



ICE-008 IP PBX Training Overview

- This Quick Start Training will quickly take you through the necessary steps to set up your Ovislink ICE-008. For advanced configuration instructions please consult the IP PBX user manual.
- Note: For the user manual please download from our website <http://www.ovislink.com>





**Before you get started make sure you have the
Following equipment:**

- 1-ICE-008 IP PBX with 5 Volt Power Supply
- 1- Ethernet Switch/Hub
- Compatible PC to access web GUI (Windows Recommended)
- Ready access to power and a UPS or surge protector



Network Requirement

- It is recommended a permanent Internet connection, such as that from a Leased Line, DSL, or Cable Modem, and assign a static IP address to ICE008.

- Make sure to open the following TCP and UDP ports:
 - TCP/UDP ports 5060-5082 for SIP protocol.
 - TCP/UDP ports 8000-20000 for RTP audio transport.

- A standard SMTP e-mail server with a valid e-mail account is required In order for the e-mail notification of voice mail messages.



Installing ICE008

- Connect your computer with ICE008 using a standard Ethernet (UTP CAT-5e) cable between your computer and the **LAN** jack on the ICE008 back panel.



- Connect your power adaptor to the **DC 5V** jack on the back panel of ICE008. You should see the **Pwr** indicator at the front panel turned green immediately.





Installing ICE008

- Open the browser on your computer to <http://192.168.0.1>
Login with
Username: admin
Password: admin

- Click **WAN Config** under the **System** menu, Select the **WAN Port Mode** appropriate for your ICE008. Enter the **Primary DNS, Secondary DNS, IP address, Subnet Mask, Default Gateway**, etc., according to your network environment.

Installing ICE008

- System**
 - Information
 - WAN Config**
 - LAN Config
 - Time Zone
 - SMTP Setting
 - Firewall Setting
 - Firmware Upgrade
 - Change Password
 - Logout
-
- System**
 - Information
 - WAN Config**
 - LAN Config
 - Time Zone
 - SMTP Setting
 - Firewall Setting
 - Firmware Upgrade
 - Change Password
 - Logout
 - Reboot
 - Call Report
 - Backup/Restore
 - IP-PBX**

WAN Configuration

WAN Port Mode: Fixed IP DHCP PPPoE

Primary DNS: . . .

Secondary DNS: . . .

WAN Config example: DHCP setup

WAN Configuration

WAN Port Mode: Fixed IP DHCP PPPoE

IP Address: . . .

Subnet Mask: ▼

Default Gateway: . . .

Primary DNS: . . .

Secondary DNS: . . .

WAN Config example: Fixed IP setup



Setting Up IP PBX

- Setting Up Extensions
- Setting Up Ring Groups
- Setting Up IVR
- System Recordings
- General Setting



Setting Up Extensions

Extensions									
<input type="checkbox"/>	Extension	Password	Online/Offline	Voice Mail	Phone Brand	Mac Address	Type	Adhoc Password	Action
<input type="checkbox"/>	81	1234	Offline		None		Fixed		Edit
<input type="checkbox"/>	91	1234	Offline		None		Fixed		Edit
<input type="checkbox"/>	101	1234	Online		None		Fixed		Edit
<input type="checkbox"/>	102	1234	Online		None		Fixed		Edit
<input type="checkbox"/>	103	1234	Online		None		Fixed		Edit

[Add](#) [Delete](#)

Click the **Extension** tab under the **IP PBX** menu.



Setting Up Extensions

Attribute	Value
Extension	<input type="text"/>
Password	<input type="text"/>
Voicemail Box	<input type="text"/>
Video Codec	None <input type="button" value="v"/>
Phone Brand	None <input type="button" value="v"/> (For Auto Configuration)
MAC Address	<input type="text"/> (For Auto Configuration)
Type	Fixed <input type="button" value="v"/>
Adhoc Password	<input type="text"/>
<input type="button" value="Apply"/> <input type="button" value="Cancel"/>	

Click the **Add** button if you want to create a new extension, or checkbox the extension you want to edit then click the **Edit** button.



Setting Up Ring Groups

Ring Groups		
<input type="checkbox"/>	Name	Action
<input type="checkbox"/>	sales	<input type="button" value="Edit"/>

Click the **Ring Groups** tab under the **IP PBX** menu .

Attribute	Value
Name	sales
Extension 1	101 <input type="button" value="v"/>
Extension 2	102 <input type="button" value="v"/>
Extension	<input type="button" value="v"/>

Click the **Add** button to create a new group, the **Edit** button to edit a group, or checkbox the group then click the **Delete** button to delete it.



