

houEvolve

Telephone Interface Module User Manual and Installation Guide

Introduction

Thank you for purchasing a FREEVOLVE® product. We designed it to provide you with years of reliable service.

The following setup instructions will help you get up and running quickly, and while we hope all our products are self-explanatory, the enclosed user guide should cover all questions you may have. Please refer to the “Support” section of our website – www.freevolve.com – for additional information.

Warranty Information

All FREEVOLVE® products are covered against manufacturing defects for a period of 2 years from the date of purchase. During the warranty period we will replace any defective unit free of charge.

The warranty does not cover any problem caused by accident; abuse; neglect; improper installation, operation or modification; any misuse contrary to the instructions in the user guide.

Installation and Configuration

The Telephone Interface Module is supplied with a Class 2 AC/DC adapter and a 7ft telephone cord.

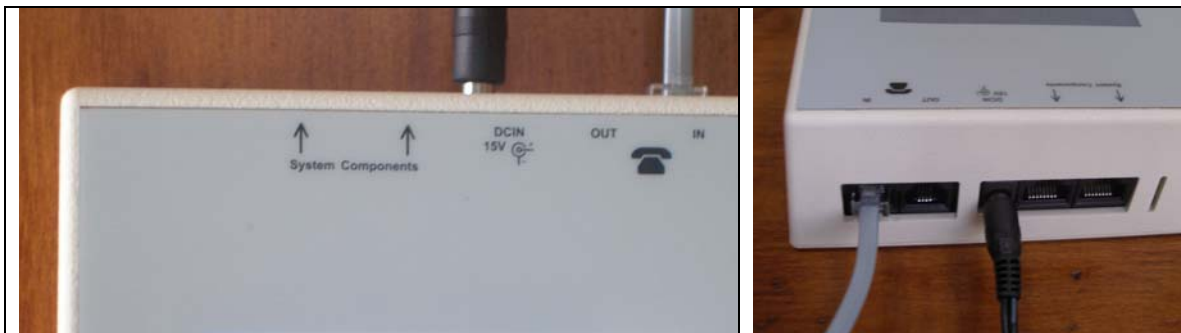


1. Installation

- Place the Telephone Interface Module at its desired location. While this unit will work in any position, we recommend a flat surface in a conveniently accessible area.
- Connect the included phone cord between the Telephone Interface Module's "IN" jack and a telephone wall outlet.



- If you use a Telephone Answering Machine in your home, we strongly recommend that you connect its phone cord to the "OUT" jack of the Telephone Interface Module. While not mandatory, this setup will allow both devices to operate seamlessly with each other.
- Insert the enclosed AC/DC adapter into a wall outlet, and then connect its output plug to the DC IN jack on the Telephone Interface Module.



If you purchased the Telephone Interface Module as a stand-alone device (that is, without any peripheral modules), your installation is complete. Please proceed to the Configuration section.

2. Building a housEvolve system

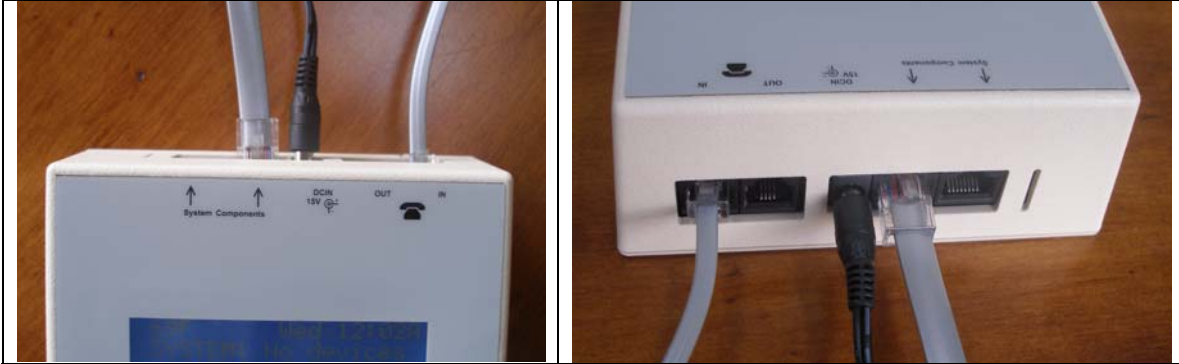
The housEvolve system grows around the Telephone Interface Module, which is the central element of the housEvolve network. It is also the contact point between the remote user and all available monitoring and control functions.

The housEvolve network is flexible, allowing for a wiring configuration most appropriate for your needs. Peripheral components may be directly connected to the “System Components” jacks on the Telephone Interface Module, or they may be daisy-chained – as long as each network “chain” includes a connection to the Telephone Interface Module.

