iBootBar
Setup & Control Program

Overview

The iBootBar Setup and Control Program is designed to facilitate installation, configuration and management of one or more iBootBars, Dataprobe's remote controlled power strip. With the Setup Program, users can:

1. Automatically discover multiple iBootBars on a local network
2. Adding additional iBootBars, not on the local network
3. Download existing configurations from installed iBootBars
4. Save existing configurations for later use or as backup
5. Open saved configurations for change management
6. Clone saved configurations for replication of similar configurations in multiple iBootBars
7. Upload modified configurations to iBootBars
8. Control Power Outlets on one or more iBootBars throughout the network

The iBootBar Setup & Control Program works securely through the network connection between a PC running Windows 98 or higher, and the iBootBar. Administrator rights are required on the iBootBar to fully use the Program. All communication between the program and the iBootBars is encrypted using AES.

Installation

The iBootBar Setup and Control Program is distributed as an installation file iBB-SC-Setup.exe. This file can be downloaded from http://dataprobe.com/iboottools.html

Use of the iBootBar Setup and Control Program requires iBootBar firmware 1.20.xx or higher. Please see the above location to access and install the latest iBootBar firmware, prior to installation and use of the Program.

The iBB-SC-Setup.exe install program will extract the needed files. Run ibbSetup.exe to begin using the program.

Technical Support: 201-934-5111 tech@dataprobe.com
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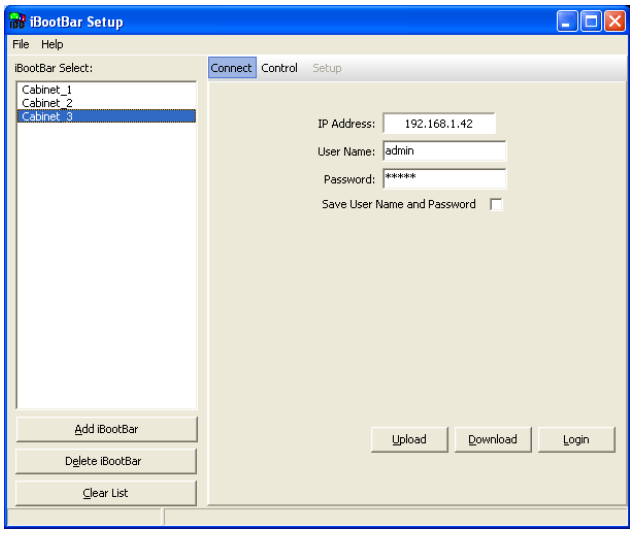
Setup & Control Program Screen

The iBootBar Setup and Control Program screen is divided into two sections. The left column is a list select box for all iBootBars identified by the system. iBootBars can be identified by the Discovery function or by using the Add iBootBar button.

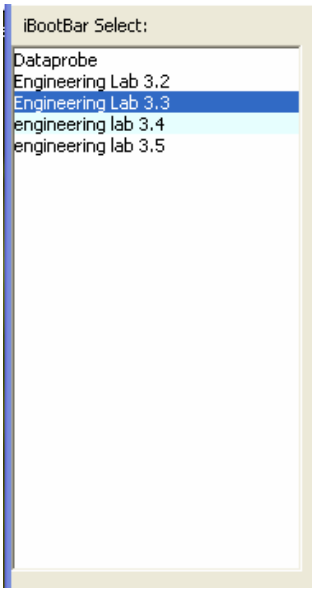
The right side of the screen is the Operations Tab Pages. It has three functions, denoted by tabs on the top of the column:

Connect Upload, Download, Login and Reboot
Control Operate Outlets
Setup Manage Configuration



iBootBar Select List Box

The iBootBar Select List Box is located on the left side of the application. It is provided as a short cut to all of the user's iBootBars. The list box can be populated in 2 ways. The first is to choose Discover from the File menu and the second is to right click on the list box and choose discover. The newly discovered iBootBars will be highlighted in light blue.



Selecting an iBootBar

To select an iBootBar from the list simply click on the desired iBootBar. This action will place the iBootBar's IP address into the IP Address field of the Connect Panel, Download Dialog Box and the Upload Dialog box. This prevents the user from having to know the IP address of his iBootBars.
The iBootBar Setup and Control program has the ability to remember the user name and password for all the iBootBars in the iBootBar Select List Box. Once the user name and password have been entered in the appropriate fields on the control panel then will remain in the programs memory until the program has been closed. The user name and password can be saved between sessions by checking the Save User Name and Password check box on the connect panel.

Selecting an iBootBar from the list box that has a username and password available the program will automatically connect to the iBootBar, Query the iBootBar and switch to the control panel.

IMPORTANT NOTE: *Selecting iBootBars in the list select box does not change any configuration loaded into the program, either from a previously downloaded iBootBar, or from a new or opened configuration file. If modifying and uploading any configuration first make sure you are working with the appropriate file or download.*

Popup Menus

As with most Windows applications the user can right click anywhere on the iBootBar Select List Box and a popup menu will be displayed. The list box has 2 different popup menus one that is displayed when the user right clicks on an iBootBar in the list box and one that is displayed when the user right clicks on white space. The white space menu is just a sub set of the iBootBar popup menu. Each of the menu choices are outlined below.

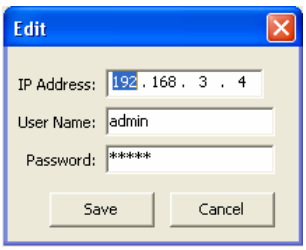
Download

This choice is only available when the user right clicks on an iBootBar in the iBootBar Select List Box. Selecting this choice will open the Download Dialog box. The IP address will be preloaded. If the user name and password were saved previously, they will be preloaded as well. This allows the user a quick and easy way of downloading the setup information of an iBootBar.

