

## Knoll Systems

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## Knoll Projector Discrete IR Codes

This table shows the discrete IR codes for the HD108, HD178, HD222, HD282, HD284, HD290, HD292, HDP404, HDP410, HDP420, HDP460 and HDP6000 projectors. **HDP1100 and HDP1200 codes are on the next page. HDP2100, HDP2300 and LED1081 are covered elsewhere.** Among other functions, they can be turned on and off with learning remote control discrete codes.

Knoll HD projectors use the NEC IR protocol.

The customer code portion for all projectors (except the HDP1100 and HDP1200) of the IR packet should use the hexadecimal value 0x4E87.

Key Name	Code	Description
Menu	0x02	Toggles menu state up or down
Brightness Plus	0x03	Increases brightness
Brightness Minus	0x07	Decreases brightness
Freeze	0x0E	Toggles freeze state on or off
Source Select	0x10	Selects next available source
Cursor Up	0x13	Moves menu cursor up
Cursor Down	0x14	Moves menu cursor down
Power	0x17	Toggles power state on or off
Keystone Plus	0x20	Increases keystone
Keystone Minus	0x21	Decreases keystone
Presets	0x2C	Toggles through available presets
Source1	0x2D	Selects programmed source
Source2	0x2E	Selects programmed source
Source3	0x2F	Selects programmed source
Source4	0x30	Selects programmed source
Blank	0x31	Toggles state of blank screen on or off
Select	0x32	Selects current menu item
Auto Image	0x33	Activates automatic image re-acquisition
Resize	0x34	Toggles through available resize modes
Overscan	0x35	Toggles overscan state on or off
Contrast Plus	0x36	Increases contrast
Contrast Minus	0x37	Decreases contrast
Discrete Power OFF	0x39	<b>Turns power off</b> (Not on our Remote)
Discrete Power ON	0x3A	<b>Turns power on</b> (Not on our remote)
Native Resize	0x3B	Selects Native Resize
16:9 Resize	0x3C	Selects 16:9 Resize
4:3 Resize	0x3D	Selects 4:3 Resize
Letterbox Resize	0x3E	Selects Letterbox Resize
Natural Wide Resize	0x3F	Selects Natural Wide Resize
User Preset 1	0x40	Selects User Preset 1
User Preset 2	0x41	Selects User Preset 2
User Preset 3	0x42	Selects User Preset 3
Discrete Blank Off	0x43	Forces state of blank screen to off
Discrete Blank On	0x44	Forces state of blank screen to on

Knoll HD projectors use the NEC IR protocol.

The customer code portion for the **HDP1100 and HDP1200** of the IR packet should use the hexadecimal value 0x807F.

<b>Key Name</b>	<b>Code</b>	<b>Description</b>
Power	0x00	toggles power on and off
Menu	0x01	toggles menu on and off
Up	0x02	moves cursor up
Down	0x03	moves cursor down