

Yeastar S-series - Maxwell auto-provisioning

Introduction

This page describes how the Gigaset Maxwell devices are provisioned behind the Yeastar S-series.

- Yeastar S-series PBX
- Yeastar auto-provisioning app minimum version 1.5.35
- Maxwell Basic/2/3 2.24

Yeastar is using tftp for provisioning which is supported by the Maxwell Basic, 2 and 3. The Gigaset DECT devices do not support tftp.

The Yeastar will send a SIP NOTIFY with **Event: check-sync;reboot=true** to start provisioning, this means that the device is rebooted to trigger the provisioning. The reboot is a Yeastar requirement as Gigaset devices do not need a reboot.

Expansion modules are current not supported by Yeastar, possible in the future. You can configure them via the web-interface of the Maxwell.

Yeastar settings

Open the Yeastar Auto provisioning app and it shows you a list with devices.

Auto Provisioning								
Device List Upload Files Phonebook Firmware Upgrade Templates								
Scan Add Bulk Add Edit Delete 7c 🔍								
<input type="checkbox"/>	MAC Address	Extension	Name	IP Address	Manufacturer	Model	Edit	Delete
<input type="checkbox"/>	7c2f809cea7c	1011	MaxwellBasic	192.168.178.181	Gigaset	MaxwellBasic	✎	🗑
<input type="checkbox"/>	7C2F809CF375	1012	Maxwell3	192.168.178.180	Gigaset	Maxwell3	✎	🗑
<input type="checkbox"/>	7c2f8096d2cf	Not Configured	Not Configured	192.168.178.5	Gigaset		✎	🗑
<input type="checkbox"/>	7c2f80c6e5c2	Not Configured	Not Configured	192.168.178.190	Gigaset		✎	🗑
<input type="checkbox"/>	7c2f80c7326d	Not Configured	Not Configured	192.168.178.191	Gigaset		✎	🗑
<input type="checkbox"/>	7C2F80D6C242	Not Configured	Not Configured	192.168.178.184	Gigaset	Maxwell2	✎	🗑
<input type="checkbox"/>	7c2f808e71aa	Not Configured	Not Configured	192.168.178.182	Gigaset		✎	🗑
<input type="checkbox"/>	7C2F80BCCED2	Not Configured	Not Configured	192.168.178.183	Gigaset	Maxwell3	✎	🗑

Click on Edit to start with the device configuration

Account settings

✕

Manufacturer:Gigaset

MAC Address:7C2F809CF375

Model:Maxwell 3

Template:[None]

Account

Function Key Settings

Features

Preference

Codec

<input checked="" type="checkbox"/> Line1	Extension:	1012	Label:	Maxwell 3	<input checked="" type="checkbox"/> Line Active
<input type="checkbox"/> Line2	Extension:	1001	Label:		<input checked="" type="checkbox"/> Line Active
<input type="checkbox"/> Line3	Extension:	1002	Label:		<input checked="" type="checkbox"/> Line Active
<input type="checkbox"/> Line4	Extension:	1003	Label:		<input checked="" type="checkbox"/> Line Active

Save

Cancel

Here you can define up to 4 (SIP) accounts

Function Key settings

Only valid for Maxwell 2 and 3

✕

Manufacturer:

Gigaset

MAC Address:

7C2F809CF375

Model:

Maxwell 3

Template:

[None]

Account

Function Key Settings

Features

Preference

Codec

Key	Type	Value	Label	Line	Code
<input checked="" type="checkbox"/> Key1	<div>BLF</div>	<div>1000</div>	<div>1000</div>	<div>IP1</div>	<div>*04</div>
<input checked="" type="checkbox"/> Key2	<div>BLF</div>	<div>1001</div>	<div>1001</div>	<div>IP1</div>	<div>*04</div>
<input checked="" type="checkbox"/> Key3	<div>BLF</div>	<div>1002</div>	<div>1002</div>	<div>IP1</div>	<div>*04</div>
<input checked="" type="checkbox"/> Key4	<div>BLF</div>	<div>1003</div>	<div>1003</div>	<div>IP1</div>	<div>*04</div>
<input checked="" type="checkbox"/> Key5	<div>BLF</div>	<div>1004</div>	<div>1004</div>	<div>IP1</div>	<div>*04</div>
<input checked="" type="checkbox"/> Key6	<div>BLF</div>	<div>1005</div>	<div>1005</div>	<div>IP1</div>	<div>*04</div>
<input checked="" type="checkbox"/> Key7	<div>Line</div>			<div>IP1</div>	

