

# Technical requirements specification: Action URL

Author:	Version:	Date:
Auerswald GmbH & Co. KG	1.0	04.02.16

## Version tracking

Version	Date	Change	Author
1.1	28.04.16	Attendet Transfer / Alert	MGa
1.0	04.02.16	Translation	MGa
0.4	13.11.2015	OFFHOOK added, settings Action URL commands	DeT
0.3	04.11.2015	Adjustemts; RETRIEVE removed, SWAP added	CG
0.2	03.11.2015	Adjustments; RETRIEVE added	DeT
0.1	07.10.2015	First version	DeT

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## 1 Overview

A simple CTI possibility should be created to control our IP telephones (COMfortel 1400 IP, COMfortel 2600 IP, COMfortel 3600 IP) via the PC.

For this purpose, simple http commands should be sent. Furthermore, the telephone should send simple http commands.

Additionally, some system commands should also be realised via SIP-notify.

We distinguish between system commands and telephone commands.

## 2 System commands

All system commands should be realised with SIP-notify and http

### 2.1 Reboot

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[http://phoneIP/remote\\_control?action=REBOOT](http://phoneIP/remote_control?action=REBOOT)

### **2.2 Factory reset**

[http://phoneIP/remote\\_control?action=FACTORY\\_RESET](http://phoneIP/remote_control?action=FACTORY_RESET)

### **2.3 Update**

[http://phoneIP/remote\\_control?action=UPDATE](http://phoneIP/remote_control?action=UPDATE)

### **2.4 Start Provisioning**

[http://phoneIP/remote\\_control?action=PROVISIONING](http://phoneIP/remote_control?action=PROVISIONING)

### **2.5 Reregister**

[http://phoneIP/remote\\_control?action=REGISTER](http://phoneIP/remote_control?action=REGISTER)

## **3 Telephone command: PC → Telephone**

The telephone commands are only realised for http. For controlling via SIP, uaCSTA should be used later.

The http commands are secured with Digest-Authentication.

In the settings under Action URL, an additional parameter in the telephone will be implemented, that prevents the receiving of Action URLs. In factory state, the function is switched on.

### **3.1 Make Call**

[http://phoneIP/remote\\_control?action=CALL&number=<PhoneNumber>&accountId=<AccountID>](http://phoneIP/remote_control?action=CALL&number=<PhoneNumber>&accountId=<AccountID>)

When the account ID is „0“ (or not specified), the call is made via the default account.

### **3.2 Offhook**

[http://phoneIP/remote\\_control?action=OFFHOOK](http://phoneIP/remote_control?action=OFFHOOK)

Nimmt einen eingehenden Ruf an. Evtl. aktive Gespräche werden ins Halten gestellt.

### **3.3 Disconnect**

[http://phoneIP/remote\\_control?action=HANGUP](http://phoneIP/remote_control?action=HANGUP)

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Ends active call.

### 3.4 DTMF

[http://phoneIP/remote\\_control?action=DIAL&number=<PhoneNumber>](http://phoneIP/remote_control?action=DIAL&number=<PhoneNumber>)

If no call is active, the digits will be entered into the dialer.

### 3.5 Hold

[http://phoneIP/remote\\_control?action=HOLD](http://phoneIP/remote_control?action=HOLD)

Puts active call on hold or Legt aktiven Ruf ins Halten oder holt den zuletzt gehaltenen Ruf zurück.

### 3.6 Swap

[http://phoneIP/remote\\_control?action=SWAP](http://phoneIP/remote_control?action=SWAP)

Puts active call on hold and gets back the last call on hold (toggling between conversations).

### 3.7 Conference

[http://phoneIP/remote\\_control?action=CONFERENCE](http://phoneIP/remote_control?action=CONFERENCE)

If two calls exist, a conference will be established.

### 3.8 Transfer

[http://phoneIP/remote\\_control?action=TRANSFER](http://phoneIP/remote_control?action=TRANSFER)

If two calls exist, call A is transferred to call B.

## 4 Telephone commands: Telephone → PC

For the following actions, http commands must be configured in the telephone:

- Ring
- Connect
- Disconnect
- Hold
- Idle
- Alert

Parameters will be added to the URL:

number=      Remote Number

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name= Remote Name  
accountId= Account Id  
callId= The Call ID for the call.  
mac= MAC Address (without colon)