

Yeastar P-Series VoIP PBX / EasyLynq

INSTALLATION AND CONFIGURATION PROCEDURES

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About this document

The primary audience for the remaining of this document is installation and support personnel.

It is hereafter assumed that the reader is familiar with the EasyLynq product and the Yeastar P-Series VoIP PBX system. Some of the information included in this document may not be accurate or may differ of the one found at a customer's location. For readability reasons, no indication is provided on how to reach the information in the enclosed pictures.

System requirements

The following tables show the minimum specifications of the EasyLynq computer for several configurations. If being used to support other applications, such as EasyLynq IVTS, these specifications may differ.

EasyLyng Enterprise / Server

Extensions	Intel processor	Memory	Storage	Windows type
100	i3 2.2 GHz	4 GB	60 GB	Workstation
500	i5 2.4 GHz	4 GB	100 GB	Workstation
1000	Xeon 2.2 GHz Quad Core	4 GB	160 GB	Server
5000	Dual Xeon 2.8 GHz Quad Core	8 GB	250 GB	Server

EasyLyng Hotel

Rooms	Intel processor	Memory	Storage	Windows type
100	i5 2.4 GHz	4 GB	80 GB	Workstation
300	i7 2.8 GHz	4 GB	120 GB	Workstation
500	Xeon 2.4 GHz Quad Core	4 GB	200 GB	Server
1000	Dual Xeon 2.8 GHz Quad Core	8 GB	250 GB	Server

EasyLynq is compatible with Windows XP SP3 / 2003 Server and more recent. It is certified for Windows 7, 8, 10 and Server 2012, 2016, 2019, 32 and 64 bits.

Conventions

The following special signs are used in this document to point out information that must be carefully read:



Warning: alerts about configuration details that may cause malfunctions or not work as expected.



Notice: indicates additional information as a reference.

The following chapter describes the main steps to set up EasyLynq and P-Series VoIP PBX for billing purposes both for EasyLynq Enterprise/Server and EasyLynq Hotel.

EasyLynq Office/Server integration

Operation overview

The implementation of call accounting requires the installation and configuration of a MySQL ODBC data source in the **PBXAgent** computer.

PBXAgent establishes an ODBC connection to **P-Series VoIP PBX** database, retrieves the call records data and stores them in its own database after processing.

CDRs are extracted from the database using the *uniqueid* field as the query filter.

Call Data Records in MySQL database

The default name for the call records table is *cdr*.

Configuring the CDR database access in P-Series VoIP PBX

Start your favourite browser and login to P-Series VoIP PBX administration page.

Under **Integrations** > **Database Grant**, create an user, assign a password and set the IP address of the PBXAgent computer.

🕻 Yeastar		ē	⑦ ♀ ∨ ⊗ Available ∨ Number or Name #
R Extension and Trunk	~	Integrations / Database Grant	
Contacts	~	D D t best Dest	
Auto Provisioning	~	Database Grant	
tt Call Control	~	* User Name	* Password
Call Features	~	* Port	
BX Settings	~	3306	
☐ System	~		
Security	~	Permitted IP	
× Maintenance	~	IP Address	
包 Integrations	^	* IP Address	* Subnet Mask Operations
CRM		192.168.5.26	255.255.255.255 V
Speech to Text			+ Add
AMI			
Database Grant		Save X Cancel	

ODBC Data Source configuration

The Windows ODBC driver setup for MySQL database can be found at: <u>https://dev.mysql.com/downloads/connector/odbc/3.51.html</u>

Download the appropriate driver: either 32-bit or 64-bit but it should match the version of PBXAgent. Double-click on the downloaded file and follow the instructions in order to install the driver.

Open **Control Panel** and go to **Administrative Tools** > **DataSources (ODBC)**. Select the tab **System DSN**, press the button **Add...**, select the **MySQL ODBC driver** and configure the connection.

The following picture shows a typical configuration. The parameters may vary according to the specific requirements of the installation. Make sure that the **User** and **Password** fields match those entered in P-Series VoIP PBX configuration (see previous chapter).

MySQL Connector/ODBC Data Source Configuration	×
Musque Connector/ODBC	E
Connection Parameters	
Data Source Name: Yeastar P550	
Description:	
TCP/IP Server: 192.168.5.150 Port: 3306	
O Named Pipe:	
User: EasyLyng	
Password:	
Database: cdr V <u>T</u> est	
Details >> OK <u>C</u> ancel <u>H</u> elp	



If you've decided to install the 32-bit versions of both **MySQL** driver and **PBXAgent** on a 64-bit Windows, you must run the ODBC Data Source Administrator located in the folder C:\Windows\SysWOW64 (odbcad32.exe).

