

EMBLAZE VCON

HD4000

Getting Started Guide

www.emblaze-vcon.com

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Caution! To comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules, all cables used to connect the system and peripherals must be shielded and grounded. Operation with non-shielded cables may result in interference to radio or television reception.



Safety Information

Caution! Do not open the HD4000 unit. There are no user-serviceable parts inside. Opening the unit voids the warranty and can also cause injury. Please refer servicing to Emblaze VCON-trained service personnel.

When you use an HD4000 system, observe the following safety guidelines:

Danger! The internal areas of the unit and auxiliary equipment are sources of voltage that, if not handled properly, constitute danger of bodily harm. **DO NOT** operate the unit with any of its covers (including main cover, bezels, filler brackets, front-panel inserts, and so on) removed. **INCORRECT** replacement of the Remote Control battery can cause an explosion. Replace only with the same or equivalent-type of battery recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions.

1. Make sure that the power is turned off and all equipment is disconnected from the power supply before making any equipment connections.
2. Make sure the monitor and attached accessories (PTZ camera, VCR, document camera, and so on) are electrically rated to operate with the AC power available in your location.
3. To help avoid possible damage to the system cards, wait 5 seconds after turning off the system before disconnecting a device from the computer.
4. To help prevent electric shock, plug the unit and accessories' power cables into properly grounded power sources. These cables are equipped with three-prong plugs to help ensure proper grounding. Do not use adapter plugs or remove the grounding prong from a cable. If you must use an extension cable, use a three-wire cable with properly grounded plugs.
5. Make sure that nothing rests on the unit system's cables and that the cables are not located where they can be stepped on or tripped over.
6. Do not install this equipment near water, or in an otherwise wet or damp environment.
7. Do not run the equipment in an environment with ambient temperature higher than 35°C or lower than 10°C.

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8. Keep food and liquids away from the system or accessories.
 9. Keep the unit away from radiators and heat sources. Also, do not block cooling vents. Avoid placing loose papers underneath the unit, and do not place the computer in a closed-in wall unit or on a bed, sofa, or rug.
 10. Do not install or operate this equipment if chemical gas leakage is expected in the area.

FCC Warning

Modifications not expressly approved by the manufacturer could void the user authority to operate the equipment under FCC rules.

The FCC Wants You to Know

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.

This equipment can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

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1 INSTALLATION AND ACTIVATION

Installation of the HD4000 software is straight forward and simple. From the installation media, execute the "setup.exe" file and follow the instructions.

This guide will cover three advanced topics related to HD4000 installation and configuration:

1. Installation of the IIS web server
2. Configuration of the ISDN option (where applicable)
3. System recovery (applicable to HD4000Pro Only)

Once the system is installed, you need to activate the software in order to be able to make and receive calls. The system will be activated according to the options purchased.

IIS Installation

The HD4000 license activation requires the installation of the IIS server on the machine where HD4000 is to be installed. If the IIS is not installed, activation of the software will not be possible and initiating video calls will not be available.

If you installed the HD4000 application without installing the IIS first, a warning message is displayed during the installation.

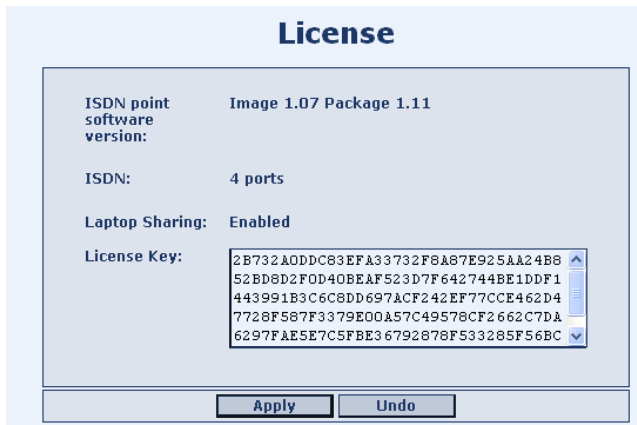
In order to install the web server (IIS), on your XP machine, go to *Control Panel* → *Add remove Programs* → *Add remove windows components* and check the *Internet Information Services* option.

After installing the IIS, you need to go back and install the web service module. From your installation media, execute the "HD4000 WebServer.EXE" and follow the instructions. Once the installation is completed, open your web browser and navigate to your machine IP address [HTTP://127.0.0.1/](http://127.0.0.1/) in order to check that the web interface is active.

