

Appendix B: PARTNER side CONFIGURATION

7.1 Screenshots from AIPHONE IX-Support-Tool :

- **Identification Menu :**

<ul style="list-style-type: none"> Station Information <ul style="list-style-type: none"> Identification ID and Password Time Expanded System Network Settings System Information Call Settings Option Input / Relay Output Settings Paging Settings Function Settings 	Station Information				
	Identification				
	#	Number	Name	Location	Station Type
	0001	4445	IXMV7		IX-MV7-*
	0002	4446	IXDV		IX-DV, IX-DVF(-*)
0003	4447	IXDA		IX-DA	
0004	4448	IXSS2G		IX-SS-2G	

- **ID and Password Menu :**

<ul style="list-style-type: none"> Station Information <ul style="list-style-type: none"> Identification ID and Password Time Expanded System Network Settings System Information Call Settings Option Input / Relay Output Settings Paging Settings Function Settings 	Station Information				Station Information		
	Identification				ID and Password		
	#	Number	Name	Location	Station Type	Administrator ID	Administrator Password
	0001	4445	IXMV7		IX-MV7-*	aiphone	*****
	0002	4446	IXDV		IX-DV, IX-DVF(-*)	aiphone	*****
0003	4447	IXDA		IX-DA	aiphone	*****	
0004	4448	IXSS2G		IX-SS-2G	aiphone	*****	

- **Time Menu :**

<ul style="list-style-type: none"> Station Information <ul style="list-style-type: none"> Identification ID and Password Time Expanded System Network Settings System Information Call Settings Option Input / Relay Output Settings Paging Settings Function Settings 	Station Information				Station Information		
	Identification				Time		
	#	Number	Name	Location	Station Type	Time Zone	
	Select time zone						
	0001	4445	IXMV7		IX-MV7-*	(GMT-08:00) Pacific Standard Time (US), Tijuana	
0002	4446	IXDV		IX-DV, IX-DVF(-*)	(GMT-08:00) Pacific Standard Time (US), Tijuana		
0003	4447	IXDA		IX-DA	(GMT-08:00) Pacific Standard Time (US), Tijuana		
0004	4448	IXSS2G		IX-SS-2G	(GMT-08:00) Pacific Standard Time (US), Tijuana		

• IP Address Menu :

Station Information					Network Settings Text in red are required													
Identification					IP Address													
#	Number	Name	Location	Station Type	IP Version	Static / DHCP	IPv4 Address											
							IP Address				Subnet Mask				Default Gateway			
							1	2	3	4	1	2	3	4	1	2	3	4
0001	4445	IXMV7		IX-MV7-*	IPv4	Static	192	168	1	10	255	255	255	0	192	168	1	1
0002	4446	IXDV		IX-DV, IX-DVF(-*)	IPv4	Static	192	168	1	11	255	255	255	0	192	168	1	1
0003	4447	IXDA		IX-DA	IPv4	Static	192	168	1	12	255	255	255	0	192	168	1	1
0004	4448	IXSS2G		IX-SS-2G	IPv4	Static	192	168	1	13	255	255	255	0	192	168	1	1

• DNS Menu :

Station Information					Network Settings							
Identification					DNS							
#	Number	Name	Location	Station Type	Primary Server							
					IPv4				IPv6			
					1	2	3	4	1	2	3	4
0001	4445	IXMV7		IX-MV7-*	192	168	1	1				
0002	4446	IXDV		IX-DV, IX-DVF(-*)	192	168	1	1				
0003	4447	IXDA		IX-DA	192	168	1	1				
0004	4448	IXSS2G		IX-SS-2G	192	168	1	1				

• SIP Menu :

Station Information					Network Settings Text			
Identification					SIP			
#	Number	Name	Location	Station Type	SIP Connections		Primary Server	
					SIP Signaling Port	User Agent	ID	Password
0001	4445	IXMV7		IX-MV7-*	5060		4445	*****
0002	4446	IXDV		IX-DV, IX-DVF(-*)	5060		4446	*****
0003	4447	IXDA		IX-DA	5060		4447	*****
0004	4448	IXSS2G		IX-SS-2G	5060		4448	*****

• Multicast Address Menu :

Station Information					Network Settings							
Identification					Multicast Address							
#	Number	Name	Location	Station Type	Master Station: For Call / Paging, Video Door Station: For Call							
					IPv4				IPv6			
					1	2	3	4	1	2	3	4
0001	4445	IXMV7		IX-MV7-*	224	0	0	1				
0002	4446	IXDV		IX-DV, IX-DVF(-*)	224	0	0	2				
0003	4447	IXDA		IX-DA	224	0	0	3				

• Video Menu :

Station Information					Network Settings Text in red are required settings.								
Identification					Video								
#	Number	Name	Location	Station Type	Video Encoder 1								
					Video Codec	Resolution	Fram	Select Pro	I-picture Inter	Bit rate [kbp]	RTP Start Port	RTP End Port	
0001	4445	IXMV7		IX-MV7-*								30000	31000
0002	4446	IXDV		IX-DV, IX-DVF(-*)	H.264/AVC	640x480(VGA)	15	Baseline	15	1024		30000	31000
0003	4447	IXDA		IX-DA	H.264/AVC	320x240(QVGA)	15	Baseline	15	1024		30000	31000

• **Audio Menu :**

Station Information		Network Settings						
Identification		Audio						
#	Number	Name	Location	Station Type	Audio Codec	Audio RTP Transmission Interval [msec]	RTP Idle Detection Time [sec]	Audio 1 RTP :
0001	4445	IXMV7		IX-MV7-*	G.711 (μ-law)	20	10	
0002	4446	IXDV		IX-DV, IX-DVF(-)	G.711 (μ-law)	20	10	
0003	4447	IXDA		IX-DA	G.711 (A-law)	20	10	
0004	4448	IXSS2G		IX-SS-2G	G.722	20	10	

