

Ignition Power Management Commands

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ignition enable

To enable the ignition module in the Cisco IR1800 routers, use the **ignition enable** command in global configuration mode.

To disable ignition power management, configure **no ignition enable** and **no ignition sense**.

ignition enable

no ignition enable

Syntax Description

Syntax	Description
ignition	Configure ignition power management on the router.
enable	Enable ignition power management on the router.

Command Default

No default behavior or values.

Command Modes

None.

Command History

Release	Modification
Cisco IOS XE Catalyst SD-WAN Release 17.6.1a	This command was introduced.

Usage Guidelines None

Example

The following example configures the router to detect whether a vehicle ignition is on or off:

```
ignition enable
ignition sense
```

ignition sense

To detect whether the ignition is on/off, use the **ignition sense** command in global configuration mode.

To disable ignition sense, configure **no ignition sense**.



Note The **no ignition sense** command is applicable only for IR1835 devices.

ignition sense

no ignition sense

Syntax Description

Syntax	Description
ignition sense	Configure the router to monitor the power supply voltage and detect whether ignition is on or off based on the configured thresholds. **Note** When ignition sense is disabled (on IR1835 only), it uses the ignition signal pin to detect whether ignition is on or off.

Command Default No default behavior or values.

Command Modes None.

Command History

Release	Modification
Cisco IOS XE Catalyst SD-WAN Release 17.6.1a	This command was introduced.

Usage Guidelines None.

Example

The following example configures the router to detect whether a vehicle ignition is on or off:

```
ignition enable
ignition sense
```

ignition battery-type

To configure the battery type used for input voltage, use the **ignition battery-type** command in global configuration mode.

ignition *battery-type* { **12 24** }

Syntax Description

Syntax	Description
battery-type	Configures the battery type as 12 V or 24 V.

Command Default

The default battery type is 12 V.

Command Modes

None.

Release	Modification
Cisco IOS XE Catalyst SD-WAN Release 17.6.1a	This command was introduced.

Usage Guidelines

None.

Example

The following example shows the battery type being configured as 12 volts:

```
ignition battery-type 12v
```

ignition off-timer

To delay router shutdown after the ignition status changes to **off**, use the **ignition off-timer command** in global configuration mode.

ignition off-timer *seconds*

Syntax Description

Syntax	Description
off-timer	Configures a delay (in seconds) before the router shuts down after the ignition is turned off.

Note The device shutdown process begins approximately 100 seconds before the configured off-timer value.

Command Default 300 seconds.

Command Modes None.

Command History

Release	Modification
Cisco IOS XE Catalyst SD-WAN Release 17.6.1a	This command was introduced.

Usage Guidelines None.

Example

The following example configures a delay of 300 seconds before the router shuts down after the ignition is turned off:

```
ignition off-timer 300
```

ignition undervoltage threshold

To configure undervoltage parameter to trigger system shutdown if the voltage drops below a specific threshold, use the **ignition undervoltage threshold** command in global configuration mode.

ignition undervoltage threshold *volts millivolts*

Syntax Description

Syntax	Description
undervoltage threshold	Configures the undervoltage parameter to trigger system shutdown if the voltage drops below a specific threshold.

Command Default 9.000 V

Command Modes None.

Command History

Release	Modification
Cisco IOS XE Catalyst SD-WAN Release 17.6.1a	This command was introduced.

Usage Guidelines None

Example

The following example configures an undervoltage of 9 V (shown as 9 V and 0 millivolts):

```
ignition undervoltage threshold 9 0
```

ignition sense-voltage threshold

To configure only a single threshold and set the **on-threshold** to threshold +0.2V and the **off-threshold** to threshold -0.2V, use the **ignition sense-voltage threshold** command in global configuration mode.

ignition sense-voltage threshold

Syntax Description

Syntax	Description
sense-voltage threshold	Configures only a single threshold and sets the on-threshold to threshold+0.2V and the off-threshold to threshold-0.2V

Command Default

No default behavior or values.

Command Modes

None.

Command History

Release	Modification
Cisco IOS XE Catalyst SD-WAN Release 17.6.1a	This command was introduced.

Usage Guidelines

None

Example

The following example configures an on-threshold voltage of +0.2V, and an off-threshold voltage of -0.2V:

```
ignition sense-voltage threshold
```

ignition sense-voltage on-threshold off-threshold

To configure the on-threshold voltage and off-threshold voltage separately, use the **ignition sense-voltage on-threshold off-threshold** command in global configuration mode.

ignition sense-voltage on-threshold *volts millivolts* **off-threshold** *volts millivolts*

Syntax Description

Syntax	Description
on-threshold	Configures the voltage above which the router will be powered on if it is currently off.
off-threshold	Configures the voltage below which the router will be powered off if it is currently on.

Command Default

No default behavior or values.

Command Modes None.

Command History

Release	Modification
Cisco IOS XE Catalyst SD-WAN Release 17.18.1a	This command was introduced.

Usage Guidelines None

Example

The following example configures an on-threshold voltage of 11 volts and 900 millivolts, and an off-threshold voltage of 11 volts and 500 millivolts:

```
ignition sense-voltage on-threshold 11 900 off-threshold 11 500
```