



Customizing LED Indicators on Poly Edge E Series Phones Feature Profile

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Customizing LED Indicators

This feature profile describes the options available to administrators for customizing the LED status indicators that display on Poly Edge E Series phones.

The information in this feature profile applies to the following Poly Edge E Series IP phones:

- Poly Edge E100 and E220
- Poly Edge E300 Series, including E300, E320, and E350
- Poly Edge E400 Series, including E400 and E450
- Poly Edge E500 Series, including E500 and E550

Overview of LED Status Indicators

The design of LED indicators on Poly Edge E Series phones is stylish and functional. In a low-profile way, they visually alert users to key phone activity, such as held calls or voicemail.

The LED indicators display in clearly visible locations. They highlight phone features and important keys. On Poly Edge E100 and E220 phones, there's a single bar in the top-right corner. A continuous LED bar (called a surround lighting bar) borders the Home screen of Poly Edge E300, E400, and E500 Series phones.

As an administrator, you have significant control in the appearance and behavior of LED indicators. The following sections give more information about LED indicators and the surround lighting bar and describe how to customize LED indicators for a unique experience on your phones.

Note: A quick way to test LED configurations is to go to **Settings > Diagnostics > Test Hardware > LED Diagnostics** and cycle through the settings you want to test.

LED Indicators

LED indicators alert users to the different states of the phone and remote contacts.

Important: Configuring these options can impact the accessibility of your phones for people who have low vision or are colorblind. It can also impact accessibility for people with seizure disorders.

You can turn LED indicators on or off and set the pattern, color, and duration of a pattern for all physical keys on the phones and the following LED indicators:

- Line keys
- Headset key

Use the following example configuration tasks to configure custom LED patterns.

LED Indicator Pattern Types

Use the values from the following table to indicate the LED indicator pattern type.

LED Indicator Pattern Type

Pattern Type	Function
active	Sets the pattern for line keys during active calls.
on	Turns on the LED indicator pattern.
off	Turns off the LED indicator pattern.
offering	Sets the pattern for line keys during incoming calls.
flash	Sets the pattern for line keys during held calls and the message waiting indicator when there are unread voicemail messages.

Pattern Type	Function
lockedOut	Sets the pattern for line keys when a remote party is busy on a shared line.
held	Sets the pattern for line keys during a held call.
remoteBusyOffering	Sets the pattern for line keys for monitored BLF contacts when the BLF is in an active call and receives a new incoming call.
bffHold	Sets the pattern for BLF line keys when a call is on the hold. The default pattern is a slow flashing red LED.
parkedCallSelf	Sets the LED pattern for a self-parked call.
parkedCallRemote	Sets the LED pattern for remote-parked call.

LED Pattern Parameters

The LED pattern parameters in the following list configure the pattern state, color, and duration of the LED indicators and the pattern types on Poly devices.

For each parameter, specify x and a permitted value:

- Specify an LED pattern using the LED pattern parameters.
- For x, specify the step in the LED pattern with a number from 1 to 20.

Use the parameters in the following list to set the pattern state, color, and duration of the LED indicators.

ind.pattern.<pattern type>.step.x.state

Specify whether the LED is on (1) or off (0) for the step.

The default value varies for different steps and pattern types.

0 - Turn off the LED indicator.

1 - Turn on the LED indicator.

ind.pattern.<pattern type>.step.x.duration

Specify the duration that the LED is on or off for the step.

The default value varies for different steps and pattern types.

Min - 0

Max - 32767

ind.pattern.<pattern type>.step.x.color

Specify the color that the LED uses for the step.

Depending on the pattern type, the default value varies.

Null

Red

Green

Yellow

Set an LED Pattern for Active Calls

Configure the phone's LED to alternate colors during an active call.