PBXAgent configuration

This chapter describes the required steps to configure **PBXAgent** in order to put the interface up and running.

ODBC connection parameters

- 1. Enter to the **PBXAgent** configuration window and go to the Interfaces tab.
- 2. Select an interface for editing. In case the Interface type window appears before you, select ODBC and click <OK>.
- 3. Change the Model, if required, to Yeastar P-Series VoIP PBX.
- 4. Enter the System DSN (or choose from the list), the user ID and password. These parameters must match those entered during the ODBC configuration.

MAR:2		×
ODBC parameters		
System <u>D</u> SN:	Yeastar P550 🗸	
<u>U</u> ser:	EasyLynq	
P <u>a</u> ssword:	•••••	
General parameters		
Send data to file	Use computer date and time	
Model: Yeastar P-Ser	ies VoIP PBX ~ Properties	
	OK Cancel	

Press the **Properties** button.

Property page ODBC

Make sure the table name for billing data is *cdr*. The only permitted access mode is **Process** only calls with 'uniqueid' greater than:

Yeastar P-Series V	/oIP PBX - Proper	ties	×
ODBC	General	Numbering	Fields
Call detail rec	ords table		
Ta	ble: cdr		~
Database rec	ss and <u>d</u> elete		
O Proces	ss only calls termina	ted after:	
	2021-04-04	, 17:59:28	
Proces	ss only calls with 'u	niqueid' greater than:	
		ОК	Cancel

Property page General

Fill in the outward access prefixes table, if required. These prefixes will be stripped out of the dialled numbers on outgoing calls. If **P-Series VoIP PBX** is configured to allow outgoing calls using authorization codes, add those prefixes to the table and define the length of the authorisation code.

Yeastar P-Series \	/oIP PBX - Proper	ties	×
ODBC	General	Numbering	Fields
Outgoing acc	ess codes		
	Add	->	
	<- Rem	ove	
Authorisation	code prefixes		
	Add	->	
	<- Rem	ove	
	Number of	digits: 2	~
		OK	Creaci
		UK	Cancer

Property page Numbering

Fill in the internal numbering plan table:

ODBC General Numbering Field Internal numbering plan Internal numbering plan Internal numbering plan Prefix Supress Length ☑ 1 □ 4 Add Edit Remove	P-Series Vo	olP PBX - Prop	erties	
ntemal numbering plan Prefix Supress Length ☑ 1 4 ☑ Add Edit	DBC	General	Numbering	Fields
Prefix Supress Length ✓ 1	emal numbe	ring plan		
I ☐ 4 Add Edit Remove	Prefix	Supress	Length	
Add Edit Remove	21		4	
Edit Remove				Add
Remove				
Remove				Ealt
				Remove
			OK	Caraal

Enter each and every prefix of the internal extensions, specifying the exact length of the extension and whether you want to remove the prefix.

Extension prefix	×
Prefix: 1	Supress
Length: 4 🗸	⊡ Local
ОК	Cancel



On a multi-PBX scenario, remove the check mark on **Local** for prefixes belonging to extensions in remote equipments in order to prevent duplication of internal call records across the voice network.

Property page Fields

In the **Fields** tab, adjust the column name for each field in the *cdr* table and the attributes table. This operation is for advanced use and usually not required, you should leave the default configuration.

ODBC	General	Numbering	Fields
ssignment -			
Field		Column name	
channel		srctrunk	^
dstchann	el	dstrunk	
√ start		datetime	
duration		duration	
billsec		billable	
🔳 dispositio	n	disposition	
🗖 uniqueid		uniqueid	~
Advanced at	tributes		
Process f	ield 'clid' (extensi	ion's description)	
Use 'acco	ountcode field a	s authorization code	
 Extension	n in field 'userfield	d' (dcontext='external')	
 Extension	n in field 'userfield	d' (dcontext='incomming')	
Process f	ields 'dstchannel	l' and 'channel' as alphar	numeric

Advanced attributes:

- Process field 'clid' (extension's description)
 - Check whenever you want EasyLynq to retrieve the extension's description from the call detail record.
- Use 'accountcode' field as authorization code Check to change the way EasyLynq should process this field.
- Extension in field 'userfield' (dcontext='external') Check whenever the extension number must be retrieved from 'userfield' on outgoing calls. The 'dcontext' field must carry the value 'external' in these cases.
- Process fields 'dstchannel' and 'channel' as alphanumeric Check this attribute in order to reduce the number of channels created by EasyLynq.



