A natural voice interface for home and building control

Internet
TCP/IP
mics, smartphone, PDA,...
User
INVOX
EIB/KNX
Blinds
Lights
Domotics system
Audio & Video systems
Others
Climate
Curtains

① Features

• Speaker independent
INVOX does not need voice training. It can be used by anyone without annoying voice training. Just **plug & speak**.

• Natural language
User can express commands using a natural, flexible and open language. Thanks to linguistic engineering techniques it is not necessary to record or memorise commands. As it has been said before, just plug it and **speak freely** to INVOX.

• Available for KNX systems
INVOX system can translate common voice commands in **KNX telegrams** and it can be adapted to work with other protocols and standards.

• Multiple audio sources
INVOX system can obtain audio input from different sources, such as regular microphones or Voice over IP (VoIP), through a mobile phone or PDA. INVOX allows to control anything from elsewhere.

• Easily configurable and installable
INVOX can be easily installed and configured thanks to a its configurator. With specifying the devices of each room is just enough to make it work! Besides that, INVOX has a web administration interface which allow user to set up different parameters of the device and do other operations such as firmware updating.
Installation is also really quick and easy and it is done by plugging INVOX to the domotics bus system.

Plug & Speak

Natural language

Best Integration Technology
KNX International Forum 2010 Awards

② Benefits

• Ubiquity
Control a domotics system from virtually anywhere.

• Innovation
Voice is the interface of the future, and the technology projects an image of sophistication and innovation.

• Remote interface
Control everything from your smartphone or PDA thanks to its VoIP port.

• Powerful control interface
It allows the user to perform complex actions using simple voice commands.

• Design for All
Ideal control interface for people suffering from disabilities, such as the elderly, people with mobility issues or the visually impaired.

③ Applications

• Home
Users can control any element from anywhere, including from outside the home, using a simple, comfortable and fast interface such as natural speech.

• Buildings
Maintenance staff control any element of the building while touring the facilities.

• Hotels
Also rooms adapted to people with disabilities, helping them to interact with their surroundings.

• Hospitals
Since most patients have mobility problems, INVOX increases their autonomy.

• Nursing homes
Elderly people can interact with the environment using the simplest possible interface: their voice.
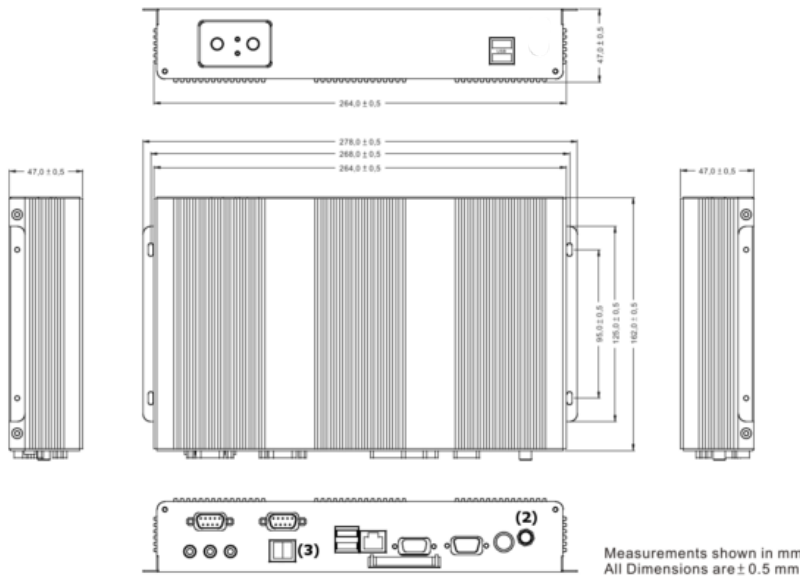
Features
- Aluminium box.
- Ultracompact size.
- Fanless.
- Several I/O ports.
- Speech recognition software.
- Natural Language Processing engine.
- KNX connection available.