Task

- 1 Open the configuration file.
- 2 Enable the LED, configure the LED color, and set how long the LED glows, in milliseconds, before turning off.
Set the LED color as Red, Green, or Yellow. The default is Red. Alternatively, using RGB values in hex format is also permitted, for example, "#0000FF". Set the duration of the pattern from 0 to 32767 milliseconds. The default is 0.

```
ind.pattern.active.step.1.state="1"  
ind.pattern.active.step.1.color="<LED color>"  
ind.pattern.active.step.1.duration="<duration>"
```

- 3 Enable the LED, configure the second LED color, and set how long the LED glows, in milliseconds, before turning off.
Set the duration of the pattern from 0 to 32767 milliseconds. The default is 0.

```
ind.pattern.active.step.2.state="1"  
ind.pattern.active.step.2.color="<LED color>"  
ind.pattern.active.step.2.duration="<duration>"
```

- 4 Save the configuration file.

Set an LED Pattern for Incoming Calls

Configure the phone's LED to flash a different color for incoming calls.

Task

- 1 Open the configuration file.
- 2 Change the LED indicator color for incoming calls.
Set the LED color as Red, Green, or Yellow. The default is Green.

```
ind.pattern.offering.step.1.color="<LED color>"
```

- 3 Save the configuration file.

Set an LED Pattern on BLF for Held Calls

Configure the LED indicator to flash when a monitored BLF line is on hold.

Important: Configuring the following parameter(s) causes the phone to reboot. For more information, see the parameter reference topic(s) in the *Poly Edge E Series Phones Parameter Reference Guide*.

Task

- 1 Open the configuration file.
- 2 Enable the LED, configure the LED color, and set how long the LED glows, in milliseconds, before turning off.
Set the LED color as Red, Green, or Yellow. The default is Red. Set the duration of the pattern from 0 to 32767 milliseconds. The default is 0.

```
ind.pattern.blfHold.step.1.state="1"  
ind.pattern.blfHold.step.1.color="<LED color>"  
ind.pattern.blfHold.step.1.duration="<duration>"
```

- 3 Disable the LED and set how long the LED remains off, in milliseconds, before turning back on.

Set the duration of the pattern from 0 to 32767 milliseconds. The default is 0.

```
ind.pattern.blfHold.step.2.state="0"  
ind.pattern.blfHold.step.2.duration="<duration>"
```

- 4 Save the configuration file.

Set an LED Pattern for Remote-Parked Calls

Set how the LED indicator behaves for remote-parked calls.

Task

- 1 Open the configuration file.
- 2 Enable the LED, configure the LED color, and set how long the LED glows, in milliseconds, before turning off.
Set the LED color as Red, Green, or Yellow. The default is Red. Set the duration of the pattern from 0 to 32767 milliseconds. The default is 0.

```
ind.pattern.parkedCallRemote.step.1.state="1"  
ind.pattern.parkedCallRemote.step.1.color="<LED color>"  
ind.pattern.parkedCallRemote.step.1.duration="<duration>"
```

- 3 Save the configuration file.

Set an LED Pattern for Self-Parked Calls

Set how the LED indicator behaves for self-parked calls.

Task

- 1 Open the configuration file.
- 2 Enable the LED, configure the LED color, and set how long the LED glows, in milliseconds, before turning off.
Set the LED color as Red, Green, or Yellow. The default is Red. Set the duration of the pattern from 0 to 32767 milliseconds. The default is 0.

```
ind.pattern.parkedCallSelf.step.1.state="1"  
ind.pattern.parkedCallSelf.step.1.color="<LED color>"  
ind.pattern.parkedCallSelf.step.1.duration="<duration>"
```

- 3 Save the configuration file.

Configure LED Behavior for Held Calls on Shared Lines

Configure the LED to blink red and green for locally held calls and to blink only red for remotely held calls.

By default, the phone blinks red for both remotely and locally held calls. You can also create a custom pattern.

Important: Dependencies and overrides may affect other parameters. For more information, see the parameter reference topic(s) in the *Poly Edge E Series Phones Parameter Reference Guide*.