Upload

This choice is only available when the user right clicks on an iBootBar in the iBootBar Select List Box. Selecting this choice will display the Upload Dialog Box (see Upload Dialog Box for details). The IP address will be preloaded. If the user name and password were saved previously, they will be preloaded as well.

Edit



This choice is only available when the user right clicks on an iBootBar in the iBootBar Select List Box. Selecting this choice will display the Edit Dialog Box This dialog box allows the user to edit the IP address, user name and password of the selected iBootBar. This is the only way the user can delete a previously stored user name and password. The Edit dialog box contains 3 fields. All 3 of these fields are preloaded with the current data of the selected iBootBar. It is important to note that changes made here DO NOT affect the iBootBar itself.

Delete

This choice is only available when the user right clicks on an iBootBar in the iBootBar Select List Box. This choice is used to delete an iBootBar from the iBootBar Select List Box. To prevent accidentally deleting an iBootBar the standard Windows conformation dialog box is displayed before the iBootBar is deleted. This function is the same as the Delete iBootBar button below the List Select Box

Add iBootBar

This choice is only available when the user right clicks on white space (space below the last item in the list box) in the list box. This menu choice allows the user to Add and iBootBar that cannot be discovered to the iBootBar Select List Box. Selecting this choice will display the Add iBootBar Dialog Box. This function is the same as the Add iBootBar button below the List Select Box

Discover

This choice is only available when the user right clicks on white space (space below the last item in the list box) in the list box. This menu choice allows the user to discover all of the iBootBars on his local network. Clicking on it will cause the iBootBar Setup and Control Program to send a discover packet out over the local network. This command will NOT find iBootBars that are not on the local network. Use the Add iBootBar for that purpose.

Clear List

This choice is only available when the user right clicks on white space (space below the last item in the list box) in the list box. This menu choice allows the user to delete ALL the iBootBars from the iBootBar Select List Box. To prevent accidental deletion, a standard Windows conformation dialog box is displayed to confirm the action. This function is the same as the Clear List button below the List Select Box

List Buttons

Located directly below the list box there are 3 buttons that allow the user to add or delete an iBootBar from the list box as well as a button that deletes (clears) all iBootBars from the list box.

Add iBootBar Button

This button displays the Add iBootBar dialog box. From this dialog box the user can added iBootBars to the list. This is the only way that an iBootBar that is not discoverable (off the local subnet) to be added to the list.

Delete iBootBar Button

This button allows the user to delete the currently selected iBootBar. Clicking on this button will display a confirmation dialog box to help prevent accidentally deleting an iBootBar from the list.

Clear List Button

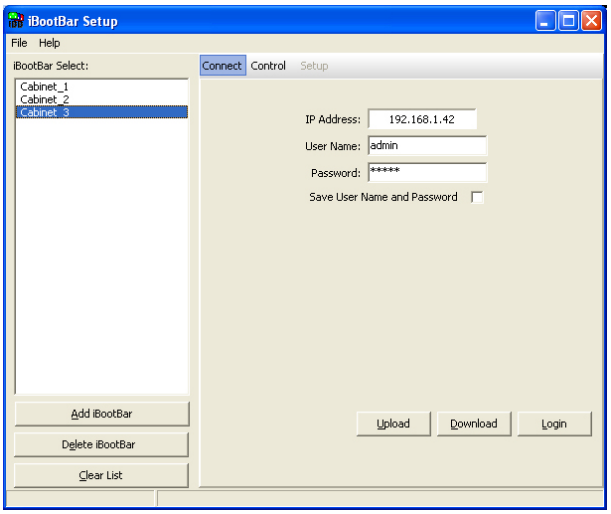
This button allows the user to delete all the iBootBars from the list. Clicking on this button will display a confirmation dialog box to help prevent the accidental deletion of all iBootBars. Note: There is no way to recover the deleted iBootBars. They will have to be rediscovered or manually added.

iBootBar Operation Tab Pages

The Operation Tab pages provide three functional operations; Connect, Control and Setup

Connect Panel

The connect panel is the first panel that the user will see upon starting the program. It provides the user the means to connect to the selected iBootBar. Once the user has selected an iBootBar he will use this panel to enter the user name and password of the selected iBootBar. After entering the user name and password the user can upload or download a configuration file or login (control) the selected iBootBar.
The connect panel contains the following fields and buttons:



IP Address Field

This field displays the IP address of the selected iBootBar. This field is display only and cannot be edited.

User Name Field

The user name field is used to enter the user name of a valid user of the iBootBar. The user's name must be programmed in the iBootBar prior this using the control panel. This field will be automatically filled in each time the iBootBar is selected from the list box, provided that the user has entered the user name previously during the current session or if the user has saved the user name and password for the selected iBootBar.

Password Field

The password filed is used to enter the password of the user entered in the user name field. The password must be programmed in the iBootBar prior to using the control panel. This field will be automatically filled in each when an iBootBar is selected from the list box, provided that the password has been entered previously during the current session or if the user has saved the user name and password.

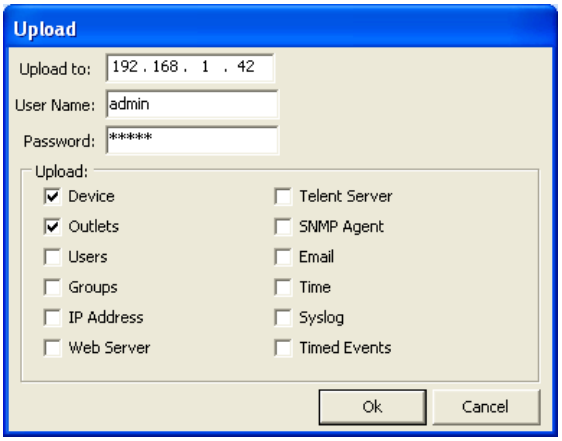
Save User Name and Password Checkbox

Checking this check box will save the user name and password for the selected iBootBar. The save takes place when any of the control buttons are pressed. The file that contains the user name and password is AES encrypted for security purposes.

