

# **Configuration Notes**

## **for Aastra MX-ONE in Ascom IP-DECT System**

## Contents

<b>1 Introduction .....</b>	<b>1</b>
1.1 Abbreviations and Glossary .....	1
<b>2 General .....</b>	<b>2</b>
<b>3 IP-DECT Configuration .....</b>	<b>2</b>
3.1 DECT .....	2
3.2 Users .....	3
<b>4 MX-ONE Configuration.....</b>	<b>4</b>
4.1 Number Series .....	4
4.2 Common Service Profile .....	4
4.3 Network Domain .....	4
4.4 Generic Extension .....	4
4.5 IP Extension .....	4
4.6 Data Backup .....	4
<b>5 Related Documents.....</b>	<b>5</b>

## 1 Introduction

This document is intended as a guide when using an Aastra MX-ONE in the Ascom IP-DECT System. The document will describe some of the settings necessary to gain good performance when the Ascom IP Base Stations used with MX-ONE.

**Note:** It is not within the scope of this document to describe the configuration process of the IP Base Station, please refer to the appropriate IP Base Station manual.

### 1.1 Abbreviations and Glossary

DECT	Digital Enhanced Cordless Telecommunications: global standard for cordless telephony.
SIP	Session Initiation Protocol

## 2 General

For maximum performance consider the recommendations in *Considerations for Ascom IP-DECT System Planning, TD 92422GB*.

## 3 IP-DECT Configuration

### 3.1 DECT

#### System

Select DECT -> System.

Parameter	Value	Information
Local R-Key Handling	Disable	R-Key information is handled by MX-ONE

#### Suppl. serv.

Select DECT -> Suppl. serv.

Parameter	Value	Information
Enable Supplementary Services	Enable	The supplementary services are activated.
MWI Mode	User dependent interrogate number	The user's own call number is used as MWI Interrogate number.
MWI Notify Number		Enter a voice mail number. This number will be common to all users.  Note: This parameter will be visible when "User dependent interrogate number" is selected for the parameter MWI Mode.

Select the *Disable* check box to disable all other services and let MX-ONE handle them.

#### Master

Select DECT -> Master

Parameter	Value	Information
Proxy	For example, 10.0.0.7	Enter the MX-ONE IP address or host name
Alt. Proxy		If applicable, enter the alt. MX-ONE IP address or host name
Domain	For example, enter ascom.se from the domain name 123456@ascom.se	Enter the domain part of the SIP address or leave this field blank if not used.

Enbloc Dialing	Enable	The keystrokes on the handsets are buffered in the IP-DECT device for a short period of time before sent to the IP-PBX
DTMF through RTP channel	Disable	DTMF digits are sent to MX-ONE.
Hold Signalling	sendonly	Media stream is only sent and not received.
Accept Inbound Calls not Routed via Home Proxy	Enable	Needed for multihomed MX-ONE systems
Register with number	Enable	The number is used for registrations towards the IP-PBX instead of name. Name will be used for authentication.

## 3.2 Users

### Users

Select Users -> Users -> New.

Parameter	Information
Long Name	Mandatory, unique string
Name	Same as "User ID" in MX-ONE
Number	Same as "Directory Number" in MX-ONE
Password	Same as "Password" in MX-ONE

## 4 MX-ONE Configuration

This section describes the necessary configuration of the MX-ONE to be able to register an IP-DECT handset. For more information on how to configure the MX-ONE, see applicable documentation from Aastra.

### 4.1 Number Series

Create a number series including the directory number of the portable that shall be registered.

Example:

number series between 1000 and 1999, local number type

```
MML> NANSI:NUMSE=1000&&1999,NUMTYP=EX;
```

### 4.2 Common Service Profile

A virtual generic extension is created when a directory number with a Common Service Profile (CSP) is initiated in the exchange.

Example:

Create CSP, for detailed information about the parameters settings see applicable MX-ONE documentation.

```
MML> GESPI:CSP=0,TRAF=0103151515,SERV=2000011000300,CDIV=10810000,  
ROC=000001,NPRES=0001;
```

### 4.3 Network Domain

```
MML> IPGDI:LIM=1,DOMAIN="mxonedevlab.ascom",CODLST=B-250;
```

### 4.4 Generic Extension

When a directory number is created, a generic extension must be created to tie the extension to.

Example:

Directory Number=1000

```
MML> GEDII:DIR=1000,CSP=0,LIM=1;
```

### 4.5 IP Extension

When creating an IP Extension it is not needed to specify the type of communication protocol in MX-ONE. The communication protocol is specified by the end point.

Example:

Directory Number = 1000, Password = ascom (max 30 characters)

```
MML> IPEXI:DIR=1000,PASSW="ascom";
```

### 4.6 Data Backup

Always use the `data_backup` command after entering the commands above, otherwise all changes will be lost.

```
MML> DATA_BACKUP
```

## 5 Related Documents

System Description, Ascom IP-DECT System	TD 92375GB
System Planning, Ascom IP-DECT	TD 92422GB
Installation and Operation Manual, IP-DECT Base Station & IP-DECT Gateway (software version 3.0.x)	TD 92579GB

## Document History

Version	Date	Description
A	2009-02-02	First released version.
B	2010-11-30	Have updated chapter 3.1.