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You are viewing the IPitomy IP PBX Manual, [Table of Contents](#).

Appendix 7: Network Console

The system comes with an application that allows the IP Address and other network attributes to be changed to meet the requirements of the specific network. Using the Network Console allows you to view and change settings without requiring an external web browser.

Accessing the Network Console

STEPS:

1. Verify that the IP1500 is powered and that a keyboard and monitor are connected directly to it.
2. If the monitor screen is blank go to step 4. However, if you see the Network Console, go to step 5.
3. If you just powered up the IP1500, you will see various system housekeeping messages scrolling on the screen. Do not press any keys at this time. Soon the messages will stop moving and be replaced with a ?login as? prompt.
4. Press **CTRL + ALT + F7**, simultaneously. If nothing happens, go to step 1.
5. View or make changes as needed.

Selecting Options

Options are single letters or digits within brackets. You select an option by typing the option letter/digit and then pressing the Enter key. For example, on the Main menu, [1] indicates you can select the **Network Type** by typing 1 and pressing **Enter**. A blank option [] indicates that you cannot edit the value in the current context.

Menus

- Each menu screen contains 4 sections:
- Menu Location.
- ?Using? (Live) System Settings.
- Database Settings.

- Commands.

Menu Location

The location ?bar? tells you where in the configuration system you are. For example, the Main Menu is ?IPitomy NetworkingTCP/IP Settings?. Another menu is ?IPitomy NetworkingTCP/IP SettingsSubnet Mask?

Using the ?Live? System Settings

This section always contains the current network system information.

Database Settings

Most values in this section are IP Addresses. The values can be edited. To edit a value you first select the corresponding option. Options here are always numbered. Edits do not modify actual network settings until you ?Save & Update?.

Command Options

To issue a command select the desired option. Which options are available vary depending on where you are within the menu system. Some important options are:

Refresh View [R]

- When to use:
- Undo edits you do not wish to save.
- See the latest live network information.
- See if the database has been modified by someone else.

Default Settings [D]

Changes the values listed in the menu to factory defaults. Remember, you must save your changes to actually update your network interface.

Save & Update [S]

Save settings and update network connections.

Disable [Z]

IP address values can be disabled with this option.

Network Type

DHCP

DHCP may be used to simplify networking administrative tasks such as initial system configuration. With Network Type set to DHCP, several IP Address options become unavailable. For more information about DHCP and IP1500

networking requirements, refer to the appropriate section of this manual.

Acquiring a DHCP Lease

STEPS:

1. Change **Network Type** to ?DHCP?.
2. Save & Update.

Renewing DHCP Lease

STEPS:

1. Verify **Network Type** is set to ?DHCP?.
2. Save & Update.

Other Menus

- [W] Web Server
- [H] Host Access
- [F] Fix Database

Web Server

This menu allows you to restart the Web Server, and modify which IPs and/or domains can access the web server. To apply changes you must restart the web server. This will not interrupt phone service. A reboot of the PBX will also apply changes made here. The ?Allow? format may be: domain name, full IP address, partial IP address, network/netmask pair, network/nnn CIDR specification.

Changes to the Web Server access list are database independent so custom changes do not migrate from one box to another via a database backup file.

Host Access

Limit access to special services on the PBX.

An ?allow from? entry is a list of one or more host names, host addresses, patterns or wildcards that will be matched against the client host name or address. List elements should be separated by blanks and/or commas.

Changes to the Host access list are installed immediately. They are database independent so custom changes do not migrate from one box to another via a database backup file.

*Changes made to Web Server and Host Access settings are installed immediately. You must restart the Web Server ([U] option, or the PBX) before Web Server access changes are used by the Web Server. The Web Server and Host Access console menus provide all of the functionality of the **System > Access Control** web page.

Fix Database

From here you can factory default your database. This will permanently change your system. Be sure this is really what you want to do before proceeding.

Tips for Using the IPitomy IP PBX Network Console

Always read the text near the cursor before pressing keys. Otherwise you could miss an important warning message.

If the IP1500 console has been left unattended with the Network Console Menu present on the monitor screen, and you believe someone else may have modified network settings remotely since the last time the console was used, be sure to select Refresh Database View before making changes or using Save & Update. This ensures that you do not accidentally revert settings to an undesired prior state and that you are not relying on out of date information.

While unlikely, it is possible for the actual database settings to be out of sync with the ?Using? (live) network settings. If you want to switch the actual settings to the database values, simply select Save & Update. If you want to re-configure the network, edit the settings first. Then Save & Update.