• **NTP Menu :**

Station Information		Network Settings								
Identification		NTP								
#	Number	Name	Location	Station Type	Enable NTP	Synchronization Interval [hour]	Primary Server		Secondary Server	
							Address	Port	Address	Port
							IPv4	IPv6	IPv4	IPv6
0001	4445	IXMV7		IX-MV7-*	Yes		24 ntp.pool.com		123	
0002	4446	IXDV		IX-DV, IX-DVF(-)	Yes		24 ntp.pool.com		123	
0003	4447	IXDA		IX-DA	Yes		24 ntp.pool.com		123	
0004	4448	IXSS2G		IX-SS-2G	Yes		24 ntp.pool.com		123	

• **Station Information Menu :**

Station Information		Call Settings	
Identification		Station Information	
#	Number	Name	Call Button Function
0002	4446	IXDV	Call, Answer Call, End Communication
0004	4448	IXSS2G	Call, Answer Call, End Communication

• **Address Book (For Master Station) Menu :**

Station Information		Address Book	
Identification		4446	
#	Number	Name	Station Type
			IXDV / IX-DV, IX-DVF(-)
			IXDA / IX-DA
			Select Network Camera
0001	4445	IXMV7	IX-MV7-*

• Called Stations (Door/Substations) Menu :

Station Information						Call Settings	
Identification						Called Stations (Door/Sub Stations)	
#	Number	Name	Location	Station Type	Total	Group 01	
						Number / Name / Station Type	
						4448 / IXSS2G / IX-SS-2G	4450 / Emergency / VoIP Phone
0002	4446	IXDV		IX-DV, IX-DVF(-)	3	U	U
0003	4447	IXDA		IX-DA	2	U	U
0004	4448	IXSS2G		IX-SS-2G	2		U

• VoIP Phone Registration Menu :

#	Number	Name	Location
0001	4460	Emergency	
0002			
0003			
0004			
0005			
0006			
0007			
0008			
0009			
0010			
0011			
0012			

• Call Origination :

#	Number	Name	Location	Station Type	Call Method	Ringback Tone	Call Timeout	Ringback T	Standard Mode S
0001	4445	IXMV7		IX-MV7*		Call Pattern 4	10-600 sec	60	Infinite
0002	4446	IXDV		IX-DV, IX-DVF(-)	Standard Destination	Call Pattern 1	10-600 sec	60	Infinite 01
0003	4447	IXDA		IX-DA	Standard Destination	Call Pattern 1	10-600 sec	60	Infinite 10
0004	4448	IXSS2G		IX-SS-2G	Standard Destination	Call Pattern 1	10-600 sec	60	Infinite 01

• Relay Output :

#	Number	Name	Station Type	Output Time Range	Output Time	Door Release Authorization	Sound Settings
0001	4445	IXMV7	IX-MV7*	200-2000 [msec]		400	66092598657547818628 Operation Sound
0002	4446	IXDV	IX-DV, IX-DVF(-)	200-2000 [msec]		400	51849657395646761575 Operation Sound
0003	4447	IXDA	IX-DA	200-2000 [msec]		400	15846161839681737594 Operation Sound
0004	4448	IXSS2G	IX-SS-2G	200-2000 [msec]		400	80514637145702775851 Operation Sound

• Absent Transfer :

Station Information				Transfer Settings											
Identification				Absent Transfer											
#	Number	Name	Station Type	Absent Transfer	Transfer Destination List										Re-Transfer Dest
					Station List	Number									
					No.01	No.02	No.03	No.04	No.05	No.06	No.07	No.08	No.09	No.10	
0001	4445	IXMV7	IX-MV7-*	Enable	Open	4450									Open

• Delay Transfer :

Station Information				Transfer Settings												
Identification				Delay Transfer												
#	Number	Name	Station Type	Delay Transf	Delay Time [s]	Transfer Destination List										Re-Transfer De
						Station List	Number									
						No.01	No.02	No.03	No.04	No.05	No.06	No.07	No.08	No.09	No.10	
0001	4445	IXMV7	IX-MV7-*	Enable	30	Open	4450									Open

• Schedule Transfer :

Station Information				Transfer Settings				
Identification				Schedule Transfer				
#	Number	Name	Station Type	Schedule Transfer	Weekly Schedule (Sun) 01			
					Station List	No.01	No.02	No.03
0001	4445	IXMV7	IX-MV7-*	Enable	Open	4450		

7.2 Screenshots taken during test in lab

OXO connect 10.1.3.50

Station View - Group 01

#	Number	Name	Location	Station Type	Total
0002	167	DV		IX-DV, IX-DVF(*)	1
0003	168	DA		IX-DA	0
0004	169	SS2G		IX-SS-2G	1

Station View - Group 10

#	Number	Name	Location	Station Type	Total
0002	167	DV		IX-DV, IX-DVF(*)	0
0003	168	DA		IX-DA	1
0004	169	SS2G		IX-SS-2G	0

IX Support Tool - [Setting File Upload] - [System Name:ALE-IX-AIPHONE-OXO-50]

File(F) Edit(E) Language(V) Tools(T) Help(H) Press F1 (or Fn + F1)

AIPHONE IX Support Tool

Table View

Station View

- Station Information
- Network Settings
- System Information
- Call Settings
 - Station Information
 - Called Stations (Master Stat)
 - Called Stations (Door/Sub St)
 - Call Origination
 - Incoming Call
- Option Input / Relay Output Sett
- Paging Settings
- Function Settings
- Transfer Settings
- Station Settings
 - Speed Dials / Favorites
 - Privacy
 - Volume / Tone
 - Communication
 - Monitor
 - Master Station Display
 - Camera