IMPORTANT NOTE: *It is important to check the file or source prior to uploading any configuration. Make sure the configuration you are uploading is from the appropriate source, and contains the information desired. Uploading to multiple units with the same IP address may have undesirable consequences.*

Upload Button

This button displays the Upload Dialog Box with the IP address, username and password of the selected iBootBar.



Upload Dialog Box

The upload dialog box is displayed when the user selects the Upload Button from the Connect Page, or by right click from the list view and selecting Upload. It is provided to allow the user to select the tabs that he wishes to upload. By default only the tabs that have been change will be selected when the dialog box is first displayed. The following outlines all of elements on the upload dialog box.

Upload To

Use this field to set the IP address of the iBootBar to upload to in dotted decimal. This field is preloaded with the IP address of the selected iBootBar. Only valid IP address will be accepted.

User Name

Use this field to enter a valid user on the iBootBar being uploaded to. If the user has previously connected to the iBootBar, and saved the information, this field will be preloaded. The user MUST have administrative rights on the iBootBar in order for the operation to complete. If the user does not have administrate right an error dialog box with the message invalid rights will be displayed after the OK button has been pressed.

Password

Use this field to enter the password of the user entered above. If the user has previously connected to the iBootBar, and saved the information, this field will be pre-loaded. The password field is masked and '*' will be displayed in place of the characters entered.

Upload Check Boxes

Use the upload check boxes to select the tabs to be uploaded to the iBootBar. If changes have been made in Setup, the tabs with changes will be pre-selected.

OK Button

Press the OK button to start the upload.

Cancel Button

Press the cancel button to cancel the upload or to close the dialog box.

Download Button

This button displays the Download Dialog Box with the IP address, username and password of the selected iBootBar. After the download is complete the setup pane will be displayed.

Download Dialog Box

The download dialog box is displayed when the user selects the Download Button from the Connect Page, or by right click from the list view and selecting Download. It provides fields to enter the IP address of the iBootBar as well as the user name and password. A progress bar displays the progress of the download.

IP Address

Use this field to enter the IP address of the iBootBar to download the configuration file from. The IP address must be entered in dotted decimal format and must be a valid IP address. This field is preloaded with the IP address of the selected iBootBar. Only valid IP address will be accepted.

User Name

Use this field to enter a valid user on the iBootBar being downloaded from. The user MUST have administrative rights on the iBootBar. If user name and password are saved, this field is preloaded from the selected iBootBar.

Password

Use this field to enter the password of the above user. This field masks the password a '*' will be displayed for each character typed. If user name and password are saved, this field is preloaded from the selected iBootBar.

Progress Bar

The progress bar displays the progress of the download.

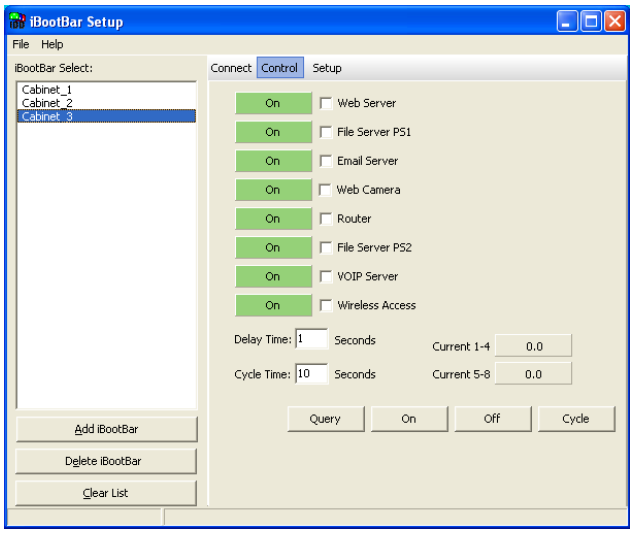
Download Button

Press this button to start the download.

Close Button

Press this button to close the dialog box.

Control Panel



The Control Panel is located just below the Operations Tabs when the iBootBar Setup and Control program is in Control mode. The control mode is entered by selecting Login from the Connect Panel, selecting an iBootBar from the iBootBar select list box that has a saved user name and password or by clicking on the control button in the task bar. Regardless of the method the control panel will not be displayed if no user name and password has been entered on the connect panel.
The control panel is displayed as a blank panel if it is accessed with an invalid user name and password.
The control panel contains the following elements:

Outlet Check Boxes

The outlet check boxes are used to select the outlets the user wishes to control. The text next to each check box is the actual outlet name retrieved from the iBootBar. All check marks are cleared whenever an iBootBar is selected from the iBootBar List Box.

Outlet Status Bars

The outlet status bars are used to display the status of the outlets. The background color indicates the actual position of the switch green for on and grey for off. The text in the panel tells the user weather the outlet is on, off, rebooting or cycling.

Delay Time

The Delay Time edit box displays the iBootBar's current delay time and allows the user to change it. It will accept values form 0-99. The new delay time is applied when the On Off or Cycle command is sent to the iBoot Bar.

Cycle Time

The cycle time edit box displays the iBootBar's current cycle time and allows the user to change it. The new cycle time is applied when the On, Off or Cycle command is sent to the iBootBar. It will accept values between 1 and 99 inclusive.

