



BlackBerry AtHoc

Industrial Strobe Beacon Installation and Configuration Guide

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Product requirements

The following sections describe the hardware and software requirements to configure strobe devices.

Hardware and firmware requirements

- For each connected strobe light, you need to have the following items:
 - An available RS232 computer port
 - A line level input into an auxiliary audio input module
- You need at least one strobe beacon (two units for redundancy) in each isolated control and audio network, with the listed requirements.

Software requirements

- IP Integration Module Agent: Version 1.1.0
- IIM Capnode with capnode_obf.jar build 46 or later

Register the Industrial Strobe Beacon delivery gateway on BlackBerry AtHoc


This section describes the steps to configure the strobe light on the BlackBerry AtHoc management system. The delivery gateway for strobe lights is Industrial Strobe Beacon.

Enable the device on the server


Before you start configuring the devices for BlackBerry AtHoc, you must enable the device on the BlackBerry AtHoc server. When you enable the device, it appears in the list of gateways on the Settings screen and in the list of devices in the Devices section.

1. Open Internet Explorer and launch the BlackBerry AtHoc server.
2. Navigate to the following folder: `../Program Files (x86)/AtHocENS/ServerObjects/Tools` and run the `AtHoc.Applications.Tools.InstallPackage` file.
3. On the **Configure Device Support** screen, select **Industrial Strobe Beacon**.
4. Click **Enable**.
5. Click **Close**.

Configure the delivery gateway

1. Log in to BlackBerry AtHoc management system as an administrator.
2. In the navigation bar, click .
3. In the **Devices** section, select **Industrial Strobe Beacon**.
4. Click **Copy Default Settings**.
5. Click **Save**.

Configure the device

1. In the navigation bar, click .
2. In the **Devices** section, click **Devices**.
3. Click **Industrial Strobe Beacon**.
4. Click **Edit**.
5. In the **Details** section, fill in the following fields:
 - **Name:** Industrial Strobe Beacon
 - **Common Name:** INDUSTRIALSTROBE-BEACON
 - **Device Group Order:** 1
 - **Contact Info Editing:** All
 - **Targeting Help Text:** You are publishing to Industrial Strobe Beacon.
6. In the **Delivery Gateway** section, **Add a Delivery Gateway** and select **Industrial Strobe Beacon**.
7. Click **Configure** to open the text entry field and verify the XML with the following XML template:


```
<Configuration><CapParams><GVSystemType>INDUSTRIALSTROBE</GVSystemType><AllMode>1</AllMode><ZoneMode>1</ZoneMode><PoleMode>1</PoleMode><KeyMode>1</KeyMode><UnusedMode>0</UnusedMode><DefaultAllCall>FFFF</
```

```
DefaultAllCall><DefaultKeyActivationCode>0</  
DefaultKeyActivationCode><NoPARequired>0</NoPARequired><PARequired>1</  
PARequired><IsCancelable>>false</IsCancelable><ContentSource>IndustrialStrobe-  
Beacon</ContentSource></CapParams></Configuration>
```

8. Click **Save**.
9. Click **Enable**.
10. Click **Return to Device Manager**.

Create the Strobe mass device endpoints

Create a Strobe mass device endpoint for each device.

1. In the navigation bar, click .
2. In the **Devices** section, click **Mass Device Endpoints**.
3. On the **Mass Device Endpoints** screen, click **New**, and select the Strobe device.
4. In the **General** section, enter an endpoint name. Enter a value between 4 and 80 characters long. The following special characters are not allowed: (' ^ = < >)
5. In the **General** section, enter a common name. Enter a value between 4 and 80 characters long. The following special characters are not allowed: (! \$ % ^ () = { } , ; : ? " < > | [space])
6. In the **Configuration** section, enter an address for the Strobe device. Use a unique value for the second number in the address for each endpoint. For example, P,0,1 and P1,1.

Syntax: P<*n*>,1

Where *n* is the unique number for the pole. This number will be added to the address in the IIM filter.

7. Click **Save**.

Configure IIM

The following sections describe how to set up IIM. Ensure that the version of IIM that you are running is at least build 46 of capnode_obf (check the value in the `build.number` file).

Set up filters in the IIM

1. Connect to the IIM strobe light.
2. Open the CapCon Console.
3. Click the **Filter** tab.
4. In the **Node Address** field, enter the end point value for the device.

Syntax: INDUSTRIAL_STROBE_1_<n>

Where *n* = the second number in the mass device end point address. See [Create the Strobe mass device endpoints](#).

5. Click the **Advanced Filter** tab, for the CAP server.
6. Select the **OR this filter with the simple filter** option.
7. Add the CAP station name in the <restriction> tags.
8. Click **Apply Advanced Filter Parameters**.

Update the indexURL

For the indexURL, you provide both the BlackBerry AtHoc and the CapServer links.

For the Cap Server, you must do a special configuration. IIM uses a build that automatically appends `?ast=<MACID>` to indexURL, which can cause bad strings to show up in the CapCon report list.

Append `&ast=1234` after the normal string. This change prevents the IIM from appending the `?ast`. The change also allows the Cap Server to ignore it. See the bold text in the following example:

```
indexURL=https\://integration6.athoc.com/Syndication/CAP_INDUSTRIALSTROBE/2061062/capindex/;https\://cwscapqa.alertingsolutions.com/capserver/Poll?id  
\=CapCon_<account>_<member>&ast=1234
```

BlackBerry AtHoc Customer Support Portal

BlackBerry AtHoc customers can obtain more information about BlackBerry AtHoc products or get answers to questions about their BlackBerry AtHoc systems through the Customer Support Portal:

<https://support.athoc.com/customer-support-portal.html>

The BlackBerry AtHoc Customer Support Portal also provides support via computer-based training, operator checklists, best practice resources, reference manuals, and user guides.

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