Setting File Upload

Select the station(s) to upload the Setting File(s):

Select	Number	Name	Location	Station Type	Status
<input checked="" type="checkbox"/>	166	MV7		IX-MV7-*	-
<input type="checkbox"/>	167	DV		IX-DV, IX-DVF(-*)	-
<input type="checkbox"/>	168	DA		IX-DA	-
<input type="checkbox"/>	169	SS2G		IX-SS-2G	-

Select Station by Type: All Select Unselect

Select file type to be uploaded

Settings
Sounds
Image
Schedule

- Station Information
- Network Settings
 - IP Address
 - DNS
 - SIP
 - Multicast Address
 - Video
 - Audio
 - Packet Priority
 - NTP
- System Information
- Call Settings
 - Station Information

Station Information					Call Settings
Identification					Station Information
#	Number	Name	Location	Station Type	Call Button Function
0002	167	DV		IX-DV, IX-DVF(-*)	Call, Answer Call, End Communication
0004	169	SS2G		IX-SS-2G	<div style="border: 1px solid gray; padding: 2px;"> Call </div> <div style="border: 1px solid gray; padding: 2px; margin-top: 2px;"> Call, Answer Call, End Communication </div>

Row: Previous Next [Move to Related Settings]

Enter Number: Display SIP Connections

Number of Notes: 2

1. To set VoIP Phone Volume Adjustment, go to "Station Settings -> Volume/Tone -> Volume -> VoIP Phone Volume Adjustment".
2. To set VoIP Phone Call Priority, go to "Call Settings -> Incoming Call -> VoIP Phone Call Priority".

Station Information					Network Settings								
Identification					SIP								
#	Number	Name	Location	Station Type	SIP Connections		Primary Server						
					SIP Signaling Port	User Agent	ID	Password	IPv4 Address	IPv6 Address	Port	ID	
0001	166	MV7		IX-MV7-*	5059		166	*****	10.1.3.50			5059	
0002	167	DV		IX-DV, IX-DVF(-*)	5059		167	*****	10.1.3.50			5059	
0003	168	DA		IX-DA	5059		168	*****	10.1.3.50			5059	
0004	169	SS2G		IX-SS-2G	5059		169	*****	10.1.3.50			5059	

IX Support Tool - [VoIP Phone Registration]

VoIP Phone Registration

Location Registry
To delete VoIP Phone, all line items must be blank.

Certain characters may not be displayed correctly on IX-MV7-* due to font type.

Station List Text in red are required settings.

#	Number	Name	Location	
0001	142	sip 8088app		
0002	145	8068S		
0003	157	8078S		
0004	158	8068S		
0005	161	linphone mac		
0006	504	Hunt-group		
0007				

#	Station Information				Total	Call Settings Text in red are required settings.		
	Number	Name	Location	Station Type		Called Stations (Door/Sub Stations)		
						Group 01		
						Number / Name / Station Type		
0002	167	DV		IX-DV, IX-DVF(-*)	1	8068S / VoIP Phone	161 / linphone mac / VoIP Phone	504 / Hunt-group / VoIP Phone
0003	168	DA		IX-DA	0			U
0004	169	SS2G		IX-SS-2G	1			U