Save

Cancel

Type	Description
No function	Empty key
Line	Line key
Park + Retrieve	Enter parking position for example 6900
Quick Dial	Quick Dial number
BLF	Busy Lamp Key
Call Divert	Enabled Call Divert All configured in Maxwell
DTMF	Send DTMF tones

Features

✕

Edit Device

Manufacturer:

Gigaset

MAC Address:

7c2f809cea7c

Model:

Maxwell Basic

Template:

[None]

Account

Features

Preference

Codec

☒ Call Waiting

☐ Voicemail

☒ Local Phone Book

Transport Protocol:

UDP

SIP via TLS:

Off

Remote Phone Book

Index

Phonebook URL

Phonebook Name

1

Save

Cancel

Yeastar feature	Maxwell	Provisioning
Call Waiting	Telephony - Call Settings - Call Waiting - Display waiting call	SIP.Account.x.CallWaiting
Voicemail	Telephony - Voicemail - Active	SIP.Account.x.VoiceMail.Active
Local Phone Book	See wiki article.	<div></custom> <step type="LocalPhoneBook" url="http://192.168.178.210/phonebook/gigaset.xml"/> </custom></div> <div>You need to define the phonebook on the Main page of Yeastar Auto provisioning - Phonebook</div>
Transport Protocol	Telephony - VoIP	SIP.TransportProtocol
SIP via TLS	Telephony - VoIP	SIP.Security.UseSIPS
Remote Phonebook	Online Directories - XML	<div><param name="NetDir.Xml.0.ProviderName" value="test"/> <param name="NetDir.Xml.0.ServerAddress" value="//192.168.178.200/test.xml"/></div>

Preference

Edit Device

Manufacturer: Gigaset

MAC Address: 7c2f809cea7c

Model: Maxwell Basic

Template: [None]

Account

Features

Preference

Codec

Webserver Type: HTTP

Language: Nederlands

Admin Password: ☒ Fixed ☐ Prefix admin

Time Zone: (GMT+01:00) Amsterdam, Berlin

Primary NTP Server: pool.ntp.org

Automatically adjust clock for daylight saving changes: Enabled

Time Format: 24h

Save

Cancel

Yeastar feature	Maxwell	Provisioning
Webserver Type	System - Phone Web Server	HTTP.ConnectionType
Language		WebUI.Language
Admin Password		WebUI.AdminPassword
Time Zone	System - Date and Time	System.DateAndTime.TimeZone
Primary NTP Server	System - Date and Time	System.DateAndTime.TimeServer
Automatically adjust clock for daylight saving changes	System - Date and Time	System.DateAndTime.AutoAdjustClockForDST
Time Format	System - Date and Time	System.DateAndTime.TimeFormat
Date Format	System - Date and Time	System.DateAndTime.DateOrder

Codec

✕

Manufacturer:

Gigaset

MAC Address:

7c2f809cea7c

Model:

Maxwell Basic

Template:

[None]

Account

Features

Preference

Codec

Available Codecs

G.729

iLBC

G.726-32

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Selected Codecs

G.711_alaw

G.711_ulaw

G.722

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↷

↶

↷

Save

Cancel

Yeastar feature	Maxwell	Provisioning
Selected Codecs	Telephony - Audio	SIP.ActiveCodecs"

Firmware update

You can add the firmware files on the Firmware Upgrade page.