It is strongly recommended that you check the attribute **Process fields 'dstchannel' and 'channel' as alphanumeric** in order to prevent EasyLynq from creating a huge number of channels in its database.

Validate the configuration. In the **Interfaces** tab of the main window, select the **P-Series VoIP PBX** interface and press **Monitoring**. Check for the proper configuration of the database connection and watch the call records flowing.

EasyLynq Hotel integration

Operation overview

The **AMI Hospitality Service** is available starting on **P-Series VoIP PBX** version 30.3.0.35 and hosted on all subsequent platforms.

P-Series VoIP PBX AMI interface implements the following basic services:

- Check-in, with the assignment of the guest's name and language to the room phone sets and permission for outward access.
- Check-out, with restriction for establishing outgoing calls to PSTN.
- Do Not Disturb service.
- Message Waiting Indicator, to signal new voice mail messages and written messages at the hotel reception.

EasyLynq SIP Messaging interface extends the hospitality service to a higher level, adding the following features:

- Full wake-up service (set / cancel / change / answer control), in nine languages.
- Room-status.
- Minibar/Laundry posting.

EasyLynq IVTS Hotel can replace **SIP Messaging** and adds advanced functionality such as voice mail in 9 languages for guests and staff, Text-To-Speech and much more.



For the sake of simplicity, only the configuration for **SIP Messaging** is explained in this chapter. The same steps also apply to **IVTS**.

P-Series VoIP PBX configuration

Start your favourite browser and login to **P-Series VoIP PBX** administration page.

Enable AMI connectivity

Navigate to Integrations > AMI. Enable AMI and define an user and password.

💏 Yeastar	≡		⑦ ∨ S Avai	ilable V Number or	Name 🏢 📢	8 ~
Se Extension and Trunk	Integrations /	AMI				
E Contacts	~					
Auto Provisioning	· -•	AMI				
țț‡ Call Control	× User	name		* Password		A
Call Features	* Port	n wr 2				·
PBX Settings	✓ 5038					
System	~					
Security	~ Perm	itted IP				
× Maintenance	- IP Add	ress				
Integrations	*	P Address	* Subnet Ma	ask	Operations	
CRM		92.168.5.26	255.255.2	55.255	団	
Speech to Text			+ Ad	ld		
AMI						
Database Grant	G Save	× Cancel				
🛱 Web Client						



For security reasons, assign the IP address of the **PBXAgent** computer as the only permitted client.

SIP trunk configuration for SIP Messaging and IVTS

🕂 Yeastar		Ē	Apply (?) 🖵 v 🖉 Available v Number or Name III 🕓 🔗 v
R Extension and Trunk	^	Extension and Trunk / Trunk	
Extension		⊕ Add	Search Q
Extension Group			
Trunk		Status Name - Type -	Hostname/Port C Username C Outbound Caller ID C Operations
E Contacts	~		
Auto Provisioning	~		G Iotal.1 < 1 > 207 page~
\$1↓ Call Control	~		
😋 Call Features	~		
PBX Settings	~		
System	~		
Security	~		
✗ Maintenance	~		
뎹 Integrations	~		
Reports and Recordings	~		
೫ Plan			
🛱 Web Client			

Navigate to **Extension and Trunk > Trunk**.

Press the button **Add**.

In the tab **Basic**, enter the IP address of the **PBXAgent** computer in the **Hostname/IP** field. Adjust the other parameters according to the picture below.

🕂 Yeastar	Apply ⑦ 🖵 V 🖉 Available V Number or Name 🕸 📞 🔗 V
Se Extension and Trunk	Extension and Trunk / Trunk / Edit (EasyLynqSP)
Extension	Basic Advanced DIDs/DDIs Inbound Caller ID Reformatting Outbound Caller ID SIP Headers
Extension Group	
Trunk	Basic
E Contacts v	* Name * Trunk Status
Auto Provisioning ~	EasyLyngSP Enabled V
↓†↓ Call Control ~	General V
Call Features V	
PBX Settings ~	Detailed Configuration
System v	* Trunk Type
Security ~	Peer Trunk V
✗ Maintenance ∨	UDP V
뎹 Integrations ~	Hostname/IP Port Domain
Reports and Recordings	192.168.5.26 5060 192.168.5.26
₩ Plan	
🛱 Web Client	

Select the tab **Advanced**.