Row

Display

Column

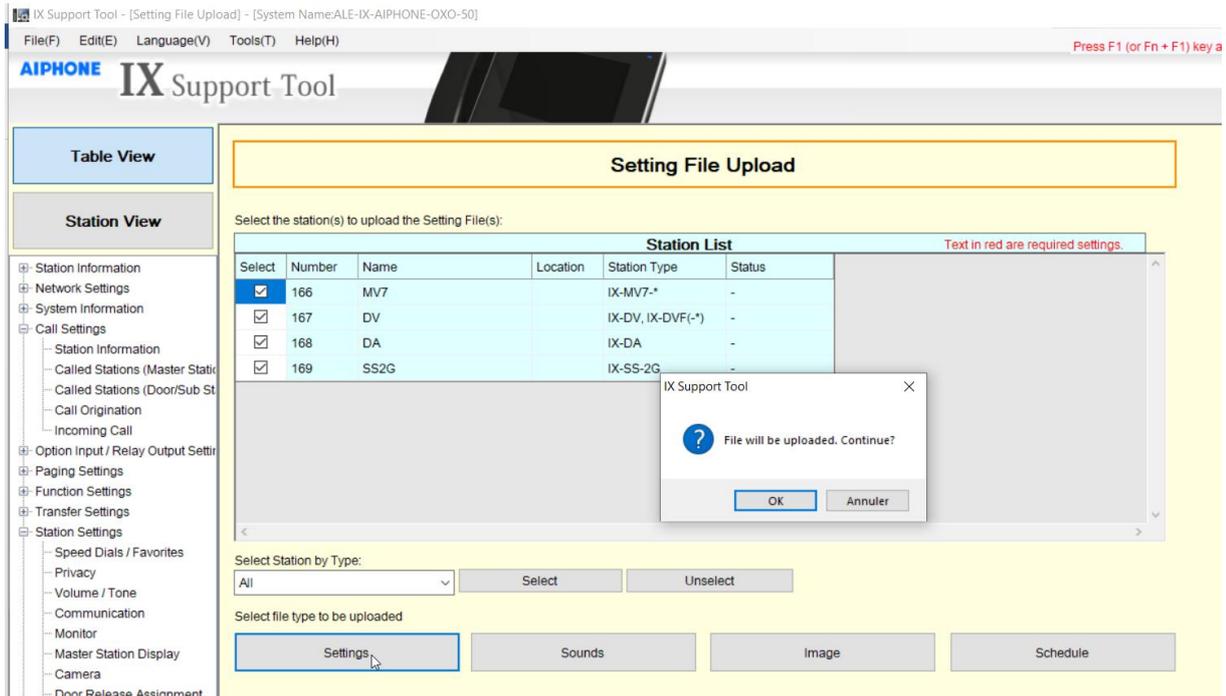
Display

[Display Settings]
Group 10

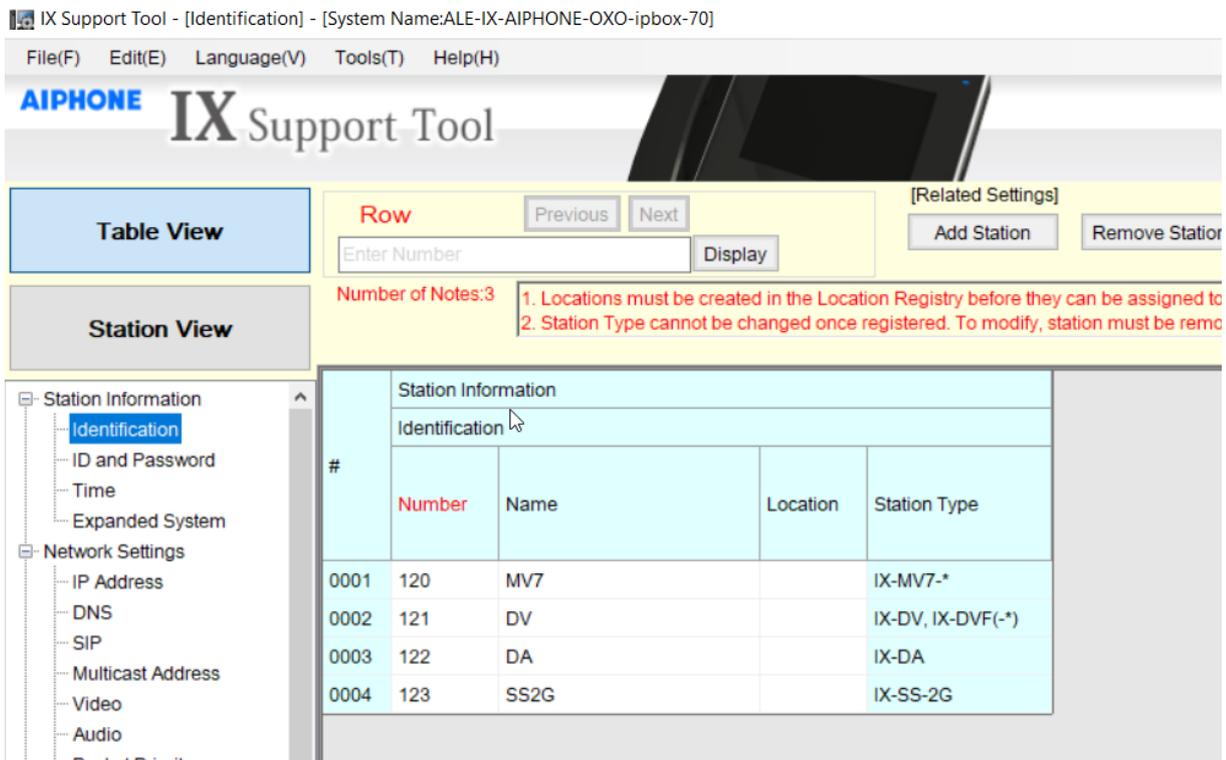
[Related Settings]
VoIP Phone Registration

Number of Notes: 5 1. U = Unicast, M = Multicast
 If designating "M", multicast IP addresses must be configured for the station(s).

#	Station Information				Total	Call Settings Text in red are required settings.		
	Number	Name	Location	Station Type		Called Stations (Door/Sub Stations)		
						Group 10		
						Number / Name / Station Type		
0002	167	DV		IX-DV, IX-DVF(-*)	0	8068S / VoIP Phone	161 / linphone mac / VoIP Phone	504 / Hunt-group / VoIP Phone
0003	168	DA		IX-DA	1			U
0004	169	SS2G		IX-SS-2G	0			



7.3 OXO Connect Evolution 10.1.3.70



Station Information		Network Settings																	
Identification		IP Address																	
#	Number	Name	Location	Station Type	Hostname	IP Version	Static / DHCP	IPv4 Address				IPv6 Address							
								IP Address		Subnet Mask		Default Gateway		IP Address					
0001	120	MV7		IX-MV7-*		IPv4	Static	10	1	4	10	255	255	0	0	10	1	255	254
0002	121	DV		IX-DV, IX-DVF(-*)		IPv4	Static	10	1	4	11	255	255	0	0	10	1	255	254
0003	122	DA		IX-DA		IPv4	Static	10	1	4	12	255	255	0	0	10	1	255	254
0004	123	SS2G		IX-SS-2G		IPv4	Static	10	1	4	13	255	255	0	0	10	1	255	254

Station Information		Network Settings										
Identification		SIP										
#	Number	Name	Location	Station Type	SIP Connections		Primary Server				Secondary Server ID	
					SIP Signaling Port	User Agent	ID	Password	IPv4 Address	IPv6 A		Port
0001	120	MV7		IX-MV7-*	5059		120	*****	10.1.3.70			5059
0002	121	DV		IX-DV, IX-DVF(-*)	5059		121	*****	10.1.3.70			5059
0003	122	DA		IX-DA	5059		122	*****	10.1.3.70			5059
0004	123	SS2G		IX-SS-2G	5059		123	*****	10.1.3.70			5059