Software Activation

Activating the HD4000 software is a two step procedure.

- Get temporary license key from your system and send it to Emblaze-VCON
 - Receive your permanent key and install it via the web interface.
1. In order to fetch your temporary license key, open your web browser and navigate to your machine IP address (e.g. [HTTP://127.0.0.1](http://127.0.0.1)). On the management web site, select *configuration* → *Options* → *License*. In this page you can find the license key and the features that are enabled. In order to copy the license key, right click in the license key area, and choose *Select All*, then, right click again and select *Copy*. Once you have the temporary key, paste it into an email message including your purchase order number, and send it to Emblaze-VCON.
 2. When you receive your permanent key back from Emblaze-VCON, you need to update it in the same place. Open your web browser and navigate to your machine IP address (e.g. [HTTP://127.0.0.1](http://127.0.0.1)). On the management web site, select *configuration* → *Options* → *License*. In order to update your license, delete the key that exist in the “license key” field, then, paste the key new key to that field. Once the new key is in the “license key” field, click on the *Apply* button. This will install the new key and will update the available



The screenshot shows a web interface titled "License" with a light blue background. It contains a table of configuration options and a license key field. At the bottom, there are "Apply" and "Undo" buttons.

ISDN point software version:	Image 1.07 Package 1.11
ISDN:	4 ports
Laptop Sharing:	Enabled
License Key:	<pre>2E732A0DDC83EFA33732F8A87E925AA24B8 52BD8D2FDD40BEAF523D7F642744BE1DDF1 443991B3C6C8DD697ACF242EF77CCE462D4 7728F587F3379E00A57C49578CF2662C7DA 6297FAE5E7C5FBE36792878F533285F56BC</pre>

Apply Undo

Figure 1: Activation Page

2 ISDN CONFIGURATION

Using the ISDN hardware enables connecting to ISDN based networks, using up to 4 ISDN BRI lines, reaching connection bandwidth of up to 512Kbps. In order to configure ISDN settings, please use open the settings page, either from the application or via the web based management and follow the instructions below.

ISDN Hardware Settings

Use this page to enable ISDN networking and enter the appropriate configuration settings

Note the configuring the ISDN adapter consists of 2 or 3 steps, depending on your network type:

1. Configure the ISDN adapter. This is operated by discovering the adapter connected to the system
2. Configure Phone Numbers: This is operated by setting the phone number for each BRI lines. This information is found in the ISDN >Advanced > Line Settings page.
3. Configure SPID Numbers: If required by your operator (using 5ESS switch type), enter the numbers assigned by the carrier. This is found in the ISDN > Advanced > SPID settings page

Following are the fields and controls available in this page:

Enable ISDN	Select this option to enable or disable ISDN functionality
Discover	Scans for available ISDN adapters available for this system and populate the "available" list
Available	Displays the list of ISDN adapters available for this system (previously discovered using the "discover button")

Adapter Information	Display various information regarding the selected ISDN adapter
ISDN Version	Display the ISDN adapter image and package versions
IP Address	IP address of the ISDN adapter
MAC Address	MAC address of the selected ISDN adapter
Line 1	ISDN line status for line number 1
Line 2	ISDN line status for line number 2
Line 3	ISDN line status for line number 3
Line 4	ISDN line status for line number 4

After configuring the ISDN hardware, continue and configure the ISDN phone numbers

ISDN → Advanced

Use this page to set the appropriate ISDN line configuration settings including ISDN switch type and phone numbers (and SPID numbers if required)

Switch Type	Select the appropriate ISDN switch type that matches your network. Consult with your ISDN network provider if you are not sure
Phone Numbers	Set the phone number for lines 1 to 4. Each line has two phone numbers
Phone Number 1	Set the first phone number of the selected line
Phone Number 2	Set the second phone number of the selected line

For 5ESS switch types, SPID (Service Profile Identifier) numbers should be set in boxes located to the right of the line phone numbers.

ISDN SPID settings

For 5ESS switch types, SPID (Service Profile Identifier) numbers are also required for each phone line. Enter the SPID numbers obtained from your ISDN service provider

SPID Numbers	Set the SPID number per each line. Each line has two SPID numbers
SPID 1	Enter the first SPID number for the selected line
SPID 2	Enter the second SPID number for the selected line

==END==