Current Display Bar

There are either 1 or 2 current display bars displayed. The number depends on the model of the iBootBar. The current display bars display the current measured current for each line cord. The background color will be grey when the current is in the normal range, Yellow when a low current alarm is present and Red when a high current alarm is present.

Control Buttons

There are 4 control buttons located at the bottom of the control panel. The function of each of these is described below:

Query Button

This button sends a 'query' request to the selected iBootBar. Both the request and response are AES encrypted.

On Button

This button sends the 'on' command to the selected iBootBar. The auto refresh feature will be started after the command is sent if required. Both the command and its response are AES encrypted.

Off Button

This button sends the 'off' command to the selected iBootBar. Both the command and its response are AES encrypted.

Cycle Button

This button sends the 'cycle' command to the selected iBootBar. If the selected outlets are on a reboot will be performed. If the outlets are off a power cycle will be performed. The auto refresh feature will be started after the command is sent. Both the command and its response are AES encrypted.

Auto Refresh

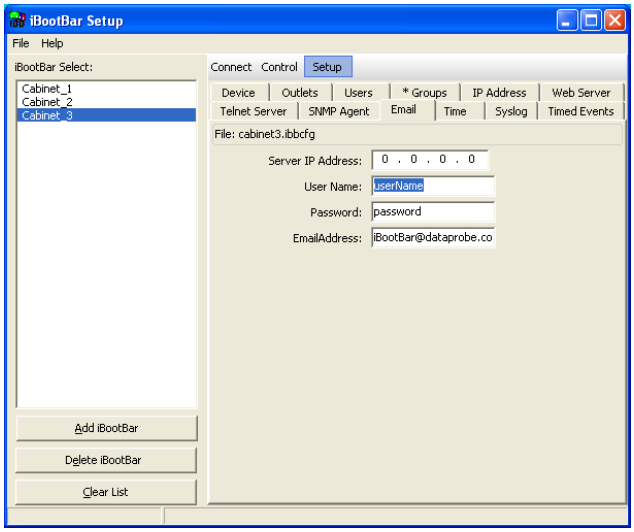
The auto refresh feature sends the 'query' command to the selected iBootBar until one of the following happens:

1. No outlets are in transition (Pending On – Reboot- Cycle)
2. A different iBoot is selected.

The auto refresh uses the delay time as its time base.

Setup Panel

The setup pane is made up of 3 parts, the Tab control, File bar and the edit pane. Each of these are described below.



Tab Control

The Tab control is used to select the desired edit pane. There 12 different tabs on the tab control. These are outlined below.

File Bar

The File Bar is located right below the tab control. It displays the name of the iBootBar configuration file, or download source that is currently being edited.

IMPORTANT NOTE: *It is important to check the file or source prior to uploading any configuration. Make sure the configuration you are uploading is from the appropriate source, and contains the information desired. Uploading to multiple units with the same IP address may have undesirable consequences.*

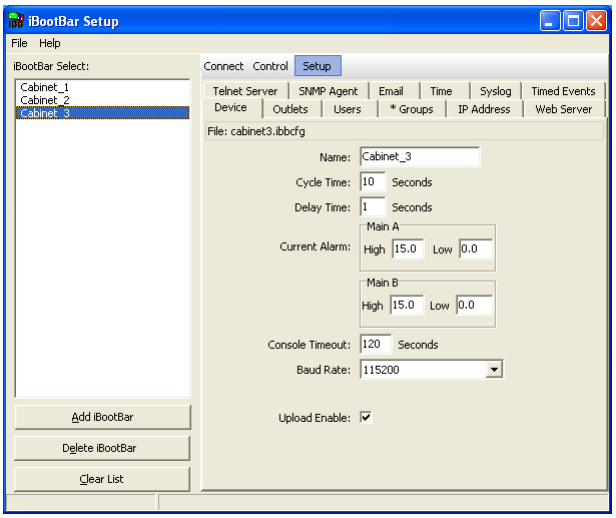
Edit Pane

The Edit Pane contains all of the elements that can be edited for the select tab. The contents of some panes will differ from iBootBar model to iBootBar model.

Tabs

The following outlines all of the tabs and the elements that will be displayed in the associated pane.

Device



The device tab is use to set up the general information about the device. Each element is described below.

Name: This field is used to program the name of the iBootBar. It will accept all printable characters. The maximum length of the name is 20 characters.

Cycle Time: This field sets the default cycle time for the iBootBar. It accepts numeric values from 1-99 only.

Delay Time: This field sets the default delay time for the iBootBar. It accepts numeric values from 0-99 only.

Current Alarm: This field is used to set the High and Low current alarms. This field morphs depending on the model of the iBootBar. For iBootBars with a single line cord the user will only be able to set the High and Low alarms for Main A. For models with 2 line cords the user will be able to set the High and Low current alarms for both Main A and B. The maximum allowed value will also change depend on the model of the iBootBar. The High and Low current alarms will accept numeric values from 0.0 to 15.0 for 15 amp models and 0.0 to 20.0 for 20 amp models.

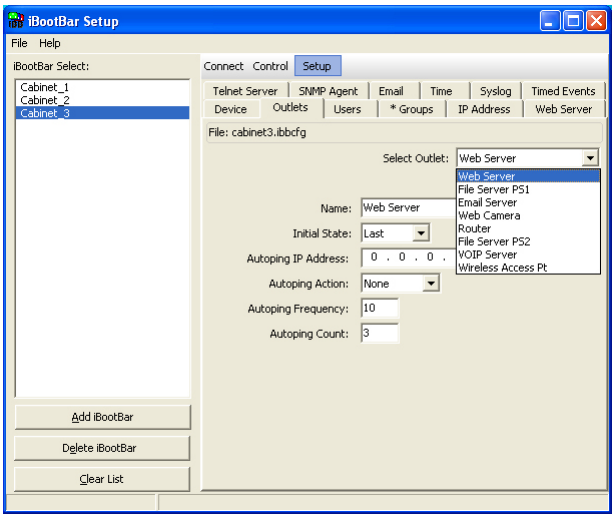
Console Timeout: This field allows the user to set the amount of time that a console session will remain active without any activity. This effects all CLI connections. The field accepts numeric values from 30 to 3600. (30 seconds to 1 hour).