Station Information		Network Settings						
Identification		SIP						
#	Number	Name	Location	Station Type	Tertiary Server	Miscellaneous		
					Port	Register Transmission Interval [sec]	DTMF digit in	
0001	120	MV7		IX-MV7-*	5060		120	
0002	121	DV		IX-DV, IX-DVF(-*)	5060		3600	
0003	122	DA		IX-DA	5060		3600	
0004	123	SS2G		IX-SS-2G	5060		3600	

Station Information		Network Settings							
Identification		NTP							
#	Number	Name	Location	Station Type	Enable NTP	Synchronization Interval [hour]	Primary Server		
							Address		Port
							IPv4	IPv6	
0001	120	MV7		IX-MV7-*	Yes	1	10.1.3.70		123
0002	121	DV		IX-DV, IX-DVF(-*)	Yes	1	10.1.3.70		123
0003	122	DA		IX-DA	Yes	1	10.1.3.70		123
0004	123	SS2G		IX-SS-2G	Yes	1	10.1.3.70		123

Station Information		Call Settings			
Identification		Called Stations (Door/Sub Stations)			
#	Number	Name	Location	Station Type	Total
					Group 01
0002	121	DV		IX-DV, IX-DVF(-*)	1
0003	122	DA		IX-DA	0
0004	123	SS2G		IX-SS-2G	1

[Display Settings] [Related Settings]

 Group 10 VoIP Phone Registration

Number of Notes: 5

 1. U = Unicast, M = Multicast

 If designating "M", multicast IP addresses must be configured for the station(s).

Station Information		Call Settings			
Identification		Called Stations (Door/Sub Stations)			
#	Number	Name	Location	Station Type	Total
					Group 10
0002	121	DV		IX-DV, IX-DVF(-*)	0
0003	122	DA		IX-DA	1
0004	123	SS2G		IX-SS-2G	0

IX Support Tool - [VoIP Phone Registration] ×

VoIP Phone Registration

Location Registry To delete VoIP Phone, all line items must be blank.

Certain characters may not be displayed correctly on IX-MV7-* due to font type.

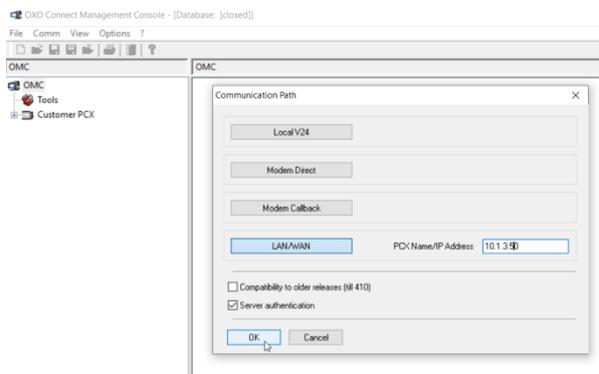
Station List Text in red are required settings.

#	Number	Name	Location
0001	108	8028S	
0002	116	linphone	
0003			
0004			

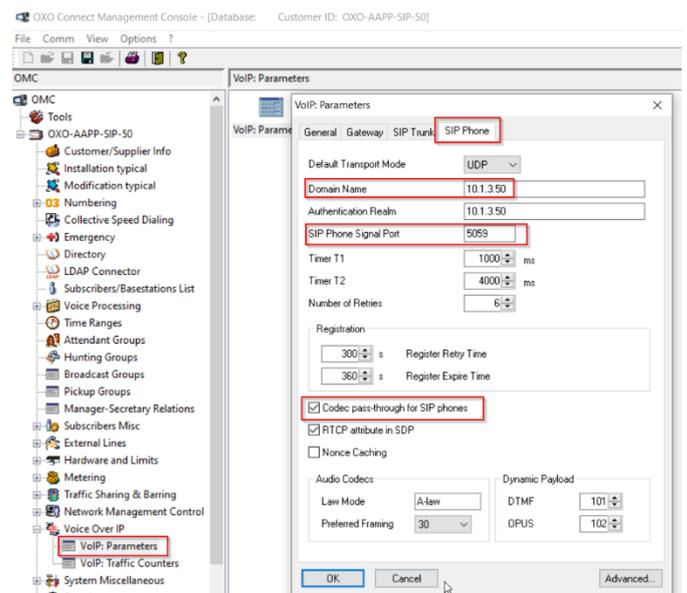
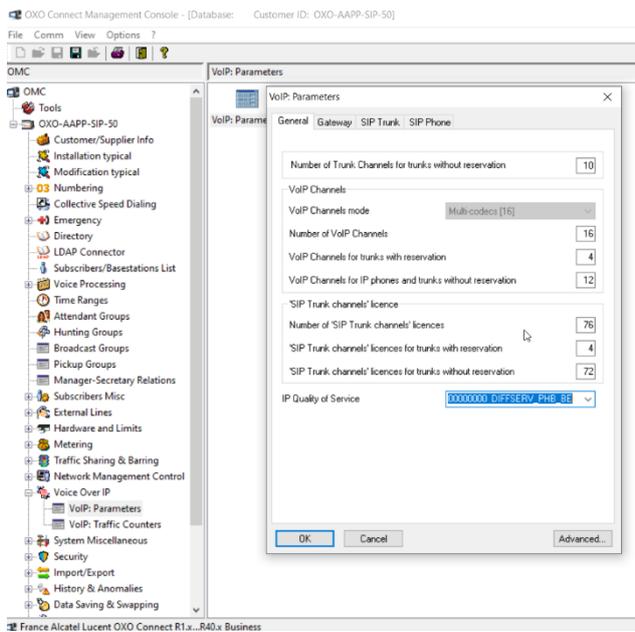
8.1 Management of OXO Connect and OXO Connect Evolution

The management of parameters for OXO Connect and OXO Connect Evolution is done with same tool called OMC (Oxo connect Management Console).

