

# Headerservice User Documentation

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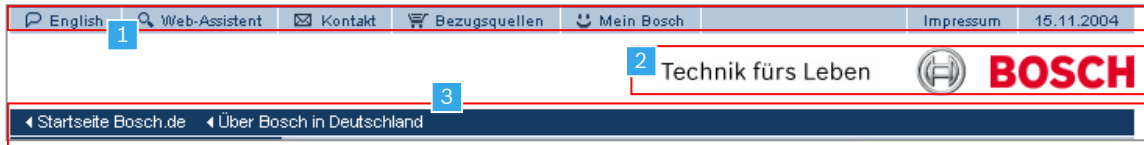
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**BOSCH**

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## Header



## Header in pop-up windows

## Introduction

The Bosch header is a fixed part of all Bosch brand Web pages and contains overall service and information functions.

The header consists of the following components (see diagram):

- 1 Service line:  
Language selection, Web Assistant, Contact, Dealer Locator, My Bosch, Imprint, Date display
- 2 Slogan and logo/brand name
- 3 Breadcrumb navigation
- 4 A simplified header without the service line and breadcrumb navigation is used for pop-up windows.

The headers of all Bosch brand Web pages are received from a central location and dynamically integrated into the pages. A central ("Header Service") application at the <http://header.bosch.com> domain is provided for this purpose to deliver the code for headers in varying formats and designs.

This document describes how the header is requested from the Header Service and integrated into the pages.

## Integrating the header into static pages and Web applications

Every HTML page simply contains a request to actuate the Header Service. Parameters are sent to inform the Header Service, for instance, for which country and in which languages the header should be delivered. Three methods are currently available for this process:

### 1. iFrame Service (see page 6)

This is the simplest way to integrate a header. It is suitable for static HTML pages, but is also convenient with scripts that are compatible with the server end (asp, php etc.).

### 2. XML Service (see page 12)

This is the most flexible method and has numerous options. Parameters for configuring the header are forwarded to the Header Service in XML format. The header is written directly into the page. The process is only suitable for pages that use a script language that is compatible with the server end (e.g. asp.net, php, jsp, Coldfusion).

### 3. JavaScript Service (see page 20)

This version is compatible with the JavaScript headers used in the past. It allows the provision of new headers to existing pages that have previously integrated their headers using header\_central or standard\_support, without having to redesign the page. Browsers with deactivated JavaScript cannot display the header, so this process is not recommended for new pages. The latest version of the JavaScript header is therefore only available from C/SMC31.

### 4. Header variant for expanded layout (1024 pixels)

(see pages 17 / 18)

This wider header is available only for pages created in standard XHTML 1.0 transitional. It can be accessed via iFrame service and XML service.

## Basic technical information

Headers from the Header Service can be used by all divisions and countries. The variable parameters, such as the slogan or language selection, are either stored centrally in a country configuration or specified by the transmitted parameters when the header is opened.

### Content of the national configuration files

This information is centrally stored and updated by C/SCM31. It contains the following language-dependent information:

- Country code in ISO 3166 format, e.g. de, en
- Domain
- Default language
- Access parameters for service function window

And for each country's language:

- Label and URL of service functions
- Label and URL of the imprint
- Date format
- Label and URL of the Start page link
- Logo and claim
- Link to logo and claim
- CSS file used
- XSL file used

### Page level configuration options for the header

Since parameters are transferred when the header is opened, it can be configured for every individual page.

The minimum required parameters are:

- ISO-3166 country code\*
- ISO- 639 language code of the current page
- URLs of the page in other language versions

\* Sites, not related to a country, are given the toplevel domain as country code, i.e. com for [www.bosch.com](http://www.bosch.com). For a complete list, see <http://header.bosch.com/support>

Additional parameters:

- Division and if required Subdivision for preselecting the contact information
- Label and URL of the Back links to be displayed in the breadcrumb navigation. If requested, the link to the country can be automatically integrated.
- Further parameters allow country configuration settings to be overwritten (only XML Service). For more information on this subject, see <http://header.bosch.com/support>

## **General information on the Header Service**

The Header Service is entirely implemented in ASP. The country-specific configuration data is stored in XML format.

If the transferred parameters do not already exist in XML format, they are converted into XML and combined with the configuration XML. The HTML files are generated from the XML using XSL Transformation and XSL files, before being returned to the request page. The HTML already contains the requests for CSS and JavaScript files.