Task

- 1 Open the configuration file.
- 2 Configure a distinctive LED behavior for held calls on shared lines.

```
call.shared.distinctiveLedOnHold="1"
```

- 3 Save the configuration file.

Disable the Headset Key LED in Headset Memory Mode

Disable the flash pattern for the **Headset** key in Headset Memory Mode.

The **Headset** key flashes green for headsets by default while in headset memory mode. Disable the key flashes if the user finds it distracting or bothersome.

Task

- 1 Open the configuration file.
- 2 Disable the **Headset** key LED flashing in headset memory mode.

```
ind.pattern.flashSlow.step.1.state="0"
```

- 3 Save the configuration file.

Surround Lighting Bar

Configure the appearance and behavior of the surround lighting bar.

Surround Lighting Bar Pattern Types

Use the values from the following table to indicate the surround lighting bar pattern type.

LED Indicator Pattern Type

Pattern Type	Function
haloBluetoothScan	Sets the surround lighting bar behavior when scanning for Bluetooth devices.
haloCallConnected	Sets the surround lighting bar behavior when on a call
haloCallConnectedDigitalHeadset	Sets the surround lighting bar behavior when on a call and a digital headset are connected.
haloCallOffering	Sets the surround lighting bar behavior when the phone is ringing.
haloCallHold	Sets the surround lighting bar behavior when the phone puts a call on hold.
haloMute	Sets the surround lighting bar behavior when the phone is muted.
haloVoicemail	Sets the surround lighting bar behavior when there's a voicemail.
powerSaving	Sets the surround lighting bar behavior when the phone is in power saving mode.

Surround Lighting Bar Pattern Parameters

The surround lighting bar pattern parameters configure the pattern state, effect, color, and duration of the LED indicators.

Note: To activate a pattern, you must configure all parameters for a step. For more information, see [Activate Surround Lighting Bar Patterns](#) on page 8.

For each parameter, specify the pattern type and a permitted value.

Use the parameters in the following list to set the pattern state, color, and duration of the LED indicators.

ind.pattern.<pattern type>.step.1.state

Specify whether the surround lighting bar is on (1) or off (0) for the step.

0 - Turn off the LED indicator.

1 - Turn on the LED indicator (default).

ind.pattern.<pattern type>.step.1.duration

Specify the duration that the surround lighting bar is on or off for the step, in milliseconds. Depending on the pattern type, the default value varies.

Min - 0

Max - 32767

ind.pattern.<pattern type>.step.1.effect

Depending on the pattern type, the default value varies. Express the values in plain English, in RGB hex format (*#RRGGBB*), or in RGB decimal string format (*RRR.GGG.BBB*).

Red

Green

Blue

Yellow

ind.pattern.x.step.1.effect

Specify the effect that the surround lighting bar uses. Depending on the pattern type, the default value varies.

None: Solid color

DimmedBreathe: Intensity decreases from 50% to 0% and then back to 50%.

Breathe: Intensity decreases from 100% to 50% and then back to 100%.

BreatheBottom: On the bottom part of the display, intensity decreases from 100% to 50% and then back to 100% in one cycle.

Chase: Color rotates around the display (E300, E400, and E500 Series) or back and forth on the LED bar (E100 and E220).

ChaseOnWhite: The same as Chase, but with the unlit LEDs set to white.

ChaseOnBlack: The same as Chase, but with the unlit LEDs set to black.

Activate Surround Lighting Bar Patterns

Activate surround lighting bar patterns to indicate various phone states.

To activate a surround lighting bar pattern, you must configure all parameters for the step.