Setting Up IVR

IVR						
<input type="checkbox"/>	Name	Digit	Type	Value	Description	Action
<input type="checkbox"/>	Customer Service	2	Extension	102		<input type="button" value="Edit"/>
<input type="checkbox"/>	Operator	0	Extension	101		<input type="button" value="Edit"/>
<input type="checkbox"/>	Sales	1	Extension	103		<input type="button" value="Edit"/>

Click **IVR** tab under the **IP PBX** menu



Setting Up IVR

Edit IVR

Attribute	Value
Name	Customer Service
Digit	2
Destination	<input checked="" type="radio"/> Extension 102
	<input type="radio"/> Ring Group sales
Description	Also for tech support
<input type="button" value="Apply"/> <input type="button" value="Cancel"/>	

Click the **Add** button if you want to create a new IVR, or checkbox the IVR then click the **Delete** button if you want to delete it.



System Recording

Click the **System Recordings** button under **IP PBX** menu,

System Recordings

IVR-1 Business Hour Greeting :	*01
IVR-2 Business Hour Greeting :	*02
IVR-3 Business Hour Greeting :	*03
IVR-1 Lunch Time Greeting :	*04
IVR-2 Lunch Time Greeting :	*05
IVR-3 Lunch Time Greeting :	*06
IVR-1 Non-Business Hour Greeting :	*07
IVR-2 Non-Business Hour Greeting :	*08
IVR-3 Non-Business Hour Greeting :	*09
No Answer Greeting :	*20
Busy Greeting :	*21
Offline Greeting :	*22
Recording Password is :	8512

If you want to change the Recording Password, enter and confirm 4-digit new password below

New Password :

Confirm New Password :

Submit

If you want to restore all recordings to factory default, please press the button below

Restore



System Recording

- Record a System Greeting

Pick up the phone set from any registered extension and dial the code for the greeting you want to record. Enter the default password as listed under **Recording Password** in this page, then follow the instruction to finish and save the recording.

- Change the Recording Password

Enter the new password in the **New Password** field, then retype it in the **Confirm New Password** field to confirm it.

- Restore to System Default Greetings

Click the **Restore** button and all systems greetings will be restored back to factory default.



General Setting

Click the **General Setting** button under the **IP PBX** menu,

General Setting

Call Limitation: Minutes (Call limitation per day)

Submit

SIP Listen Address: (Make sure the WAN connection works if you choose the All option.)

Business Hours: To

Lunch Break Hours: To

Apply

✓ Call Limitation

✓ SIP Listen Address

✓ Business Hours

✓ Lunch Break Hours



Connecting To Outside

- Setting Up SIP Trunks
- Setting Up Inbound Routs
- Setting Up Outbound Routs
- Setting Up PSTN Trunks



Setting Up SIP Trunks

Click **Trunks** under the **Inbound/Outbound** menu

Trunks							
<input type="checkbox"/>	Name	Need Registration	IP Address	Account	Password	Description	Action
<input type="checkbox"/>	ABC	Yes	abc.com	9495551234	1234	ITSP in Irvine	Edit
<input type="checkbox"/>	XYZ	No	sip.xyz.com			ITSP in New Jersey	Edit

[Add](#) [Delete](#)



Setting Up SIP Trunks

Edit Trunk

Attribute	Value
Name	ABC
IP Address	<input type="text" value="abc.com"/>
Need Registration	<input checked="" type="checkbox"/>
Account	<input type="text" value="9495551234"/>
Password	<input type="text" value="1234"/>
Description	<input type="text" value="ITSP in Irvine"/>

Click the **Add** button if you want to create a new trunk, or checkbox the trunk you want to edit then click the **Edit** button.



Setting Up Inbound Routes

click **Inbound** under the **Inbound/Outbound** menu, and a screen similar to the following should appear:

Inbound Route						
<input type="checkbox"/>	Name	Inbound Number	Type	Value	Description	Action
<input type="checkbox"/>	HT488 FXO	81	IVR	IVR-1	Grandstream FXO port	<input type="button" value="Edit"/>
<input type="checkbox"/>	9495551234	9495551234	IVR	IVR-1	Inbound to main number	<input type="button" value="Edit"/>



Setting Up Inbound Routes

Edit Inbound Route

Attribute	Value
Name	9495551234
Inbound Number	<input type="text" value="9495551234"/>
Destination	<input checked="" type="radio"/> IVR <input type="text" value="IVR-1"/>
	<input type="radio"/> Extension <input type="text" value="81"/>
	<input type="radio"/> Ring Group <input type="text" value="sales"/>
Description	<input type="text" value="Inbound to main number"/>
<input type="button" value="Apply"/> <input type="button" value="Cancel"/>	

Click the **Add** button if you want to create a new inbound route, or checkbox the inbound route you want to edit then click the **Edit** button.