Important is that the firmware version is named in the file as the provisioning needs the number of the firmware. If the number is not correct then firmware update will fail.

Auto Provisioning

Device List
Upload Files
Phonebook
Firmware Upgrade
Templates

Only the configured phones in the "Device List" can upgrade the firmware.

☒ Enable Upgrade ⓘ

Gigaset Maxwell3 Firmware:

Gigaset MaxwellBasic Firmware:

Provisioning Template example

```

<?xml version="1.0" encoding="UTF-8"?>
<provisioning version="1.1" productID="mx3b">

<nvm>
<param name="Telephony.PhoneSystem.Type" value="0"/>
<param name="HTTP.ConnectionType" value="HTTP"/>
<param name="WebUI.Language" value="nl-nl"/>
<param name="PhoneUI.Settings.Language" value="nl-nl"/>
<param name="System.DateAndTime.TimeZone" value="GMT+1.Europe/Amsterdam"/>
<param name="System.DateAndTime.DateOrder" value="dd.mm.yyyy"/>
<param name="System.DateAndTime.TimeFormat" value="24h"/>
<param name="System.DateAndTime.AutoAdjustTime" value="NTPServiceEnabled"/>
<param name="System.DateAndTime.TimeServer" value="pool.ntp.org"/>
<param name="SIP.TransportProtocol" value="1"/>
<param name="SIP.Security.UseSIPS" value="0"/>
<param name="Calls.Missed.Subscribe.Active" value="0" />
<param name="SIP.Timers.FailedRegistration" value="300"/>
<param name="SIP.Timers.Session" value="3600"/>

<param name="WebUI.AdminPassword" value="admin"/>
<param name="System.DateAndTime.AutoAdjustClockForDST" value="AutomatedDaylightSavingEnabled"/>

```

```

<param name="SIP.VoiceQuality" value="2" />
<param name="SIP.ActiveCodecs" value="8,0,9" />
<!-- SIP account 1 -->
<param name="SIP.Account.0.Active" value="1" />
<param name="SIP.Account.0.Provider" value="Yeastar" />
<param name="SIP.Account.0.AuthName" value="1011" />
<param name="SIP.Account.0.AccountName" value="MaxwellBasic" />
<param name="SIP.Account.0.AuthPassword" value="123456" />
<param name="SIP.Account.0.DisplayName" value="1011" />
<param name="SIP.Account.0.Username" value="1011" />
<param name="SIP.Account.0.Domain" value="192.168.178.210" />
<param name="SIP.Account.0.RegistrationServer.Address" value="192.168.178.210"/>
<param name="SIP.Account.0.RegistrationServer.Port" value="5060"/>
<param name="SIP.Account.0.CallWaiting" value="1" />
<param name="SIP.Account.0.VoiceMail.Active" value="0" />
<param name="SIP.Account.0.VoiceMail.Mailbox" value="*2"/>
<param name="SIP.Account.0.DTMFTransmission" value="1"/>
<param name="SIP.Account.0.AutoNegOfDTMFTransmission" value="0"/>

<param name="NetDir.Xml.0.ProviderName" value=""/>
<param name="NetDir.Xml.0.ServerAddress" value=""/>

<param name="FirmwareManagment.AutomaticCheckForUpdates" value="1"/>
<param name="System.Provision.ProvisioningServer" value="http://192.168.178.210/%MACD.xml"/>
</nvm>

<custom>
<step type="LocalPhoneBook" url=""/>
</custom>

<firmware>
<file version="" url="https://192.168.178.210:8088/tftpboot/upload/firmware"/>
</firmware>

</provisioning>

```

SRTP

If you want to use SRTP please use the following settings in the Maxwell:

Security	
Secure Real Time Protocol (SRTP)	<input checked="" type="button" value="Yes"/> <input type="button" value="No"/>
Accept non-SRTP calls	<input type="button" value="Yes"/> <input checked="" type="button" value="No"/>

Secure Real time Protocol (SRTP): Yes

Accept non-SRTP calls: No