In section **Codec Settings**, make sure the codecs G711 **a-Law** and **u-Law** are selected.

;; Yeastar		ē	Apply ⑦	🖵 🗸 🔗 Available 🗸 🛛 Number	r or Name III 🔍 🙁 🖉 🗸
R Extension and Trunk	^	Extension and Trunk / Trunk / Edit (Easy	LynqSP)		
Extension		Basic Advanced DIDs/DDI	s Inbound Caller	D Reformatting Outbound	Caller ID SIP Headers
Extension Group					^
Trunk		Codec Settings			
Contacts	×	12 items	Available	2 items	Selected
Auto Provisioning	×	Search here	Q	Search here	٩
tt Call Control	×	Codec		Codec	\overline{T}
Call Features	~	GSM	^	a-law	^
PBX Settings	~	H264		u-law	• ~
System	×	H263			\pm
Security	~	ilbC			
imes Maintenance	~	G722			
回 Integrations	~	0.200	Ý		
Reports and Recording	s ¥	VoIP Settings			
96 Plan		* DTMF Mode			
🛱 Web Client		A cancer			

Scroll down to section **VoIP Settings**. The value of **Maximum Concurrent Calls** must be set to the number of allowed simultaneous conversations as defined in the EasyLynq license.

🕂 Yeastar		Apply ③ ♀ ∨ ⊗ Available ∨ Number or Name ₩	8 ~
R Extension and Trunk	^	Extension and Trunk / Trunk / Edit (EasyLynqSP)	
Extension		Basic Advanced DIDs/DDIs Inbound Caller ID Reformatting Outbound Caller ID SIP Hea	aders
Extension Group			^
Trunk			
E Contacts	~	VoIP Settings	
Auto Provisioning	×	* DTMF Mode	
↓†↓ Call Control	~		
Call Features	~		
BX Settings	~		
System	~		
Security	~		
✗ Maintenance	~	Call Restriction	
图 Integrations	~	Call Restriction Type Maximum Concurrent Calls	
Reports and Recordings	~	Outbound Call V 10 V	
₩ Plan			~
다 Web Client		Save × Cancel	

Press the **Save** button, followed by **Apply**.

🕂 Yeastar	Apply () 🖓 v 🖉 Available v Number or Name 🕸 😢 🔗 v
R Extension and Trunk ∽	Call Control / Outbound Route
E Contacts ~	Add
Auto Provisioning ~	
tt Call Control	
Inbound Route	□ Default X. 1111 ▼ ∧ ∨ ½ ∠ ๒ □ 1057-1057
Outbound Route Business Hours and Holidays	Routeout X. PSTN ▼ × ½ 2 10 1004-Andr 1004-Andr
Emergency Number	٢
😋 Call Features 🗸 🗸	O Total :2 < 1 > 20 / page ∨
PBX Settings ~	
☐ System ~	
Security ~	
✗ Maintenance ∽	
唱 Integrations ~	
Reports and Recordings	
98 Plan	
🛱 Web Client	

Navigate to Call Control > Outbound Route.

Press the button **Add**.

Create an outbound route as shown in the pictures below.

Add an	appropriate	Dial	Pattern.
--------	-------------	------	----------

;; Yeastar	Apply (?) $\Box \sim \otimes$ Available \sim Number or Name \blacksquare \bigcirc \land
R Extension and Trunk ∽	Call Control / Outbound Route / Add
Contacts v	^
Auto Provisioning ~	General
tt Call Control	* Name Outbound Caller ID
Inbound Route	EasyLynq
Outbound Route	Dial Pattern
Business Hours and Holidays	Dial Matching Settings
Emergency Number	* Pattern Strip Prepend Operations
Call Features V	8. 1
PBX Settings V	+ Add
System v	
Security ~	Trunk
X Maintenance V	6 items Available 1 item Selected
唱 Integrations ~	Search here Q
Reports and Recordings	Name Trunk Type
98 Plan	□ Save × Cancel
C. Web Client	

Scroll down to section **Trunk**. Make sure the previously created trunk is added to the group **Selected**.