This tool is for MS Windows and will connect to OXO Connect & Evolution using an https connection.

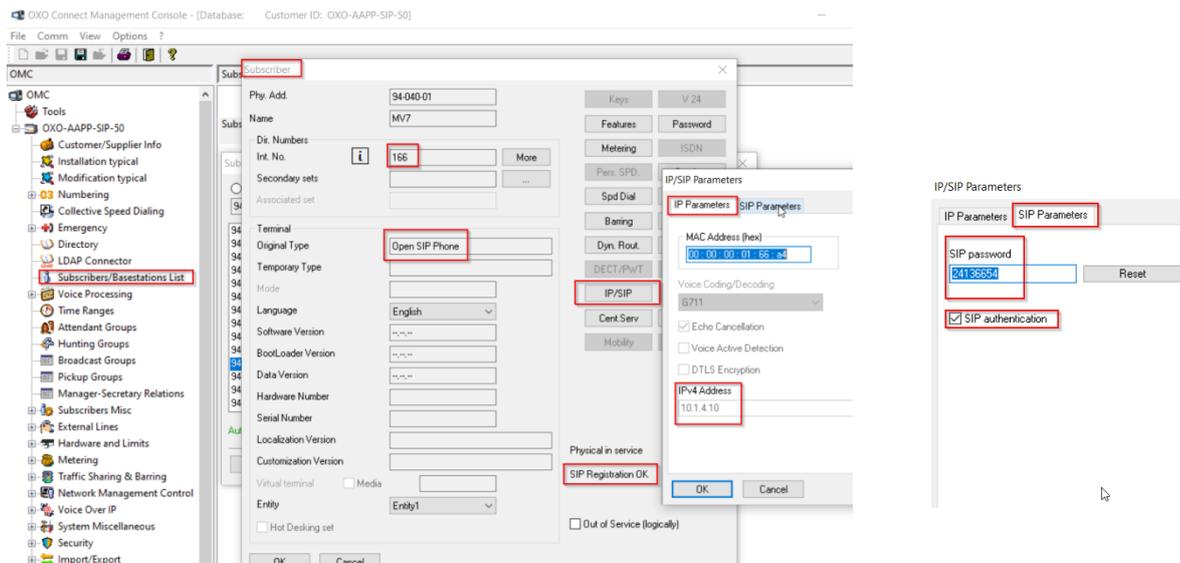
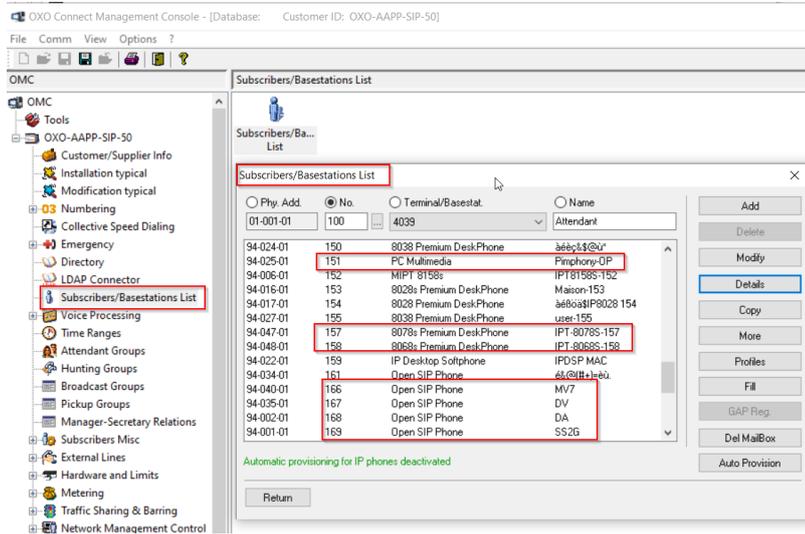