The header is intended for international use. It therefore uses the UTF-8 font, which can generate approx. 1 million characters. Layouts for Arabic sites (right to left), for example, and Asian character sets are also available.

```
<iframe
src="http://header.bosch.com/code/iframeService.asp?c=de&cl=de&bcs=[startpage]"
width="100%" height="84" marginwidth="0" marginheight="0" align="top" scrolling="no"
frameborder="0"></iframe>
```

Description of parameters:

- c: country, here "de" for Germany
- cl: country language, here "de" for German
- bcs: breadcrumb string. Back links are defined in the breadcrumb navigation. The value [startpage] creates a link to the country Start page.

```
<iframe
src="http://header.bosch.com/code/iframeService.asp?c=de&cl=de&bcs=[startpage]&cls=
http://www.bosch.de/start/content/[de:language1|en:language2]/html/index.htm"
width="100%" height="84" marginwidth="0" marginheight="0" align="top" scrolling="no"
frameborder="0"></iframe>
```

Explanation of parameters:

- cls: country language string: Specifies the link to other language versions. The field [de:language1|en:language2] is a dummy for the part of the link that changes when the language is changed. See the chapter "Special cls Format" for further information. For more Back links, see the chapter "Special bcs Format"

## Notes on integration in Web sites – iFrame Service

### A simple example

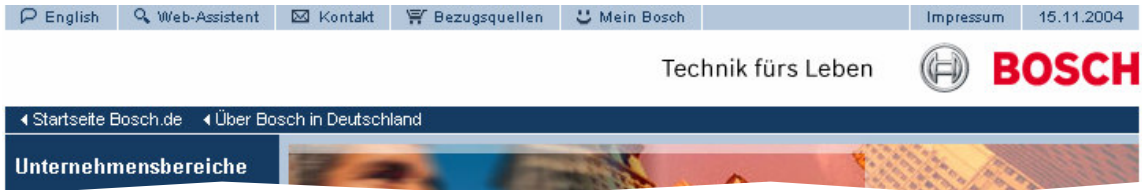
The first example shows the simplest way to integrate a header using the iFrame Service.

Copy the adjacent HTML code directly into the <body> Day in your page. You see the Bosch.de header in the German language version. Simply change the attribute cl=de to cl=en and you will see the English language version.

### Languages

Now change the language in the Service area. If you wish to use more than one language version, you must define which language can be selected and to which page the language selection should be linked.

Extend the HTML code as shown adjacently. An additional language selection link appears for the English version.



Header for a main window

```
<iframe
src= "http://header.bosch.com/code/iframeService.asp?gb=k&c=de&cl=de&cls=<%=
escape("http://www.bosch.de/[en:en|de:de]/index.asp")%>&bcs=[startpage]"
width="100%" id ="iHs" name ="iHs" height="84" marginwidth="0" marginheight="0" align="top"
scrolling="no" frameborder="0"></iframe>
```

Example code in ASP

## An overview of the iFrame Service

### a)Pages in the main window (standard header)

#### HTML properties for iFrame

|              |   |
|--------------|---|
| width        | 100%  |
| height       | 84  |
| marginwidth  | 0   |
| marginheight | 0   |
| align        | top   |
| scrolling    | no  |
| Frameborder  | 0   |
| Src          | http://header.bosch.com/code/iframeService.asp<br>Additional configuration parameters must be added to this URL |

#### Configuration parameters for the header

|     |   |
|-----|---|
| c   | Country code (ISO-3166)   |
| cl  | Code for current language version (ISO-639)   |
| cls | escapte absolute URL entries on additional language versions<br>(special format, see below) |
| bcs | URL-encoded list of all Back links (special format, see below)                              |



Header with pop-up window

```
<iframe  
src="http://header.bosch.com/code/popupService.asp?c=de&cl=de&hl=Test"> width="100%"  
height="40" marginwidth="0" marginheight="0" align="top" scrolling="no"  
frameborder="0"></iframe>
```

Example code

```
<iframe  
src="http://header.bosch.com/code/popupService.asp?c=de&cl=de&hl=<%=Server.URLEncode  
("Ich bin die Überschrift ")%>" width="100%" height="40" marginwidth="0" marginheight="0"  
align="top" scrolling="no" frameborder="0"></iframe>
```

Example code in ASP

## An Overview of the iFrame Service b) for pop-up windows

### HTML properties for iFrame

|              |   |
|--------------|---|
| width        | 100%  |
| height       | 40  |
| marginwidth  | 0   |
| marginheight | 0   |
| align        | top   |
| scrolling    | no  |
| frameborder  | 0   |
| src          | http://header.bosch.com/code/popupService.asp<br>Additional configuration parameters must be<br>added to this URL |

### Configuration parameters for the header

|    |   |
|----|---|
| c  | Country code (ISO-3166)                         |
| cl | Code for the current language version (ISO-639) |
| hl | Title (URL-ecodiert)                            |

If there is a German language version at <http://www.xy.com/language1/index.htm> and an English language version at <http://www.xy.com/language2/index.htm> the cls parameter would be as follows:

```
cls=http://www.xy.com/[de:language1|en:language2]/index.htm
```

In the field which distinguishes the two links to the language versions, a definition of which value applies to which language is set in square brackets.