I. USB
II. Power Reset Button

III. Power / HDD LED
IV. Power On Button

1. Line-in / Line-out / Mic-in
2. RS-232/422/485 Conn.
*. KNX-EIB Conn.
3. RS-232 Conn.

4. USB
5. RJ-45
6. CF Socket

7. VGA Conn.
8. RS-232 Conn.
9. PS/2
10. Power Lock

Measurements shown in mm
All Dimensions are ± 0.5 mm

Specifications

Case	: Aluminium
Color	: Black
Dimensions	: 264 x 47 x 162 mm
WiFi	: 802.11g
Languages	: Spanish (es-es), English (en-us), German (de-de).

Especificaciones energéticas

Alimentación	: +12V DC-IN
Consumo	: 2A@+12V entrada de corriente

Incluye transformador 100 ~ 220V

Condiciones ambientales

Temperatura	: 0 ~ 45 °C
Humedad	: 30% ~ 90% (RH)

I/O ports

Back:	1 x RJ-45 (10/100 Mbps)
	1 x RS-232 9P DSUB (M)
	1 x RS-232/422/4859P DSUB (M)
	1 x Line in/Line out/Mic in
	1 x KNX-EIB Par Trenzado
Front:	1 x Power/HDDLED
	1 x Botón Power Reset
	1 x Botón Encendido/Apagado

There are other I/O ports for exclusive applications and they must not be used unappropiately.
(Ask the manufacturer for more information)

Include
1 x INVOX device
1 x installation manual
1 x user guide
1 x audio guide

Audio input alternatives

INVOX can get voice orders from different audio sources, such as standard microphones or VoIP. INVOX device has been designed with a standard I/O audio ports (minijack connection) so that any standard mic or speaker can be connected to it. Besides that, VoIP devices or applications based on SIP standard can be used with INVOX to send voice commands.

Mobile devices

iPhone/iPod Touch
Send voice orders to your INVOX by using an iPhone or iPod Touch (the latter needs an external microphone). Just install the InvoxPhone application freely from the AppStore.

Windows Mobile devices
You can also use your MS Windows Mobile PDA or cellular to talk to INVOX by using the InvoxPhone our free application available at http://www.vocali.net/invox.

Features:
- No extra cost in audio mics or speakers.
- Allows to use your INVOX from anywhere you can make a VoIP call!

Recommended for:
- Mobile-addicted's!
- You want to control your installation even when you are far away from it.
- Don't want extra audio installation or extra devices (such as wireless mics).

Wireless radio microphone

AKG WMS40 PRO FLEXX PRES. SET ISM
AKG PT40 (transmitter) + SR 40 (receiver) + CK55L (mic)
INVOX has both minijack connection for microphone and input line so any standard microphone or audio system can be connected.
AKG WMS40 PRO FLEXX is an affordable wireless audio system to send voice order to INVOX.

Features:
- Wide range.
- High-quality sound.

Recommended for:
- Disabled people with restricted mobility.
- Installations where user cannot handle mics (e.g. @work)

Price (approx): 230 €

Wireless DECT microphone

Plantronics® C65 + Chat-Cord™
By using Chat-Cord it is possible to connect a DECT phone to INVOX. One recommendation is to use Plantronics C65 which includes a base to connect to INVOX through the Chat-Cord cable.

Features:
Up to 100 metres of range.
Several DECT microphones allowed with just one base.

Recommended for:
It is neccesary to have several microphones.

Price (approx): 100 €/ mic

Environmental microphones

AKG C562CM + AKG DMM 4/2/2
Environmental microphones allow user to talk to INVOX without carrying anything. They must be installed in places with low noise. An extra hardware, a mixer, to concentrate all the microphones and connect them to INVOX is also necessary when using more than one microphone. **Installation should be made by a professional audio installer** to determine the number and position of each microphone and additional hardware necessary.

Features:
Comfortability.

Recommended for:
Luxury installations.

Price (approx): 200 €/ microphone (including appropiate mixer)

(Images are not real size and proportions may not be real)