8.2 Voice Over IP parameters

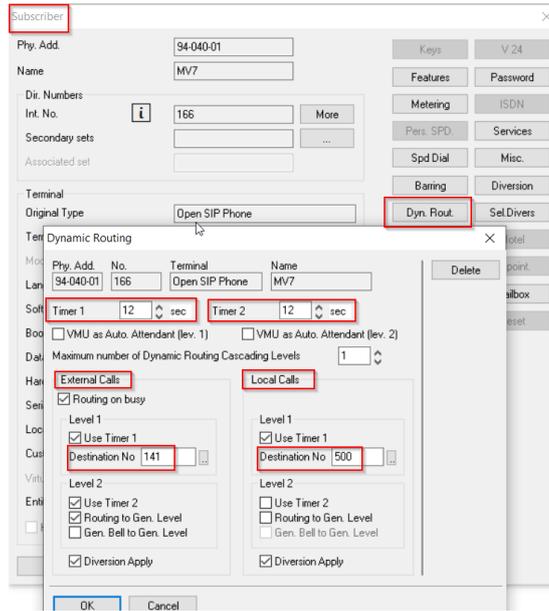


8.3 Subscriber parameters

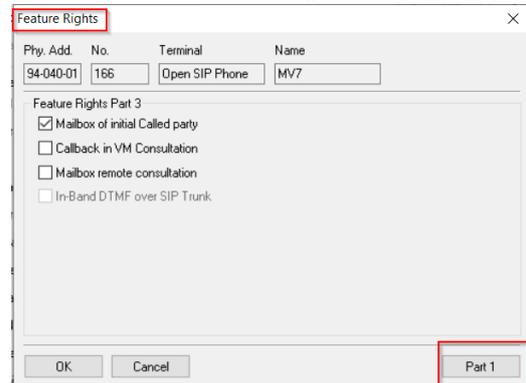
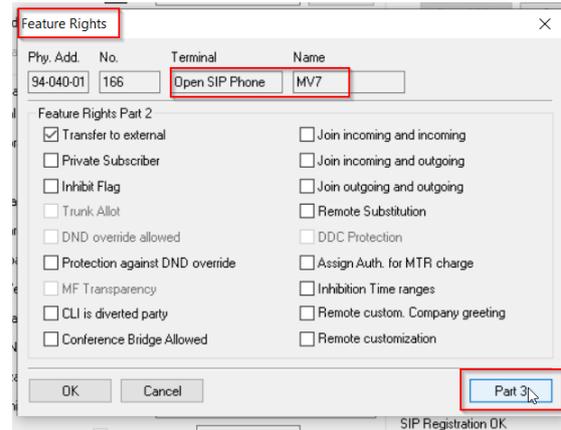
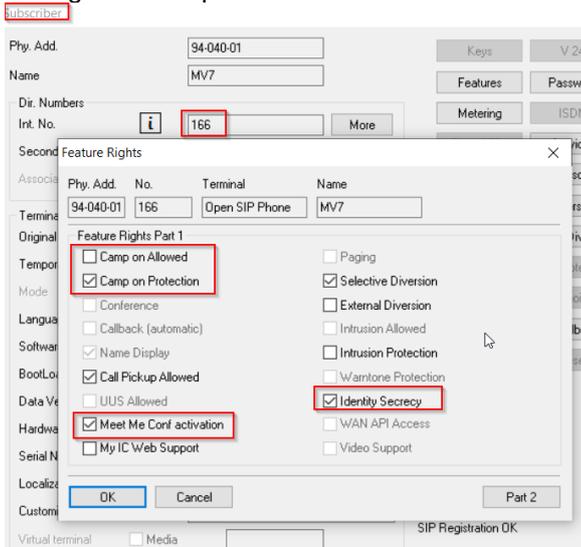
The IX stations are managed as “Open SIP Phone” terminals.



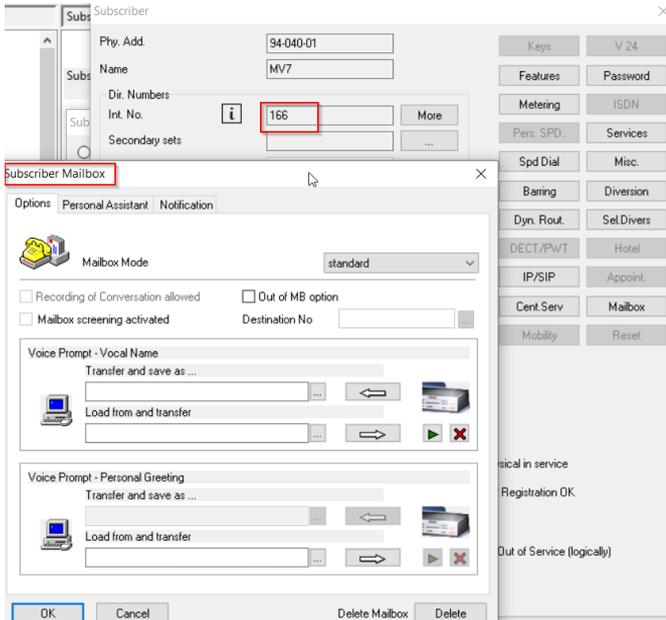
Dynamic Routing is used to define the auto overflow or diversion for external or local calls. The diversion on Busy does work only for external calls.



Configuration of phone features in each user:

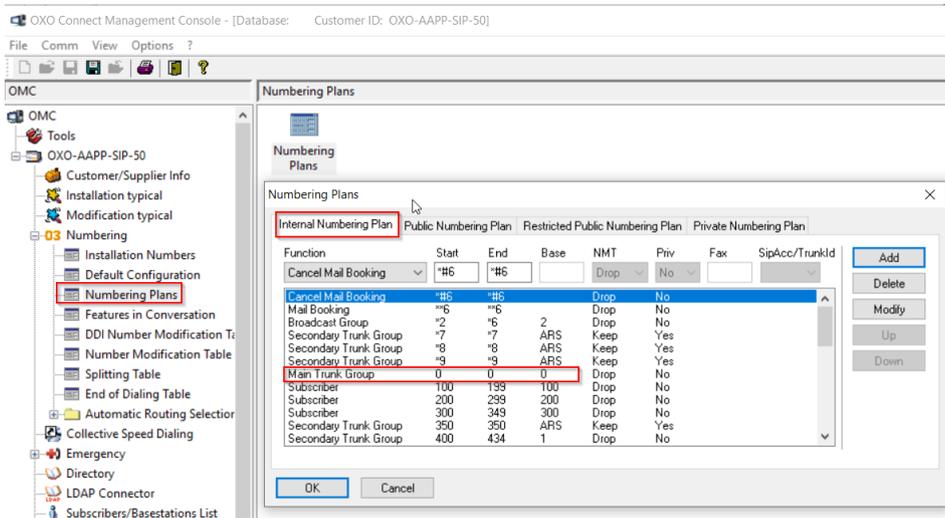


Voice mail Box configuration (automatically created).
User is automatically diverted to 500 voice mail when out of service.