Setting Up Outbound Routes

Click **Outbound** under the **Inbound/Outbound** menu

Outbound Route						
<input type="checkbox"/>	Trunk Name	Prefix	Strip No	Add Prefix	Is GrandStream ATA	Action
<input type="checkbox"/>	91	8	1		Yes	<input type="button" value="Edit"/>
<input type="checkbox"/>	Main	9	1		No	<input type="button" value="Edit"/>

Click the **Add** button if you want to create a new outbound route, or checkbox the outbound route you want to edit then click the **Edit** button.

Add Outbound Route	
Attribute	Value
Trunk Name	Main <input type="button" value="v"/>
Grandstream ATA	<input type="checkbox"/>
Prefix	<input type="text" value="9"/>
Strip No	<input type="text" value="1"/> (Number of Leading Digits to Ignore)
Add Prefix	<input type="text"/>



Setting Up PSTN Trunks

- Set Up an Extension for a PSTN Gateway Device

Edit Extension

Attribute	Value
Extension	91
Password	<input type="text" value="1234"/>
Voicemail Box	<input type="text"/>
Video Codec	None <input type="button" value="v"/>
Phone Brand	None <input type="button" value="v"/> (For Auto Configuration)
MAC Address	<input type="text" value=""/> (For Auto Configuration)
Type	Fixed <input type="button" value="v"/>
Adhoc Password	<input type="text"/>



Setting Up PSTN Trunks

- Set Up an Inbound Route with a PSTN Trunk

Edit Inbound Route

Attribute	Value
Name	HT488 FXO
Inbound Number	<input type="text" value="91"/>
	<input checked="" type="radio"/> IVR <input type="text" value="IVR-1"/>
Destination	<input type="radio"/> Extension <input type="text" value="81"/>
	<input type="radio"/> Ring Group <input type="text" value="sales"/>
Description	<input type="text" value="Grandstream FXO port"/>
	<input type="button" value="Apply"/> <input type="button" value="Cancel"/>



Setting Up PSTN Trunks

- Set Up an Outbound Route with a PSTN Trunk

Add Outbound Route

Attribute	Value
Trunk Name	<input type="text" value="91"/>
Grandstream ATA	<input type="text" value="Main"/>
Prefix	<input type="text" value="81"/>
Strip No	<input type="text" value="91"/>
Add Prefix	<input type="text" value="101"/>

Number of Leading Digits to Ignore)



Appendix A - Hardware Specifications

CPU	Intel IXP420/266 MHz
SDRAM	128M
Flash	128M
Voice Compression	G729
Message Storage	2.5 Hours
WAN Port	10/100M RJ45
LAN Port	10/100M RJ45
Power	5V DC
Dimension	113 x 113 x 30 mm (4.4" x 4.4" x 1.2")
Weight	185g (0.4lb)



Appendix B - Feature Codes

❖ Call Forward

Call Forward Always Activate	*72
Call Forward Always Deactivate	*73
Call Forward Always Prompting Deactivate	*74
Call Forward Busy Activate	*90
Call Forward Busy Deactivate	*91
Call Forward Busy Prompting Deactivate	*92
Call Forward No Answer Activate	*52
Call Forward No Answer Deactivate	*53

❖ Do-Not-Disturb (DND)

DND Activate	*78
DND Deactivate	*79

❖ Core

Simulate Incoming Call to IVR-1	7777
Simulate Incoming Call to IVR-2	7778
Simulate Incoming Call to IVR-3	7779



Appendix B - Feature Codes

❖ Voicemail

Dial Voicemail	*98
My Voicemail	*97

❖ Info Service

Announce Your Extension Number	*65
Announce Time	*60

❖ Call Function

Call Parking	#70
Call Back	*69
Call Pickup	*8
Adhoc User Login	*11
Adhoc User Logout	*12

❖ Reserved Extensions

Call Parking	70
Simulate Incoming Call to IVR-1	7777
Simulate Incoming Call to IVR-1	7778
Simulate Incoming Call to IVR-1	7779