🕂 Yeastar	Apply ⑦ ♀ ∨ Ø Available ∨ Number or Name ₩
R Extension and Trunk ✓	Call Control / Outbound Route / Add
E Contacts ~	Trunk
Auto Provisioning ~	1 item Available 1 item Selected
tt Call Control	Search here Q Search here Q
Inbound Route	
Outbound Route	PSTN Peer Trunk A Easyl yngSP Peer Trunk
Business Hours and Holidays	
Emergency Number	
😋 Call Features 🗸 🗸	*
PBX Settings Y	~ ·
☐ System ×	
Security ~	Outbound Route Password
★ Maintenance ✓	Disable
唱 Integrations v	Rrmemory Hunt
Reports and Recordings	
96 Plan	□ Save × Cancel
🗇 Web Client	

Scroll down to section **Extension / Extension Group**. Add all room extensions to group **Selected**.

🕂 Yeastar	Apply ⑦ □ ∨ ⊗ Available ∨ Number or Name Ⅲ €
Re Extension and Trunk * ID: Contacts * ID: Auto Provisioning * III: Call Control *	Call Control / Outbound Route / Add Extension / Extension Group 33 items Available 90 items Selected
Inbound Route Outbound Route Business Hours and Holidays Emergency Number ℃ Call Features PBX Settings ↓ System ↓ Security	Search here Q Number Name Latension Group Latension FreeCom Extension Group Europe team Xtension Group IP PBX Support Extension Group Kona Computer Extension Group Diversified Teleco Extension Group Joseph-test 1004 Andre Silva 1005 Ann 1006 Col Filter
X Maintenance ✓ Image: Second secon	Time Condition * Available Time Always Save X Cancel

Press the **Save** button, followed by **Apply**.

PBXAgent configuration for P-Series VoIP PBX Hotel interface

When running in Hotel mode, PBXAgent provides two additional property pages.

Property page Hotel - General

Enter the IP address of **P-Series VoIP PBX**, do not change the default port 5038. The **User** and **Password** fields must match those of the AMI settings (see chapter <u>Enable AMI</u> <u>connectivity</u>). Press the button **Connect** when done in order to acquire the outbound routes.

ann benes w	oIP PBX - Propert	ies		
ODBC	General	Numbering		Fields
Hotel - (General	Hotel	- Lang	uages
IP address:	192.168.5.150		:	5038
User:	8V9nFM7Z	Password:	•••	••••
A re ro	successful connect quired in order to a outes. Connect	tion to the device cquire the outbo	ce is bund	



The connection must be established in order to define the outbound routes that shall be assigned on a guest check-in and removed on check-out.



P-Series may report a special route named **Default_Outbound_Route**. This is a system route and cannot be unassigned.

After a successful connection, the aspect of the property page is changed. Check the appropriate outbound routes for PSTN and mobile gateways in the **Check In** group.

ar P-Series \	/oIP PBX - Proper	ties	
ODBC	General	Numbering	Fields
Hotel -	General	Hotel - Lan	guages
IP address:	192.168.5.150	:	5038
User:	8V9nFM7Z	Password:	••••
Outbound rou	ites		
Place a che	ck mark on every ro	ute you want to assig	n:
Check Out		Check In	
Default_ EasyLyn Routeou	Outbound_Route q t	☑ Default_Outbo ☑ EasyLynq ☑ Routeout	ound_Route
		ОК	Cano

Make sure to enable access to the SIP trunk for SIP Messaging or IVTS both in the **Check Out** and **Check in** groups otherwise the housekeeping staff will not be able to change room-status or post minibar/laundry articles. Unchecking **Default_Outbound_Route** has no effect.

Property page Hotel - Languages

Assign each EasyLynq language to the corresponding **ILang** code.

Yeastar P-Series \	/oIP PBX - Proper	ties		×
ODBC	General	Numbering	Fields	
Hotel -	Hotel - General		Hotel - Languages	
Language co	odes assignment —			
Lan	guage	ILang	^	
Dut	ch	NL		
Eng	glish	UK		
Fre	nch	FR		
Ger	man	DE		
Por	tuguese	PT		
Sna	anish	FS	*	
A	dd language code t	o guest name		
		ОК	Cancel	

PBXAgent configuration for P-Series VoIP PBX SIP route

This chapter describes the steps to configure the **EasyLynq SIP Messaging** interface on **PBXAgent**. The same steps also apply to IVTS Hotel.