Several dummies can be used within a link:

```
cls=http://www.xy.com/[de:language1|en:language2]/index.jsp?a=1&locale=[de:de_DE|en:en_US]
```

In this example, characters such as "=" and "&" are used, which can only be transferred in an escaped form. The conversion can be carried out in script languages such as ASP or in JavaScript:

```
cls=<%=escape("http://www.xy.com/[de:language1|en:language2]/index.jsp?a=1&locale=[de:de_DE|en:en_US]")%>
```

If the escaped characters require manual setting, they can be converted using the function available at <http://header.bosch.com/support>.

## Format of the cls parameters

To implement the language switch in the header, the URL of every language version must be transferred as an absolute path. Since very long parameters can occur in this way, a process was introduced to simplify language parameter indication.

### Syntax

```
[de:string1|en:string2]
```

String used for this language  
Language code

In the simplest cases, only the Start page of a country is linked (first level).

```
bcs=[startpage]
```

The parameter [startpage] is a code. The link and label are automatically entered.

Additional links are added in the format [url||label]. Please note that the URL must be absolute and escaped, and the Label URL encoded. An example in ASP:

```
bcs=[startpage][<%=escape("http://www.xy.com/de/a.asp")%>||<%=server.urlencode("Company page")%>]
```

In Javascript stehen hierfür die Funktionen escape(str) und encodeURIComponent(str) zur Verfügung.

The functions escape(str) and encodeURIComponent(str) are available in JavaScript for this purpose.

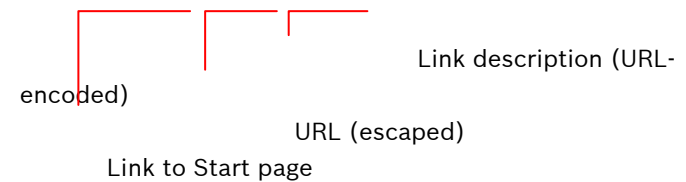
If the parameters are entered manually, conversion functions are available at <http://header.bosch.com/support>

## bcs parameter format

All superior levels are listed and linked in the breadcrumb line. At least one link to the country Start page must be entered here.

### Syntax

```
bcs=[startpage][URL2||Label2][URL3||Label3]
```



Wherever possible, no more than three Back links should be defined (see Internet Styleguide).

The JavaScript must first be loaded in the page's <head> field:

```
<script language="Javascript"
src="http://header.bosch.com/code/jsService_js.asp?c=de&cl=de"></script>
```

Parameters:

c: Country code  
cl: Codes of all language versions

The email link uses the JavaScript function  
"openContactEmail":

```
<a href="#" onclick="openContactEmail('info@bosch.de');return false;">E-Mail</a>
```

## Omitting breadcrumb navigation

If the bcs parameter is not transferred, no breadcrumb line is generated. This can be useful, for instance, if the path navigation is generated automatically in the HTML page by a Content Management System. In such cases, the height of the iFrames must be reduced to 67 pixels. The breadcrumb line must be fully displayed in the HTML page.

## Link to the contact function's email form

Email links can be set on any page that directly opens the contact form (without selecting a division or an address).

A contact form can currently only be opened by JavaScript.

### Syntax:

```
openContactEmail(email address);
```

## XML Service

In this process, the parameters are transferred in XML format, which can be done simply in ASP, ASP.NET, PHP4/5, Coldfusion and JSP. Examples are published at [header.bosch.com/support](http://header.bosch.com/support)

### Functions:

The XML Service is accessed using the URLs <http://header.bosch.com/code/xmlService.asp> and <http://header.bosch.com/code/xmlPopupService.asp>. An XML request for this application must be sent by POST. The returned stream is written directly into the page. Since the header is used internationally, the XML Service can only be used for pages in UTF-8 format.

```

<header mode="xml">
  <country>de</country>
  <language>en</language>
  <languages>
    <language name="de">
      <url><![CDATA[../de/index.asp]]></url>
    </language>
    <language name="en">
      <url><![CDATA[../en/index.asp]]></url>
    </language>
  </languages>
  <bc>
    <link><startpage/></link>
  </bc>
</header>

```

XML request format

## Using the XML Service

### a) for pages in the main window (standard header)

URL: <http://header.bosch.com/code/xmlService.asp>

An XML request must be sent by POST for this page.

