down, the effect of these keystone commands will appear to be reversed.

"

::= { dellMIB5100MP 16 }

pjtVKeystoneDown OBJECT-TYPE

SYNTAX INTEGER {

vKeystoneDown(1)

}

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"

A command which indicates to decrease vertical keystone toward the top, that is, the top of the trapezoid (relative to the projector body) will become smaller relative to the bottom.

NOTE: If the projector is mounted upside-down, the effect of these keystone commands will appear to be reversed.

"

::= { dellMIB5100MP 17 }

pjtI69Button OBJECT-TYPE


```
SYNTAX INTEGER {  
    aspect1to1(1), -- square  
    aspect16to9(2), -- HDTV  
    aspect4to3(3) -- most computer monitor settings  
}
```

```
MAX-ACCESS read-write
```

```
STATUS current
```

```
DESCRIPTION
```

```
"
```

A command which sets the aspect ratio of the image.

1: 1:1; 2: 16:9; 3: 4:3.

```
"
```

```
::= { dellMIB5100MP 20 }
```

```
pjtBrightness OBJECT-TYPE
```

```
SYNTAX INTEGER (0..100)
```

```
MAX-ACCESS read-write
```

```
STATUS current
```

```
DESCRIPTION
```

```
"
```

A value which sets the brightness of the projector.

0(zero) is minimum brightness; 100 is maximum brightness.

```
"
```

```
::= { dellMIB5100MP 21 }
```

```
pjtContrast OBJECT-TYPE
```

```
SYNTAX INTEGER (0..100)
```

```
MAX-ACCESS read-write
```

```
STATUS current
```

```
DESCRIPTION
```

```
"
```

A value which sets the contrast of the projector.

0(zero) is lowest contrast; 100 is highest contrast.

"

::= { dellMIB5100MP 22 }

pjtSmtServer OBJECT-TYPE

SYNTAX DisplayString (SIZE(0..40))

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"

The SMTP server, which may be an IP V4 address or a domain name.

"

::= { dellMIB5100MP 23 }

pjtDstEmailAddr1 OBJECT-TYPE

SYNTAX DisplayString (SIZE (0..40))

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"

The 1-st destination E-mail address which will receive alert message when the projector is error.

"

::= { dellMIB5100MP 24 }

pjtDstEmailAddr2 OBJECT-TYPE

SYNTAX DisplayString (SIZE (0..40))

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"

The 2-nd destination E-mail address which will receive alert message when the projector is error.

"

::= { dellMIB5100MP 25 }

pjtVolume OBJECT-TYPE

SYNTAX INTEGER (0..30)

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"

The current volume of the projector.

0(zero) indicates minimum volume, that is, the smallest possible volume output; 30 indicates the maximum volume, that is, the largest possible volume output.

The value can be set directly as a command to change the volume level.

"

::= { dellMIB5100MP 26 }

END

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