SIP connection parameters

- 1. Enter to the **PBXAgent** configuration window and go to the Interfaces tab.
- 2. Select an interface for editing. In case the Interface type window appears before you, select TCP/IP and click <OK>.
- 3. Change the Model, if required, to **EasyLynq SIP Messaging**.
- 4. Enter an optional description of the interface, the IP address and the SIP port number of the **P-Series VoIP PBX**.

MAR:3			×
Function	IP parameters		
Background	Description:	SIP Messaging interface	
	IP Address:	192.168.5.150 : 5060	
	<u>U</u> ser:		
	P <u>a</u> ssword:		
General parameters			
Send data to file	2	Use computer date and time	
Model: EasyLyng	SIP Messaging	✓ Properties	
		OK Cancel	

Press the button **Properties** in order to enter in the advanced configuration of this interface.

Property page SIP Trunk

Select the appropriate interface (if more than 1 NIC is installed on the computer) and adjust the number of allowed simultaneous calls to the maximum value permitted by the EasyLynq license. You may also want to modify the **User** and **Display** fields.

Number transformation	Access codes	Data Entry	Wake-up
SIP Trunk Au	thentication/Registra	tion SIP	Parameters
Definitions			
Interface:	192.168.5.26	~ : 5060	
Protocol:	UDP \checkmark		
User:	787	Display: Auto	
Simultaneous calls:	10 💂		
Backup proxy			
IP address:			
		OK	Carr

Property page Authentication/Registration

This property page requires extra licensing and may not be available. Please contact us if you think it may be necessary for a specific installation of **P-Series**.

If you leave the fields Name and Password empty, authentication will not be used.

syLynq SIP Messag	ging - Prop	erties			>
Number transforma	tion A	ccess codes	Data En	try	Wake-up
SIP Trunk	Authenti	ication/Registrat	ion	SIP Pa	arameters
Authentication					
	Name:				
Pas	sword:]	
				_	
Use registrati	on				
Regi	ster expiratio	on: 120 🛓	seconds		
			OK		Cancel

Property page SIP Parameters

In general, you don't need to change the default parameters of this page.

syLynq SIP Messa	ging - P	roperties					×
Number transform SIP Trunk	ation Auth	Access cod nentication/Re	es gistratio	Data on	Entry SIP I	Wake-up Parameters	
DTMF meth	lay name ications	e as caller ID	Pay 5	yload Typ	pe: 101	~	
Codecs Codec G.711 A-Lav G.711 u-Lav	w N	Frame (ms) 30 30	ţ	F	TP ports From: 4 to: 4	0000 🗭 1000 🝷	
				0	К	Cancel	

Property page Number transformation

CID Tausk	Authorition (Posistuation		CID	Parameters
Number transforma	tion Access codes	Data	a Entry	Wake-up
DDI	Extension		ļ	Add
			Re	move

In general, you don't need to add any rules for number transformation.

Property page Access codes

Enter the digits to access the various services. For a better understanding of the meaning of these digits, please refer to chapters <u>Examples of room-status and minibar posting</u> and <u>Wake-up programming at the phone set</u>.

asyLynq SIP Messa	iging - Prop	perties				×
SIP Trunk	Authent	tication/Registra	tion	SIP	Parameters	
Number transform	ation	Access codes	Data	a Entry	Wake-up	
- Service access	codes Room Wake-up p Minibar Laundry	n-status: 1 rogram: 2 posting: 3 posting: 4				
				ЭК	Cancel	

Property page Data Entry

Adjust these parameters accordingly.

SIP Trunk	Authenticati	on/Registrat	tion	SIP F	arameters
Number transforma	tion Acce	ss codes	Data	Entry	Wake-up
Room-status cod	es				
Maximum r	number of digits	$1 \sim$			
Maid identifica	tion				
Code	:	A	dd ->	1234	
Digit cour	+ A	- T			
Digit Court	4 *	<- H	emove		
Language					
_				~	
De	etault language:	English			
De	efault language:	English			



It is highly recommended to use maid identification in order to prevent the housekeeping services to be accidentally accessed by the guest.



The assignment of a maid ID to each attendant may also help the hotel management to control room access and the time spent making the room.