Task

- 1 Open the configuration file.
- 2 Specify the duration that the surround lighting bar is on or off for the step from 0 to 32767 milliseconds. The default varies depending on the type.

```
ind.pattern.<pattern type>.step.1.duration="<Duration>"
```

- 3 Specify the color for the LED pattern step. The default varies depending on the LED indicator pattern type. Express the values as color names, in RGB hex format (*#RRGGBB*), or in RGB decimal string format (*RRR.GGG.BBB*).

```
ind.pattern.<patterntype>.step.1.color="<Color>"
```

- 4 Specify the effect for the LED pattern step. For more information, see [Surround Lighting Bar Pattern Parameters](#) on page 7.

```
ind.pattern.<patterntype>.step.1.effect="<Effect>"
```


- 5 Save the configuration file.

Enable Mute Indication on the Surround Lighting Bar

Enable the mute indication surround lighting bar effect when the phone is in a call and muted.

Task

- 1 Open the configuration file.
- 2 Enable the mute indication effect.

```
ind.led.alert.indicateMute="1"
```

- 3 Save the configuration file.

Enable Digital Headset Indication on the Surround Lighting Bar

Enable the headset indication surround lighting bar effect when the phone is in a call and a digital headset is connected.

Task

- 1 Open the configuration file.
- 2 Enable the digital headset indication effect.

```
ind.led.alert.indicateDigitalHeadset="1"
```

- 3 Save the configuration file.

Disable Surround Lighting Bar in Power Saving Mode

Disable the surround lighting bar while the phone is in power saving mode to conserve power.

Task

- 1 Open the configuration file.
- 2 Disable the surround lighting bar in power saving mode.

```
ind.pattern.powerSaving.step.1.state="0"
```

- 3 Save the configuration file.

Default LED Configuration Parameters

This section provides the default configuration parameters for LED behavior on Poly Edge E Series phones.

Default Configuration Parameters for Call On-Hold Notification

These default configuration parameters configure LED behavior for the call-on hold notification.

ind.pattern.haloCallHold.step.1.duration

Specify the duration that the LED is on or off for the step, in milliseconds.
1000 (default)

ind.pattern.haloCallHold.step.1.color

Specify the color that the LED uses for the step.
Red (default)

ind.pattern.haloCallHold.step.1.effect

Specify the effect that the surround lighting bar uses.
Breathe (default) - Color fades out and in, starting at 100% intensity down to 50% then back to 100% in 1 cycle.

ind.pattern.haloCallHold.step.1.state

Specify whether the LED is on (1) or off (0) for the step.
1 (default) - Turns on the effect.

Default Configuration Parameters for Incoming Call Notification

These default configuration parameters configure LED behavior for the incoming call notification.

ind.pattern.haloCallOffering.step.1.duration

Specify the duration that the LED is on or off for the step, in milliseconds.
1000 (default)

ind.pattern.haloCallOffering.step.1.color

Specify the color that the LED uses for the step.
Green (default)

ind.pattern.haloCallOffering.step.1.effect

Specify the effect that the surround lighting bar uses.
Breathe (default) - Color fades out and in, starting at 100% intensity down to 50% then back to 100% in 1 cycle.

ind.pattern.haloCallOffering.step.1.state

Specify whether the LED is on (1) or off (0) for the step.
1 (default) - Turns on the effect.

Default Configuration Parameters for Bluetooth Discovery

These default configuration parameters configure LED behavior for Bluetooth discovery in progress notification.

ind.pattern.haloBluetoothScan.step.1.duration

Specify the duration that the LED is on or off for the step, in milliseconds.
1000 (default)

ind.pattern.haloBluetoothScan.step.1.color

Specify the color that the LED uses for the step.
Blue (default)

ind.pattern.haloBluetoothScan.step.1.effect

Specify the effect that the surround lighting bar uses.
ChaseOnBlack (default) - Color circles around the display (on Poly Edge E300, E400, E500 Series phones) or back and forth on the LED bar (on Poly Edge E100 and E220 phones); the unlit LEDs are off.

ind.pattern.haloBluetoothScan.step.1.state

Specify whether the LED is on (1) or off (0) for the step.
1 (default) - Turns on the effect.