## XML Request

### Description of nodes

|                        |  |
|------------------------|--|
| header                 | Root element   |
| country                | Country code (ISO-3166)  |
| language               | Current language version (ISO-639)   |
| languages              | Defines the language switch  |
| languages/language     | One "language" child node per language version. The property "name" contains the language code (ISO-639)   |
| languages/language/url | Path (absolute or relative to current page) where the relevant language version can be found. This information must be entered in a CDATA field due to the characters it contains. |
| bc                     | Defines the breadcrumb navigation  |
| bc/link                | A child node "link" is required for every Back link.   |
| bc/link/startpage      | Automatically integrates the link to the Start page defined in the country configuration   |

```
<link>  
  <label><![CDATA[ zurück zur Hauptseite]]></label>  
  <url><![CDATA[start.asp]]></url>  
</link>
```

XML fragment: "More Back links"

```
<division gb="k" option1="" option2="" option3=""/>
```

XML fragment: "Preselecting Contact/Dealer Locator"

## Optional: More Back links

A "link" node must be integrated for every required Back link, including subnodes such as those shown adjacently below the "bc" node.

bc/link/label

Description of links (as CDATA)

bc/link/url

Relative or absolute path to the accessed page (as CDATA)

```

<%
    dim hsUrl
    hsUrl= "http://header.bosch.com/code/xmlService.asp"
    xmlStr="<header mode=""xml"">&_
        <country>de</country>"&_
        <language>de</language>"&_
        <division gb=""k"" option1="" option2="" option3="">"&_
        <languages>"&_
            <language name=""de"">"&_
                <url><![CDATA[../de/folgeseite.asp]]></url>"&_
            </language>"&_
            <language name=""en"">"&_
                <url><![CDATA[../en/folgeseite.asp]]></url>"&_
            </language>"&_
        </languages>"&_
        <bc>"&_
            <link><startpage/></link>"&_
            <link>"&_
                <label><![CDATA[ zurück zur Hauptseite]]></label>"&_
                <url><![CDATA[index.asp]]></url></link>"&_
        </bc>"&_
    </header>"

    response.write getHeaderByXml(hsUrl,xmlStr)

    function getHeaderByXml(url,xmlStr)
        dim serverXml
        set xmlDoc=Server.CreateObject("MSXML2.DOMDocument.4.0")
        xmlDoc.loadXml(xmlStr)
        Set serverXml=Server.CreateObject("MSXML2.ServerXMLHTTP.3.0")
        serverXml.Open "POST",url,False
        serverXml.Send(xmlDoc)
        getHeaderByXml= serverXml.ResponseText
        set serverXml=nothing
        set xmlDoc=nothing
    end function
%>

```

### Example of a complete Code XML request with optional nodes

#### Implementing the XML Services using ASP

The adjacent example shows how the XML request is generated by ASP and sent by the XML Service.

The function "getHeaderByXml" can be used for the XML Pop-up Service, as described in the next chapter.

```
<header>
  <country>de</country>
  <language>en</language>
  <popuplogo>
    <label>< ![CDATA[Ich bin die Überschrift]]></label>
  </popuplogo>
</header>
```

Format of the XML request

## Using the XML Service

### b) for headers in pop-up windows

URL: <http://header.bosch.com/code/xmlPopupService.asp>

An XML request must be sent by POST for this page.

## XML Request

### Description of nodes

|                 |   |
|-----------------|---|
| header          | Root element                            |
| country         | Country code (ISO-3166)                 |
| language        | Current language version (ISO-639)      |
| Popuplogo/label | Window title. Must be in a CDATA field. |

The Header Service (in its variants **iFrame** and **XML service**) can also be used in XHTML 1.0 transitional-compliant pages.

For using the XHTML standard in the header the country configuration has to be activated accordingly. Please contact:

Leonhardt Multimedia GmbH  
serviceteam@leonhardt.de  
+49 30 269 387-0

```
<iframe
src="http://header.bosch.com/code/popupService.asp?x=x1&c=de&cl=de&hl=Test" width="100%" height="40" marginwidth="0" marginheight="0" align="top" scrolling="no"
frameborder="0"></iframe>
```

Code Sample for standard layout

```
<iframe
src="http://header.bosch.com/code/popupService.asp?x=x2&c=de&cl=de&hl=Test" width="100%" height="40" marginwidth="0" marginheight="0" align="top" scrolling="no"
frameborder="0"></iframe>
```

Code Sample for expanded layout (1024 pixels)

## XHTML via iFrame service

### for standard layout

The additional parameter **x with value x1** in the Src-attribute of the iframe element changes the output to XHTML. See code sample (left).

