

# Appendix A

## Firefly Operation Manual

<b>FIREFLY OPERATIONS MANUAL.....</b>	<b>176</b>
Overview .....	176
Getting Started .....	176
Home Screen .....	176
A/C Current Components and Status.....	177
D/C Current Components and Status) .....	178
Climate System Operation.....	179
Lighting System Operation .....	180
Power Vent System Operaton.....	181
Setting Operating System.....	182



## Firefly Operational Manual

Your motor home may be equipped with a “Firefly” network system. This is designed to operate virtually all of the electrical components in your motor home. The simple to use “touch” screen keypad and “self-guided” menus are easy to use. This system also has the feature of being able to help troubleshoot and diagnose electrical problems should one arise. Your authorized dealer will be able to assist you if the need arises.

### Getting Started

You Firefly system has a main “LCD touch screen” keypad. Simply select the icon located around the perimeter of the keypad to select the area or the individual device in which you wish to operate then select the individual device on the center of the screen. Figure I shows the main LCD touch screen keypad.



Figure I  
Main LCD Keypad

### Home Screen

By depressing the Icon shaped like a “house” and with the letters “HOME” underneath the screen should look like Figure I. Note that the color of the outlined devices are two different colors. The “light” colored Icon on the screen means that the device is “OFF”. The Icons that are dark colored with light colored lettering indicate the device is “ON”, operating or is illuminated. By touching the individual Icon will activate or deactivate the component.

This is an important screen because several features related to your motor home are displayed. The features shown on this screen include “gray, black and fresh” water levels, LP level, water pump status (ON or OFF), DC and AC voltages (giving you an indication how charged the batteries are and how much voltage is supplied by the generator or if you are plugged into shore power), the rate of charge the battery is being charged at (“FLOAT” is a “trickle” charge used to maintain the batteries, “ABSORBATION” a general purpose charge when the batteries are discharged, and “BULK” a rate of charge when the batteries are significantly discharged, below 12.5 volts), Inverter status, Automatic Generator Status (ON or OFF and when it is set to be active or shut off) and an indicator if the generator is running or not.

## Alternating Current Components and Status

By depressing the Icon that looks like an “electrical cord” with the letters “AC” underneath the LCD screen will change to look like Figure II.

The screen shown in Figure II shows the condition or output of the AC electrical system and the various components within the system. This is beneficial to know how much electrical power the on-board electrical system is using and the status (ON or OFF) of the individual component. Since there are two “legs” (AC electrical circuits) running to your motor home from either the “shore cord” or generator, both are displayed.

Also shown is the “Generator Auto Start” status, “Generator Hours” (total run time), “Inverter” status (ON or OFF), “Auto Gen Start” (ON or OFF), “Block Heater” (ON or OFF), “Inverter Charge Status”, “EMS Load Status” and “Generator AGS Option”. By pressing an Icon you can determine the status of a component, change the status of a component or set the time the component will be enabled to make your motor home experience more enjoyable.



Figure II  
Alternating Current Components and Status

## Direct Current Components and Status

By depressing the Icon that looks like a battery with the letters “DC” underneath the LCD screen will change to look like Figure III. This screen tells you the status of the “Direct Current” or 12 volts electrical system. Of particular importance on this screen is the battery “voltage and current”, whether or not the “Inverter” (charger) is ON or OFF, what state the inverter is in (meaning the type of charging; FLOAT: a “trickle” charge used to maintain the batteries, ABSORBATION: significantly higher rate of charge, used to charge batteries for a long time and not damage them, BULK: used to charge the batteries that are significantly discharged). This screen is also used to set the charging parameters, battery type (lead acid, AGM, etc.). It is recommended to leave the inverter/charger to the DEFAULT settings since it has its own software and can detect if the batteries need charged and at what rate provided the inverter is enabled and ON.



Figure III  
Direct Current Components and Status

## Climate System Operation

By depressing the Icon shaped like the “sun” and with the word “CLIMATE” the screen should look like Figure IV. This screen is used for monitoring and setting up the heating and cooling systems in the motor home while it is occupied.

Note: Your motor home may only have one heating or cooling zones. If this is the case the second or third heat zone or cooling zone will not be able to be activated. The software in the Firefly system uses this as “place holders” if used on a different model with a multiple heating and cooling zones.



Figure IV  
Climate System Components and Operating Status

## Entry, Main and Rear Lighting System Operation

By depressing any of the three Icons' that look like a "lightbulb" and with the words "ENTRY, MAIN and REAR" you will be accessing the lighting system in the motor home. The screens should look like Figure V, VI and VII.



Figure V  
Entry Lighting

Figure VI  
Main or Living Lighting

Figure VII  
Rear Lighting

When a specific light or area switch is selected the screen will change from an outlined light color with dark lettering to a dark color with white lettering. Figure VI shows what the DINETTE OVHD switch would look like if the dinette overhead lights were ON or activated. All other switches show in Figures V, VI and VII show the switches in the OFF or inactive position.

Due to all the different configurations of lighting in the different models the Firefly network system is used on it is recommended that the owner go through each Icon on the three screens one at a time and activate the individual lights.

## Power Vent System Operation

Depending on the make and model of your motor home you may have a feature that will allow you to remotely open or close the ceiling mounted vent fans. This was added to some models as a “feature” so air could be circulated during moderate weather conditions or when cooking. The display shown on Figure VIII shows what the display looks like and what fan can possibly be activated. It is recommended that the owner activate this screen and verify they have or do not have this remote fan feature.



Figure VIII  
Remote Vent Fan Operating System



## Settings Operating System

By depressing the Icon shaped like the “gear” and with the word “SETTINGS” the screen should look like Figure IX. This screen is used setting up the time, temperature and if the owner would like a degree of “customization” the model of the motor home can be input and displayed. Just like all of the other displays putting your finger on the LCD display at the individual Icon and the appropriate data can be input or changed or just monitored.

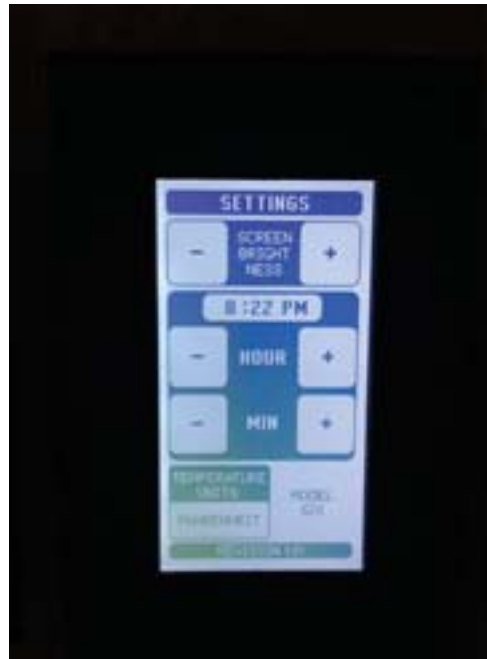


Figure IX  
Settings Operating System