Baud Rate: This field allows the user to select the baud rate for the iBootBar's serial port. The choices are – 2400, 4800, 9600, 19,200, 38,400 57,600 and 115,200 bits per second.

Country Code: The country code is used to set the modem's country code. See Appendix B for a list of country codes. This field is only displayed for models that have a modem.

Upload Enable: This field is used to enable / disable the iBootBar's ability to accept field upgrades. When the check box is checked the iBootBar will be able to accept field upgrades.

Outlets



This tab is used to program all 8 of the iBootBar's outlets. The following fields are found on this pane.

Select Outlet: This combo box allows the user to select the outlet to be programmed. It starts populated with the outlet default names, but is populated with the user defined names as they are entered. They are always in outlet order.

Name: This field is used to program the name of the selected outlet. This name will appear on the iBootBar's web page and CLI. It will accept all printable characters. The maximum length of the name is 20 characters.

Initial State: This combo box is used to set the startup state of the selected outlet. This setting is used on Cold Boots only. Warm booting has no effect on the relays.

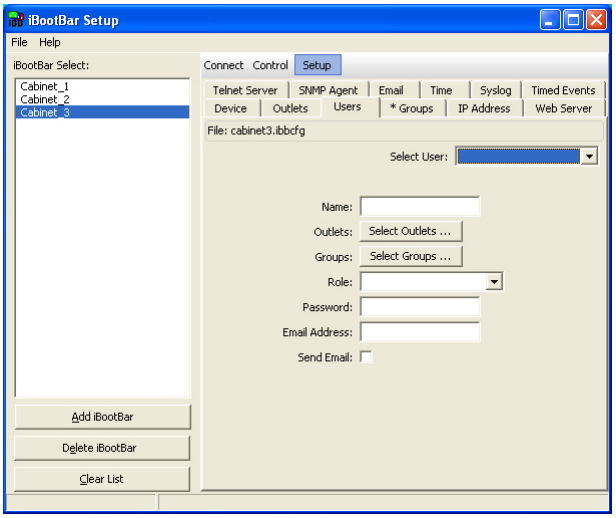
Autoping IP Address: This field is used to set the IP address of the Autoping for the selected outlet. The IP address is entered in dotted decimal format. An invalid IP address should not be accepted.

Autoping Action: This combo box is used to select the action Autoping is to take when triggered.

Autoping Frequency: This field is used to set the how often the iBootBar will ping the IP address above. Numeric values between 0 and 999 are accepted.

Autoping Count: This field is used to set the number of successive times that the ping must fail to trigger the action. Numeric Values between 1 and 99 are accepted.

Users



The users tab allows the user to add, delete or edit one of up to 16 users. Each of its fields are outlined below.

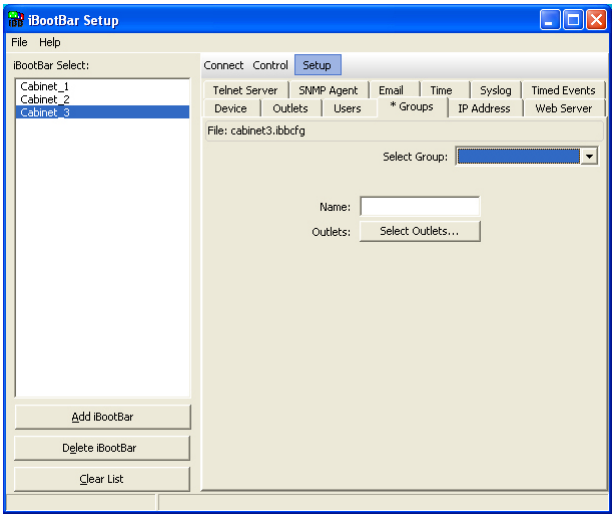
User Select: This combo box is used to select the user to be edited, add an new user or delete the currently selected user. To add a user select Add User in the combo box and a new user will be added. The default name of this user is New User n where n is the user's internal ID number. At this point all of the user's settings can be edited. To delete a user first select a user using the select user combo box. This will cause the selected user's information to be displayed. Select delete user from the select user combo box and that select user will be deleted. To edit an existing user simply select that user from the user select combo box and begin editing.

Name: This field is used to edit the user's name. It will accept any printable character. It has a maximum length of 20 characters.

Outlets: This button will display the select outlets dialog box. Use this dialog box to select the outlets that the selected user is to have rights to. See Select Outlets Dialog for details on the dialog box.
Groups: This button will display the select groups dialog box. Use this dialog box to select the groups that the selected user is to have right to. See Select Groups Dialog for more information.
Role: Use this combo box to select the user role. The user can be either a 'user' or 'administrator'.
Password: Use this field to edit the user's password. The password can contain any printable character and be up to 20 characters in length.
Email Address: User this field to set the users email address. This address can be no longer then 64 characters. The email address is only used if Send Mail has been checked.
Send Email: Use this check box to select weather the select user is going to get an email when an outlet that he has rights to is changed.
DTMF PIN: Use this field to enter the users PIN for the DTMF interface. This field is only available on models with a modem. Only numbers are accepted. The PIN must be 4 to 10 characters in length.