### for expanded layout (1024 pixels)

The additional parameter **x with value x2** in the Src-attribute of the iframe element changes the output to XHTML and displays the header for the expanded layout. See code sample (left).

```
<link rel="stylesheet" type="text/css"
href="http://header.bosch.com/code/cssService.asp?c=de&cl=de&x=x1" />
```

Code sample for css implementation (sample for standard layout)

```
<header xtra="x1" mode="xml">
  <country>de</country>
  <language>en</language>
  <languages>
    <language name="de">
      <url><![CDATA[../de/index.asp]]></url>
    </language>
    <language name="en">
      <url><![CDATA[../en/index.asp]]></url>
    </language>
  </languages>
  <bc>
    <link><startpage/></link>
  </bc>
</header>
```

Format of XML request via XHTML switch (sample for standard layout)

## XHTML via XML service

### for standard layout

Two steps have to be done for this:

1. Since the call of the style sheet (necessary for the header) cannot be integrated in the body of the page, an additional css service has been implemented which has to be called in the head of the page (see *code sample css implementation*).

Parameters c und cl comply with the description on page 7.

2. In the element header the XML request is given an additional attribute "xtra" with value "x1" (see *format sample, line 1*).

### for expanded layout (1024 pixels)

Please follow steps as described above but use the value **x=x2** in the cssService. In the XML request change the attribute xtra to "x2".

```
<header type="ssl" mode="xml">
  <country>de</country>
  <language>en</language>
  <languages>
    <language name="de">
      <url><![CDATA[../de/index.asp]]></url>
    </language>
    <language name="en">
      <url><![CDATA[../en/index.asp]]></url>
    </language>
  </languages>
  <bc>
    <link><startpage/></link>
  </bc>
</header>
```

Format of XML-Requests in SSL Header

### SSL Version of Header

In order to implement the header in pages which are transmitted via SSL-encryption, an SSL version of the header can be used in the following formats:

#### For pages in main window (standard header)

iFrame-Service:

<https://ssl.bosch.com/header/code/iframeService.asp>

Xml-Service:

<https://ssl.bosch.com/header/code/xmlService.asp>

#### For Popup window

iFrame-Service:

<https://ssl.bosch.com/header/code/popupService.asp>

Xml-Service:

<https://ssl.bosch.com/header/code/xmlPopupService.asp>

Note for both XML service versions: The attribute `type="ssl"` has to be added to the node `<header>`.

For further implementation advice and use of parameters see above chapters.

```
<iframe  
src="http://header.bosch.com/code/iframeService.asp?c=de&cl=de&bcs=[startpage]&gb=sts"  
width="100%" height="84" marginwidth="0" marginheight="0" align="top" scrolling="no"  
frameborder="0"></iframe>
```

Code sample iFrame service

```
<header mode="xml">  
  <division gb="sts" />  
  <country>de</country>  
  <language>en</language>  
  <languages>  
    <language name="de">  
      <url><![CDATA[../de/index.asp]]></url>  
    </language>  
  </languages>  
  <bc>  
    <link><startpage/></link>  
  </bc>  
</header>
```

Code sample xml service

## Pre-selected request of contact and dealer locator function (Service functions) according to business unit

When defining structures in the service functions you can assign shortcuts to tree descendants which allow a pre-selected display of the according business unit (GB). For reference see Manual Service Functions Admin Tool, page 7.

You can transfer a parameter “gb“ with the value of a shortcut to the header. After you have done this, a click on the contact or the dealer locator function in the header will cause the dropdown navigation to be pre-selected according to the business unit (GB). If the tree descendant is only an address it will directly display the address.

### Iframe service

Use the additional parameter “gb“ in the scr attribute of the iFrame tag. As value enter the shortcut. See sample on the left.

### Xml service

Below the root node, add an additional node „division“ with the attribute “gb“ and the value of the shortcut. See sample on the left.

## JavaScript Service

The JavaScript Service is exclusively intended for adding new headers to pages that already exist where the previous header was configured using the JavaScript file `std_support.js` (Germany) or `header.js` (international).

`std_support.js` and `header.js` were modified for this purpose to reference the Header Service using wrappers. The modified files replace the existing files. The pages and the parameters upon which they are based require no editing.

## Contact

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## Contact for technical questions

Leonhardt Multimedia GmbH  
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+49 30 269 387-0

Examples and support under:  
[header.bosch.com/support](http://header.bosch.com/support)