If the number of digits for every room-status code is the same, you may choose to set the value **Maximum number of digits**. This will slightly ease the input by the housekeeping staff since it is no longer required to dial the validation digit (see chapter <u>Examples of room-status and minibar posting</u>).

Property page Wake-up

Adjust the wake-up timings accordingly and assign the EasyLynq languages to the supported voice messages.

SIP Trunk	Authen	tication/Registration	on	SIP F	arameters
Number transfom	nation	Data Er	ntry	Wake-up	
Timers (in secor	nds)				
	Maximum at	tempt duration:	40	-	
	Gap between retries: 60				
- I -					
La	anguage	ILang			
La	nguage nglish	UK			
La Er Fr	anguage nglish rench erman	UK FR DE			
La Er Fr Gi Sp	anguage nglish ench erman panish	ILang UK FR DE ES			
La Er Gi Sp	anguage nglish rench erman panish	ILang UK FR DE ES			

Timers (in seconds)

- *Maximum attempt duration*: time interval the phone is rung before giving up.
- **Gap between attempts**: time interval before trying again.



The number of attempts is configured in the complex properties at the EasyLynq administration console.

Language codes assignment: this table sets the correlation between the EasyLynq languages and the installed voice languages.



The EasyLynq languages (System Administration) and the SIP Messaging interface (Interfaces Configuration) must have been previously configured at the EasyLynq administration console otherwise this table displays empty.

Examples of room-status and minibar posting

The following examples assume the digit **1** as the access code for the EasyLynq SIP trunk.

Operation	Digits	Comment / voice message
Maid lifts the handset	61	
Maid dials SIP trunk access code plus "Room-status" service code	8 1 SEND	"Room-status. Access code."
Maid dials an invalid ID	4444	"Code rejected. Access code."
Maid dials ID again	1234	"Code accepted."
Maid dials room-status code	5	
Maid dials validation digit *	Ħ	"Code accepted."
Maid hangs up	Ţ	Room changes to status PBX code 5

Room-status input, according to the previous snap-shots:

* may not be required, see chapter Property page Data Entry.

Example of minibar posting:

Operation	Digits	Comment / voice message
Maid lifts the handset	G 1	
Maid dials SIP trunk access code plus "Minibar" service code	8 3 SEND	"Minibar. Access code."
Maid dials a valid ID	1234	"Code accepted."
Maid dials article code	541	Code for article #1
Maid dials intermediate digit	*	"Code accepted."
Maid dials article code	274	No such article
Maid dials intermediate digit	*	"Code rejected."
Maid dials article code	275	Code for article #2
Maid dials termination digit	#	"Code accepted."
Maid hangs up	Ţ	2 articles are charged to the room

Wake-up programming at the phone set

This chapter presents several voice messages and exemplify how to mark, modify and cancel an automatic wake-up service using the interactive voice response system of EasyLynq.

Wake-up times must be entered in 24 hour format and refer to a time in the next 24 hour period. The following examples assume the digit **8** as the access code for the EasyLynq SIP trunk.

a) <u>Wake-up mark (no wake-up is set)</u>

Guest lifts the handset	f î	
Guest dials SIP trunk access code plus "Wake-up" code	8 2 SEND	"Welcome to the automatic awakening call service. Please enter the time for the awakening call in 24 hour clock notation."
Guest dials	0715	"Your awakening call has now been set."
Guest hangs up	Ţ	

b) Wake-up modification

Guest lifts the handset	G	
Guest dials SIP trunk access code plus "Wake-up" code	8 2 SEND	"Welcome to the automatic awakening call service. You have a service for awakening set for 7 hours and 15 minutes. Press 1 to modify this call or press 3 to delete it."
Guest dials	1	"Please enter the time for the awakening call in 24 hour clock notation."
Guest dials	0730	"Your awakening call has now been set."
Guest hangs up	Ţ	

c) <u>Wake-up cancellation</u>

Guest lifts the handset	f î	
Guest dials SIP trunk access code plus "Wake-up" code	8 2 SEND	"Welcome to the automatic awakening call service. You have a service for awakening set for 7 hours and 30 minutes. Press 1 to modify this call or press 3 to delete it."
Guest dials	3	"Your awakening call has been deleted."
Guest hangs up	Ţ	

d) Wake-up answer

Room phone rings	ллл	
Guest lifts the handset		"This is an awakening call. Please hang up."
Guest hangs up	Ţ	