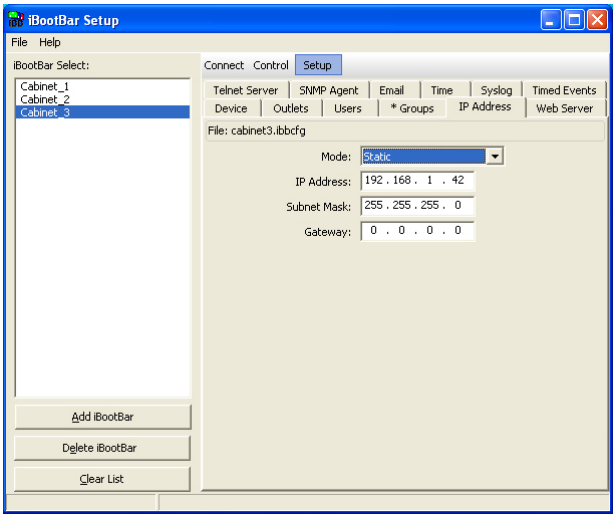
Groups

Use the group to add, delete and edit groups.



Select Group: Use the select group combo box to add, delete or select a group to be edited. To add a group select add group from the combo box. This will create a new group with the name New Group n, where n is the group's internal ID number. To delete a group select the group to be deleted using the group select combo box. Then select delete group from the combo box. A conformation dialog will be displayed to prevent accidentally deleting a group. To edit a group select the group to be edited using the combo box.
Name: Use this field to edit the name of the selected group. The group name can be made up of any printable character and be up to 20 characters in length.
Outlets: This button will display the select outlets dialog box. Use this dialog box to select the outlets that will belong to this group. See Outlets Dialog Box for more details.

IP Address



Use this tab to set the iBootBar's IP settings

IP Mode: Use this combo box to select the iBootBar's IP addressing mode. The choices are Static, Arp Ping and DHCP.
IP Address: Use this field to enter the iBootBar's IP address in Dotted Decimal format. Only valid IP address will be accepted.
Subnet Mask: Use this field to enter the subnet mask for the iBootBar in Dotted Decimal.
Gateway: Use this field to enter a gateway's IP address in dotted decimal. Only valid IP addresses will be accepted.

Web Server

Use this tab to setup the iBootBar's internal web server.

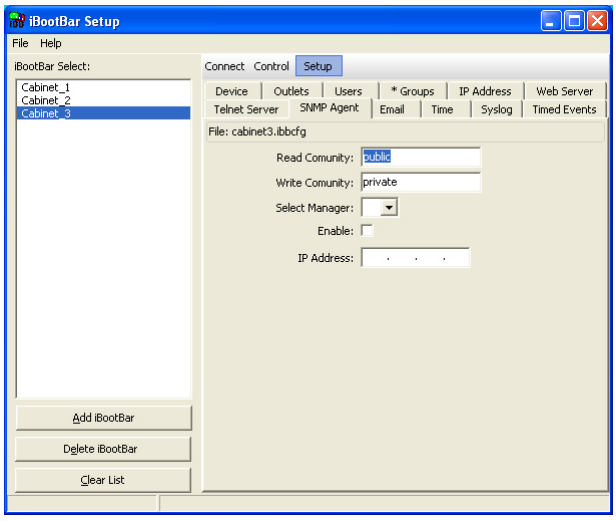
Enable: Use this check box to enable / disable the iBootBar's internal web server.
Port: Use this field to enter the port for the web server to listen on. On numeric entries between 1 and 65532 inclusive will be accepted.
SSL: Use this check box to enable / disable SSL security. When enabled the iBootBar must be accessed using https://ipaddress

Telnet Server

Use this tab to setup the iBootBars internal telnet server.

Enable: Use this check box to enable / disable the telnet server.
Port: Use this field to set the port that telnet server will listen on. Numeric values from 1 to 65535 inclusive are accepted.

SNMP Agent



Use this tab to configure that iBootBar's internal SNMP agent.

Read Community: Use this field to edit the iBootBar's read community name. The community name must contain printable characters only and cannot exceed 32 characters in length.
Write Community: Use this field to edit the iBootBar's write community name. The community name must contain printable characters only and cannot exceed 32 characters in length.
Select Manager: The iBootBar can send traps to up to 4 SNMP managers. Use this combo box to select one of the 4 managers.
Enable: Use this check box to enable / disable traps to the selected manager.
IP Address: Use this field to set the IP address of the selected SNMP manager.

Email

Use this tab to set up the iBootBar's internal email client. The email client only has the ability to send mail. As such only the address of the SMTP server's address is needed.

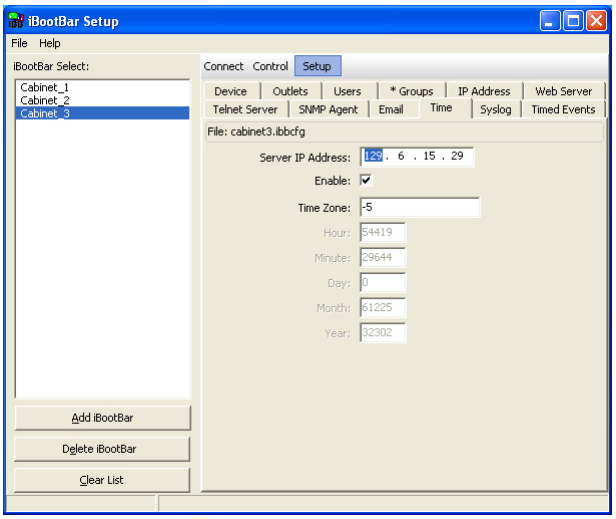
Server IP Address: The IP address of the SMTP server the iBootBar is going to use to send email, in dotted decimal. Only valid IP address will be accepted.

