



User's Guide

HTTP-Access  
HTTPS-Access

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## 1 Introduction

ECall's **HTTP** access allows you to directly call up a URL , in order to send messages to various callsystems. There is also the option of **HTTPS** access. The advantage of this being that data can be transferred in an encrypted/encoded form. The following information is only referring to HTTP access. Unless otherwise specifically stated, the same instructions also apply for HTTPS access.

## 2 Requirements for HTTP-Access

In order for messages to be sent through the HTTP-interface, the following requirements apply:

- You must have a Business account with eCall.
- Access via URL must be set up in your Business account.
- Your software must be able to call up via URL in order to send messages.

## 3 Protocol

The processing of a transmission order to eCall requires up to four stages.

1. The client sends the transmission order to eCall.
2. ECall sends a result message to the client.
3. ECall sends notification to the client, when requested (not possible via URL-call up, see TCP/IP-Access)
4. ECall sends a reply to the mobile recipient, when requested (not possible via URL-call up, see TCP/IP-Access)

## 4 Message Formats

### 4.1 General Information

All messages consist of a command word and a parameter list. The specific elements of a message are separated from each other by the `<&>` symbol. Parameter ID and Value are separated by the equals sign. The order is completed with CR LF . The Parameter IDs are *case insensitive*, i.e. it does not matter if you use upper or lower case letters. Special characters in strings have to be specified through the usual hexadecimal notification. (e.g. %20 is the space character etc.).

#### General Format:

```
ECALLURL.ASP?WCI=Interface&[Function]=[Kommando]&[Parameter 1]=[Parameter 1 Value]&[Parameter 2]=[Parameter 2 Value]
```



## 4.2 Transmission Order for Text Messages

### Command

SendPage                      Command for a text message

### Must-Parameter

Address                      Complete pager or mobile phone number  
or a list of numbers divided by a semicolon ;  
or a name of a person or a group specified in the address book of the ecall account

Message                      Text that should be seen on the pager/mobile phone. Crlfs must be replaced with  
the <CR> and <LF> characters.

AccountName                Name of the eCall Business account

AccountPassword           Password for the eCall Business account

### Optional Parameter

JobID                        Definite message identification

### Expanded Functions

CallBack                    Callback number (only applicable for mobile phones)  
**You cannot use a business phone number as a callback number!**

Notification                Receiving address for a message, as soon as the mobile phone recipient has received the  
message (mobile phone or pager number, e-mail- or IP-address, "" in the logbook / format  
for an IP-address with Port: 192.168.0.56/15300)

AlwaysNotification        Receiving address for a message, as soon as a change in the message status (pager or  
mobile phone) has been made.

Answer                      ECall's answer function (mobile phone or pager number, e-mail or IP address, "" in the  
logbook)  
(only applicable for mobile phones, callback number cannot function in this case)

SendDate                    Determines the sending time of the order, in the case of delayed sending.  
Format: yyyy-mm-dd hh:mm:ss

MsgType                    Transmission possibilities for a specific type of message. Defined types are:  
- Flash                      -> Flash-SMS

NoLog                        Set the parameter to 1, so that the message will not be written in the log.

### Example

ECALLURL.ASP?WCI=Interface&Function=SendPage&Address=0791234567&Message=Test&AccountName=foo&Account  
Password=bar

### Note

The contents of notification or a reply to a mobile phone, pager, or an e-mail address are restricted to the status of the  
notification or the reply of the recipient. An exception is the JobID, if this parameter was used, in which case it will be put in  
at the end of an e-mail text.



### 4.3 Transmission Order for Fax messages

#### Command

SendFax                      Command for a fax message

#### Must-Parameter

Address                      Complete fax number including country code or a list of numbers divided by a semicolon ; or a name of a person or a group specified in the address book of the ecall account  
Message                      Fax message text, cannot contain "&" and/or "=". CrLfs must be replaced with the <CR> and <LF> characters.  
AccountName                Name of the eCall Business account  
AccountPassword           Password for the eCall Business account

#### Optional Parameter

JobID                        Definite Identification of the message

#### Expanded Functions

FromText                    Identification text and/or sender number  
Subject                      Title of the message  
SendDate                    Determines the sending time of the order, in the case of delayed sending.  
Format: yyyy-mm-dd hh:mm:ss

#### Example

ECALLURL.ASP?WCI=Interface&Function=SendFax&Address=011234567&Message=Test&AccountName=foo&AccountPassword=bar