Building a housEvolve system is as simple as connecting the peripheral modules to the Telephone Interface. The only requirement is that **during the initial system installation the Telephone Interface Module must be ON and each peripheral module must connect to the Telephone Interface one at a time. Once a peripheral module is added to the network, please allow 30 seconds for the Telephone Interface to identify, configure and incorporate the capabilities of the new device into the system. Then a new peripheral module may be added.** Note that this requirement is only applicable to the initial installation of a peripheral module. If, for example, you need to move the Telephone Interface to a new location at a later time, there are no restrictions on the connection order.

- First, install and connect each peripheral module to the appliance under its control according to the instructions provided (ex: install and connect the Thermostat Module to the HVAC system before connecting it to the Telephone Interface).
- Ensure that the Telephone Interface Module is powered (the LCD display is ON).
- Using the network cable provided, connect each peripheral module, one at a time, either directly to a “System Components” port on the Telephone Interface Module or daisy-

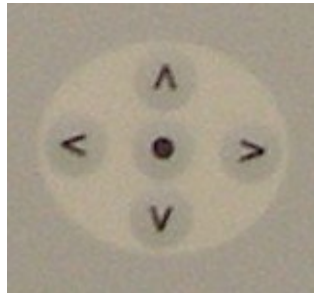
chained off another peripheral module already connected to the Telephone Interface. As each new peripheral module is recognized and configured, the Telephone Interface display will be updated to reflect the current size of your housEvolve system.



3. Configuration

Now that the Telephone Interface Module is installed, there are a few configuration tasks that need to be performed in order for you to be able to take full advantage of its capabilities. Before we get to that, however, it is time for a few words on how to interact with it.

All features offered by the Telephone Interface Module features are accessed and most can also be altered through the use of the 5-button navigation keypad shown below, in conjunction with the display. The only exceptions are those features requiring a numeric input (ex: passwords or telephone numbers), for which the numeric keypad is used. Most of the information displayed on any screen is selectable and configurable. You simply navigate to the feature of interest and then act upon it.



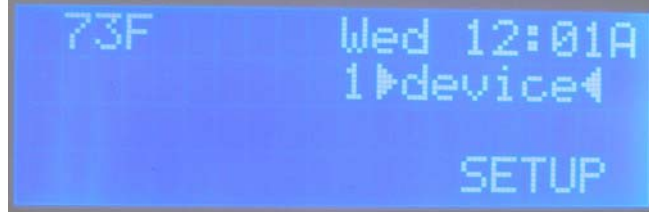
General guidelines: the Left-Right keys (< >) are used to drag the selection markers to the feature of interest, while the UP-Down keys (^ v) are used to roll up/down through the available settings for the selected feature. The Select key (•) is used to confirm the feature chosen or to act upon a navigation selection (Ex: sending the display to the “Settings” screen).

The Telephone Interface Module enters a “stand-by” mode in the absence of user action, identified by the main screen displayed in a low backlight setting (the screen is dimly lit) and without any selection markers. Any button press in this mode causes the system to enter the “user” mode, defined the screen switching to a bright backlight setting and the selection markers appearing around the default main screen feature.

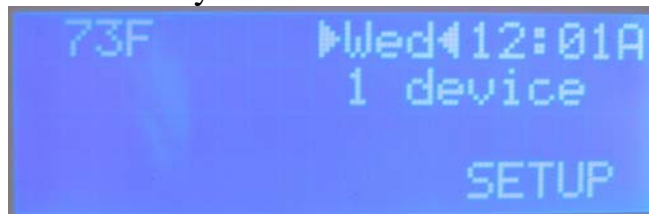
As an example we will go through setting the clock on the main screen. The default value at startup is Wed, 12:00A. Since the clock

begins running as soon as the system is powered, the time on your screen may be different by now.

- a. With the system in stand-by mode, press any key. The screen will light up and the default feature is selected, as shown below.



- b. Use the Left or Right keys to move the selection markers until they surround the clock "day" feature.



- c. Use the Up or Down button to scroll through the days of the week until reaching the desired day.



- d. Press the Right button to select the clock "hour" feature.



- e. Use the Up or Down button to increment/decrement the hour field. Note: keeping the Up/Down key pressed will allow the system to scroll through the hour field.



- f. Press the Select button to toggle between 12/24 clock display mode. Note that in 24hr mode the AM/PM marker at the end of the time field disappears.



- g. Press the Right button to select the clock “minute” feature.
- h. Use the Up or Down button to increment/decrement the minute field. Note: keeping the Up/Down key pressed will allow the system to scroll through the minute field.