User Name: Use this field to enter the user name for the iBootBar to use to login to the above server. The name can contain printable characters only and cannot exceed 32 characters on length.

Password: Use this field to set the password for the above server. The password can contain printable characters only and cannot exceed 32 characters in length.

Email Address: Use this field to enter the return address for all email sent by the iBootBar. The email address can contain printable characters only and cannot exceed 32 characters in length.

Time



Use this tab to set up the iBootBar's NTS client, or set the iBootBar's internal time clock.

Server IP Address: Use this field to set the IP address of the NTS server in dotted decimal.

Enable: Use this check box to enable / disable the iBootBar's NTS client. When disabled the time and date fields will be displayed to allow the user to set the iBootBar's on board Real Time Clock.

Time Zone: Use this filed to set the current time zone. This field accepts numeric values from -12 to 12 inclusive.

Hour: This field is on visible if the NTS client is disabled. Use this field to set the hour of the day in 24 hour format. Only numeric values between 0 and 23 inclusive will be accepted.

Minute: This field is only enabled if the NTS client is disabled. Use this field to set the minute of the hour. Only numeric values between 0 and 59 inclusive will be accepted.

Day: This field is only enabled if the NTS client is disabled. Use this field to set the day of the month. On numeric values between 1 and 31 inclusive will be accepted.

Month: This field is only enabled if the NTS client is disabled. Use this field to set the month of the year. Only numeric values between 1 and 12 inclusive will be accepted.

Year: This field will only be enabled if the NTS client is disabled. Use this field to enter the current year. Only numeric values between 2007 and 2048 inclusive will be accepted. Note: the iBootBar's RTC only supports date until 2048.

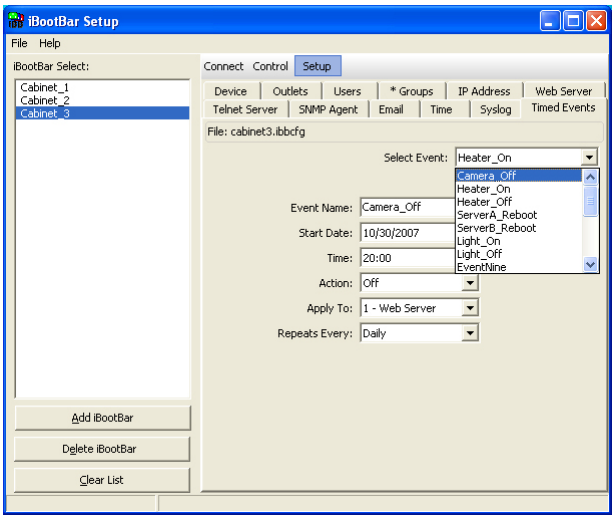
Syslog

Use this tab to set up the iBootBar's internal Syslog Client.

Server IP Address: Use this field to enter the IP address of the Syslog Server that the iBootBar is to send messages to, in dotted decimal. Only valid IP address will be accepted.

Enable: Use this check box to enable / disable the syslog client.

Timed Events



Use this tab to Add, Delete and edit timed events.

Select Event: Use the select event combo box to add, delete or select an event to be edited. To add an event select add event from the combo box. This will create a new timed event with the name New Event n, where n is the event's internal ID number. To delete an event select the event to be deleted using the event select combo box. Then select delete event from the combo box. A conformation dialog will be displayed to prevent accidentally deleting a event. To edit an event select the event to be edited using the combo box.

Start Date: Use the start date combo box (date picker) to select the data that the event will be triggered.

Time: Use the time picker to set the time of day that the event is to be executed.

Action: Use the action combo box to select the action to be taken on the day and time selected above. The valid selection are, Off, On and Cycle.

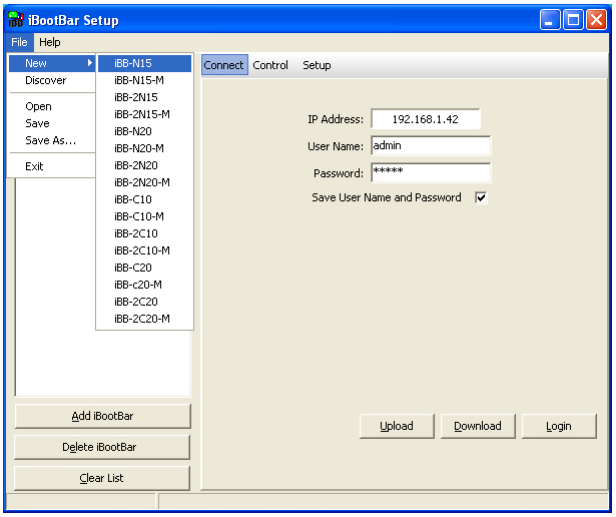
Apply To: Use the apply to combo box to select the outlet or group that the event will effect.

Repeat: Use the repeats every combo box to select if and when the event repeats. The valid selections are – Never, Daily, Weekly, Monthly, and Annually.

File management, Upload and Download

Main Menu

The main menu is located on the top or the application just below the title bar. This menu gives the user access to 2 sub menus, File and Help.



File

The file menu provides the user with the following file related functions.

New

This menu choice will list of the 16 different iBootBar models. Clicking one any one of these will populate all pages of the setup tabs with the factory defaults for the selected model. See Appendix A for details on the factory defaults for each model.

Discover

This menu choice allows the user to discover all of the iBootBars on his local network. Clicking on it will cause the iBootBar Setup and Control Program to send a discover packet out over the local network. This command will NOT find iBootBars that are one the internet.

Open

This menu choice will display the Open dialog box. This dialog box allows the user to select a previously saved iBootBar Configuration File (*.ibbcfg).