Default Configuration Parameters for Voicemail

These default configuration parameters configure LED behavior for the voicemail notification.

ind.pattern.haloVoiceMail.step.1.duration

Specify the duration that the LED is on or off for the step, in milliseconds.
1250 (default)

ind.pattern.haloVoiceMail.step.1.color

Specify the color that the LED uses for the step.
Red (default)

ind.pattern.haloVoiceMail.step.1.effect

Specify the effect that the surround lighting bar uses.
BreatheBottom (default) - The color fades out and in, starting at 100% intensity down to 0% then back to 100% in 1 cycle on the bottom part of the display.

ind.pattern.haloVoiceMail.step.1.state

Specify whether the LED is on (1) or off (0) for the step.
1 (default) - Turns on the effect.

Default Configuration Parameters for Off Hours Mode

These default configuration parameters configure LED behavior for the off hours mode notification.

ind.pattern.powerSaving.step.1.duration

Specify the duration that the LED is on or off for the step, in milliseconds.
5000 (default)

ind.pattern.powerSaving.step.1.color

Specify the color that the LED uses for the step.
Yellow (default)

ind.pattern.powerSaving.step.1.effect

Specify the effect that the surround lighting bar uses.
BreatheBottom (default) - The color fades out and in, starting at 100% intensity down to 0% then back to 100% in 1 cycle on the bottom part of the display.

ind.pattern.powerSaving.step.1.state

Specify whether the LED is on (1) or off (0) for the step.
1 (default) - Turns on the effect.

Default Configuration Parameters for Mute

These default configuration parameters configure LED behavior for the mute notification.

ind.pattern.haloMute.step.1.duration

Specify the duration that the LED is on or off for the step, in milliseconds.
0 (default)

ind.pattern.haloMute.step.1.color

Specify the color that the LED uses for the step.
Red (default)

ind.pattern.haloMute.step.1.effect

Specify the effect that the surround lighting bar uses.
None (default) - Solid color.

ind.pattern.haloMute.step.1.state

Specify whether the LED is on (1) or off (0) for the step.
1 (default) - Turns on the effect.

ind.led.alert.indicateMute

Specify whether the microphone mute alert state is active or inactive on the surround LED lighting bar.
0 (default) - Microphone mute alert state is inactive.

Default Configuration Parameters for Call Connected

These default configuration parameters configure LED behavior for the call connected notification.

ind.pattern.haloCallConnected.step.1.duration

Specify the duration that the LED is on or off for the step, in milliseconds.
0 (default)

ind.pattern.haloCallConnected.step.1.color

Specify the color that the LED uses for the step.
Green (default)

ind.pattern.haloCallConnected.step.1.effect

Specify the effect that the surround lighting bar uses.
None (default) - Solid color

ind.pattern.haloCallConnected.step.1.state

Specify whether the LED is on (1) or off (0) for the step.
1 (Default) - Turns on the effect.

Default Configuration Parameters for Call Connected with Digital Headset

These default configuration parameters configure LED behavior for the call connected with digital headset notification.

ind.pattern.haloCallConnectedDigitalHeadset.step.1.duration

Specify the duration that the LED is on or off for the step, in milliseconds.
0 (default)

ind.pattern.haloCallConnectedDigitalHeadset.step.1.color

Specify the color that the LED uses for the step.
Blue (default)

ind.pattern.haloCallConnectedDigitalHeadset.step.1.effect

Specify the effect that the surround lighting bar uses.
None (default) - Solid color

ind.pattern.haloCallConnectedDigitalHeadset.step.1.state

Specify whether the LED is on (1) or off (0) for the step.
1 (Default) - Turns on the effect.

ind.led.alert.indicateDigitalHeadset

Specify whether the surround lighting bar indicates that a digital headset connection is in use.
0 (Default) - The surround lighting bar does not indicate that a digital headset is connection is in use.

Support

NEED MORE HELP?

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