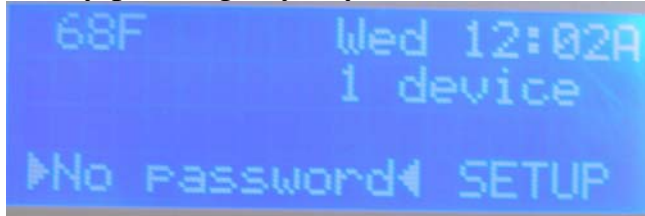
- i. That’s it! The Telephone Interface Module will return to “stand-by” mode after a few seconds of user inactivity, keeping the newly chosen time.



Now that interacting with Telephone Interface Module is, hopefully, no longer a mystery, let's finish the configuration process.

First, you need to set up an access password in order to be able to communicate with the Telephone Interface Module over the phone, and to alter certain protected settings.

Enter User mode by pressing any key. The main screen looks like this:



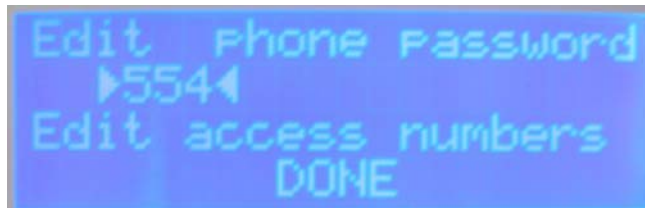
```
68F           Wed 12:02A
              1 device
▶No Password◀ SETUP
```

Press Select (•) to edit the access password. The screen changes:



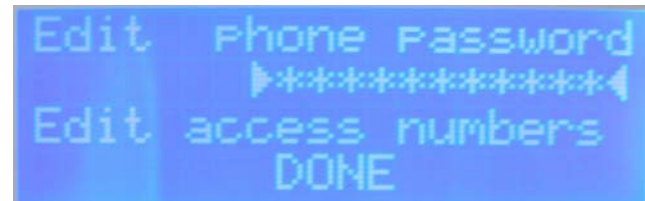
```
Edit phone password
▶NOT DEFINED◀
Edit access numbers
DONE
```

Use the number pad to enter the desired password. The screen will follow your entries:



```
Edit phone password
▶554◀
Edit access numbers
DONE
```

When finished, press Select. The password will be masked from now on:



```
Edit phone password
▶*****◀
Edit access numbers
DONE
```

You can always delete it or enter a new one.

NOTE: if you delete this password (or don't enter one) you will not be able to interact with the Telephone Interface Module if you initiate the call.

The second configuration step necessary to get the Telephone Interface Module working properly is setting up at least one access phone number. An access number is a telephone number the Telephone Interface Module dials when it has something to report. You can configure up to 5 phone numbers, and when a problem arises they will be called, in order, at intervals of 25 seconds, until you acknowledge receipt of the report. If the Telephone Interface Module does not receive a confirmation after going through all the numbers in the list, it waits about 25 minutes and starts the whole process again.

You can edit your access numbers directly from the screen above or, if the device has already timed out and moved back to the main screen, start again from there:

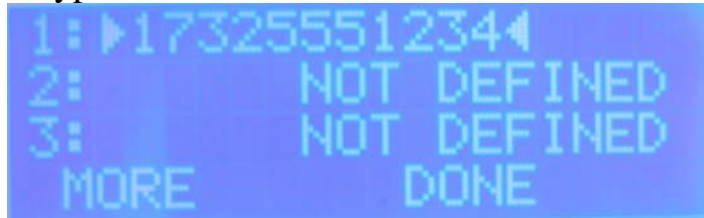


Press Select to edit the access numbers. This feature is password protected, so you will need to enter the password you just created on the next screen. Once that is done, the display goes to the first access number screen:



Use the number pad to enter a phone number – just as you would have to dial it from this location – into the selected slot. To choose a different slot, simply use the Left or Right button to navigate to it.

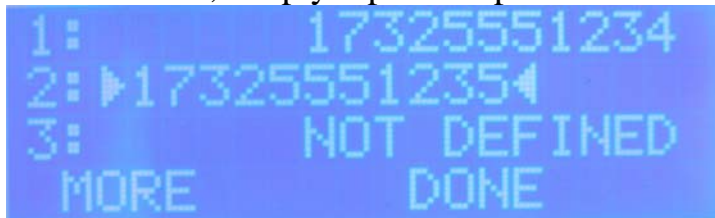
Once your target slot is selected, simply start typing the number using the numeric keypad:



When finished, press Select. The number moves to the right of the screen and the selection markers move to the next slot.



To enter another number, simply repeat the process:



To enter more than 3 access numbers, choose “MORE” and press select. The remaining number slots become visible. When finished, choose “DONE” and press Select. Your device returns to the main screen and there are no more messages displayed in the lower left corner.

Finally, if your home uses an Answering Machine, the Telephone Interface will need to be told the number of rings to which the Answering Machine is configured. The Telephone Interface Module is now ready for use.