Save

This menu choice allows the user to save the configuration file that (s)he is currently editing. If the file has never been saved the Save As dialog box will be displayed. This dialog box allows the user to give the configuration file a name.

Save As

This menu choice allows the user to save the currently open configuration file with a different name. Clicking on this choice will display the Save As dialog box.

Exit

This menu choice closes the program.

Help

This menu is under construction

About

This menu choice displays the programs about dialog box. See about dialog box for details.

Appendix A (Factory Defaults)

Being that only the items on the Device Tab change from unit to unit only those will be outlined here.

iBB-N15

Name:	DataprobeiBB-N15
Cycle Time:	10
Delay Time:	1
Current Alarms:	Main A – Low 0.0 High 15.00
Console Timeout:	120
Baud Rate:	115,200
Upload:	Enabled

iBB-N15-M

Name:	DataprobeiBB-N15-M
Cycle Time:	10
Delay Time:	1
Current Alarms:	Main A – Low 0.0 High 15.00
Console Timeout:	120
Baud Rate:	115,200
Country Code:	181
Upload:	Enabled

iBB-2N15

Name:	DataprobeiBB-2N15
Cycle Time:	10
Delay Time:	1
Current Alarms:	Main A – Low 0.0 High 15.00
	Main B – Low 0.0 High 15.00
Console Timeout:	120
Baud Rate:	115,200
Upload:	Enabled

iBB-2N15-M

Name:	DataprobeiBB-2N15-M
Cycle Time:	10
Delay Time:	1
Current Alarms:	Main A – Low 0.0 High 15.00
	Main B – Low 0.0 High 15.00
Console Timeout:	120
Baud Rate:	115,200
Country Code:	181
Upload:	Enabled

iBB-N20

Name:	DataprobeiBB-N20
Cycle Time:	10
Delay Time:	1
Current Alarms:	Main A – Low 0.0 High 20.00
Console Timeout:	120
Baud Rate:	115,200
Upload:	Enabled

iBB-N20-M

Name:	DataprobeiBB-N20-M
Cycle Time:	10
Delay Time:	1
Current Alarms:	Main A – Low 0.0 High 15.00
Console Timeout:	120
Baud Rate:	115,200
Country Code:	181
Upload:	Enabled

iBB-2N20

Name:	DataprobeiBB-2N20
Cycle Time:	10
Delay Time:	1
Current Alarms:	Main A – Low 0.0 High 20.00
	Main B – Low 0.0 High 20.00
Console Timeout:	120
Baud Rate:	115,200
Upload:	Enabled

iBB-2N20-M

Name:	DataprobeiBB-2N20-M
Cycle Time:	10
Delay Time:	1
Current Alarms:	Main A – Low 0.0 High 20.00
	Main B – Low 0.0 High 20.00
Console Timeout:	120
Baud Rate:	115,200
Country Code:	181
Upload:	Enabled

iBB-C10

Name:	DataprobeiBB-C10
Cycle Time:	10
Delay Time:	1
Current Alarms:	Main A – Low 0.0 High 15.00
Console Timeout:	120
Baud Rate:	115,200
Upload:	Enabled

iBB-C10-M

Name:	DataprobeiBB-C10-M
Cycle Time:	10
Delay Time:	1
Current Alarms:	Main A – Low 0.0 High 15.00
Console Timeout:	120
Baud Rate:	115,200
Country Code:	181
Upload:	Enabled

iBB-2C10

Name:	DataprobeiBB-2C10
Cycle Time:	10
Delay Time:	1
Current Alarms:	Main A – Low 0.0 High 15.00 Main B – Low 0.0 High 15.00
Console Timeout:	120
Baud Rate:	115,200
Upload:	Enabled

iBB-2C10-M

Name:	DataprobeiBB-2C10-M
Cycle Time:	10
Delay Time:	1
Current Alarms:	Main A – Low 0.0 High 15.00 Main B – Low 0.0 High 15.00
Console Timeout:	120
Baud Rate:	115,200
Country Code:	181
Upload:	Enabled

iBB-C20

Name:	DataprobeiBB-C20
Cycle Time:	10
Delay Time:	1
Current Alarms:	Main A – Low 0.0 High 20.00
Console Timeout:	120
Baud Rate:	115,200
Upload:	Enabled

iBB-C20-M

Name:	DataprobeiBB-C20-M
Cycle Time:	10
Delay Time:	1
Current Alarms:	Main A – Low 0.0 High 20.00
Console Timeout:	120
Baud Rate:	115,200
Upload:	Enabled

iBB-2C20

Name:	DataprobeiBB-2C20
Cycle Time:	10
Delay Time:	1
Current Alarms:	Main A – Low 0.0 High 20.00
Console Timeout:	120
Baud Rate:	115,200
Upload:	Enabled

iBB-2C20-M

Name:	DataprobeiBB-2C20-M
Cycle Time:	10
Delay Time:	1
Current Alarms:	Main A – Low 0.0 High 20.00 Main B – Low 0.0 High 20.00
Console Timeout:	120
Baud Rate:	115,200
Country Code:	181
Upload:	Enabled

Appendix B(country Codes)

Country	Code
Argentina	07
Australia	09
Austria	253
Belgium	253
Canada	181
China	181
Cyprus	253
Czech Republic	253
Denmark	253
Finland	253
France	253
Germany	253
Greece	253
Hong Kong	153
Hungary	253
Iceland	253
Indonesia	153
Ireland	253
Italy	253
Japan	00
Korea	181
Liechtenstein	253
Luxembourg	253
Mexico	181
Netherlands	253
New Zealand	126
Norway	253
Philippines	181
Portugal	253
Slovak Republic	253
Spain	253
Sweden	253
Switzerland	253
Taiwan	254
United Kingdom	253
United States	181