### 4.4 Transmission Order for Voice Messages

#### Command

SendVoice                    Command for a voice message

#### Must-Parameter

Address                      Complete number including country code  
Message                      Fax message text cannot contain any tabs. CrLfs must be replaced with <CR> and <LF> characters.  
AccountName                Name of the eCall Business account  
AccountPassword           Password for the eCall Business account

#### Optional Parameter

JobID                        Definite Identification of the message

#### Expanded Functions

MsgLanguage                Determines the language in which the text is read. The language parameters are as follows:  
German=DE, French=FR, Italian=IT, English=EN  
Default: language is automatically recognised.  
FromText                    Contains the name of the client, which is read before the message.  
SendDate                    Determines the sending time of the order, in the case of delayed sending.  
Format: yyyy-mm-dd hh:mm:ss

#### Example

ECALLURL.ASP?WCI=Interface&Function=SendVoice&Address=017873071&Message=Test&AccountName=foo&AccountPassword=bar



#### 4.5 Result Message

##### Command

ResultPage                    Command of a result message

##### Must-Parameter

ResultCode                    Result code (according to paragraph error codes)

ResultText                    Result in cleartext (according to paragraph error codes)

##### Optional Parameter

JobID                            Definite message identification, if it was contained in the transmission order

##### Example

```
ResultPage<TAB>ResultCode:0<TAB>ResultText:Page Accept<CR><LF>
```

Please note that the result message only shows that the transmission order was accepted by eCall. It does not say whether or not the order was successfully transmitted to the appropriate call center or to the recipient. Ecall provides other mechanisms for this purpose (log, notification).



## 5 Error Codes

ErrorCode	ErrorText	Description
11000	SyntaxError	SyntaxError
11001	PermissionDenied	Access denied
11100	AdrAdCInvalid	Invalid or incorrect recipient address
11101	AdrNAdInvalid	Invalid or incorrect confirmation address
11102	AdrAdCMissing	Recipient address missing
11103	AdrNAdMissing	Notification address missing
11104	AdrAdCTooMany	Too many recipient addresses transmitted
11105	AdrAdCNotAllowed	Recipient address is not within defined area
11200	MsgNoCharacters	No message existent
11201	MsgInvalidCharacters	Invalid character in message
11202	MsgSendTimeInvalid	Invalid sending time given
11203	MsgSendTimeNotAllowed	Sending time is not within time slot
11300	AccNoUser	Unknown User
11301	AccNoUnits	Not enough credits in account
11303	AccNoFreeUnits	Not enough free credits in account
11400	CallSystemInvalid	Invalid call system
11401	CallSystemInvalidForUser	Invalid call system for this user
11402	CallSystemNotSupported	Call system is not supported
11403	CallSystemConfused	Call system is temporarily out of order
11500	IDMissing	ID is missing
11501	IDInvalid	ID could not be found
11502	IDDoesNotExist	ID does not exist in the system
11600	StateAlreadyTransmitted	Message was already sent
11700	DataReadError	Data content could not be read
11800	CBMsgError	Callback contains a forbidden number or text

## 6 Connection

Ecall's URL-access is presently configured as follows:

### Decoded Access

Server 1: <http://www1.ecall.ch/ecallurl/ecallurl.ASP?WCI=Interface...>

Server 2: <http://www2.ecall.ch/ecallurl/ecallurl.ASP?WCI=Interface...>

### Encoded/encrypted Access

Server 1: <https://www1.ecall.ch/ecallurl/ecallurl.ASP?WCI=Interface...>

Server 2: <https://www2.ecall.ch/ecallurl/ecallurl.ASP?WCI=Interface...>



## 7 Identification

eCall only accepts orders if the sender can be identified. The following criteria can selectively be used in order to identify the sender:

- Refferer field in HTTP Header
- Account name and password

These criteria can, as a matter of course, also be combined.  
Please contact us for further identification possibilities.

## 8 Access Test

You can use your webbrowser in order to conduct a simple access test. Pleas note the requirements for the use of access. In addition, you must know if the account name and the account password are necessary for identification (can also be turned off).

1. Start-up your browser.
2. Copy the following URL in your browser to the address field.

<http://www1.ecall.ch/ecallurl/ecallurl.asp?wci=Interface&Function=SendPage&Address=0740342686&Message=Test&AccountName=foo&AccountPassword=bar>

Please note that the values for AccountName and AccountPassword need to be set to your values.

3. You will receive a reply as described in section 4.5.