8.4 Prefix & Suffix parameters

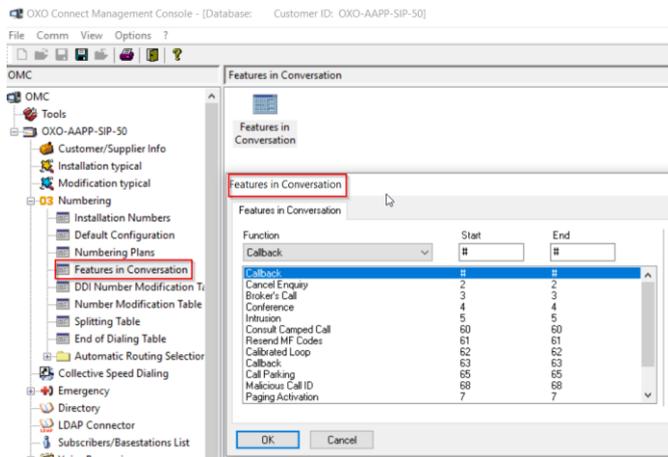
Prefixes are configured in internal numbering plan:



Function	Start	End	Base	NMT	Priv	Fax	SipAcc/TrunkId
Cancel Mail Booking	*#6	*#6		Drop	No		
Secondary Trunk Group	400	434	1	Drop	No		
Hunting Group	500	525	500	Drop	No		
Appointment	60	60		Drop	No		
Pick Up	65	65	3	Drop	No		
Account Code New	66	66	1000	Drop	No		
Mailing	67	67		Drop	No		
ACD Prefix	680	681		Drop	No		
Mailing	687	687		Drop	No		
Programming Mode	70	70		Drop	No		
Pick Up	71	73	0	Drop	No		
Cancel Booking	74	74		Drop	No		
Lock/Unlock	75	75		Drop	No		

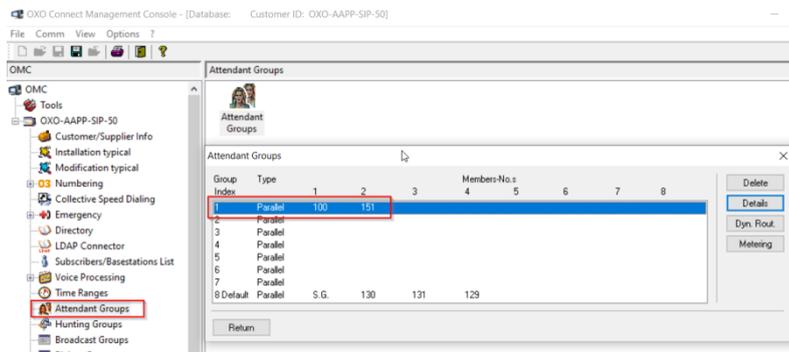
Function	Start	End	Base	NMT	Priv	Fax	SipAcc/TrunkId
Cancel Mail Booking	*#6	*#6		Drop	No		
Join Meet Me	76	76	0	Drop	No		
Activate Meet Me	77	77	0	Drop	No		
Profile Communication	78	78	0	Drop	No		
Call Forwarding	790	799	0	Drop	No		
Collective Speed Dial	8000	8399	0	Drop	No		
Meter Total Recall	84	84		Drop	No		
Call Forwarding	85	85	10	Drop	No		
Set Replace	877	877		Drop	No		
Set Retrieve	878	878		Drop	No		
Room Status	88	88		Drop	No		
Attendant Call	899	899	9	Drop	No		
Attendant Call	9	9	9	Drop	No		

Suffixes for features in conversation:



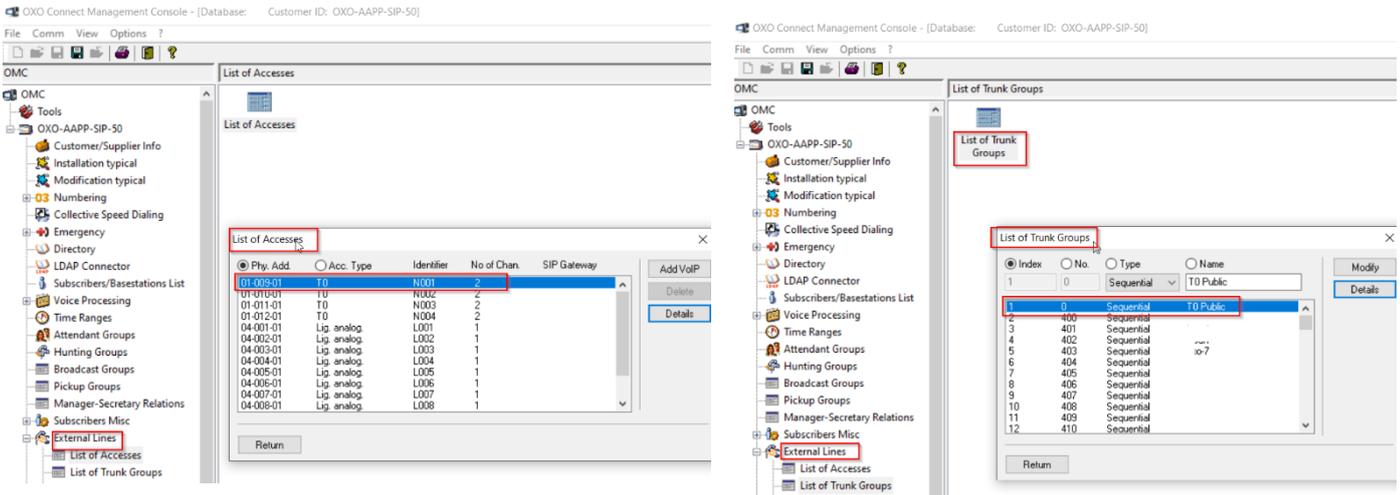
8.5 Attendant parameters

The attendant group 1 has 2 operator phones: 100 is digital 8039 phone connected to UAI bard and 151 is Pimphony windows software configured as Operator. To access the attendant group, dial 9 from OXO phones or dial 899 for IX SIP stations.



8.6 ISDN Trunk Group parameters

For placing external calls, we used a TO BRA access to public operator:



8.7 Software key, licensing parameters

