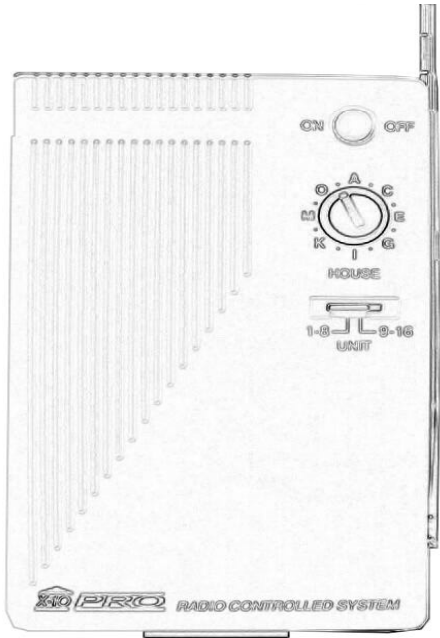


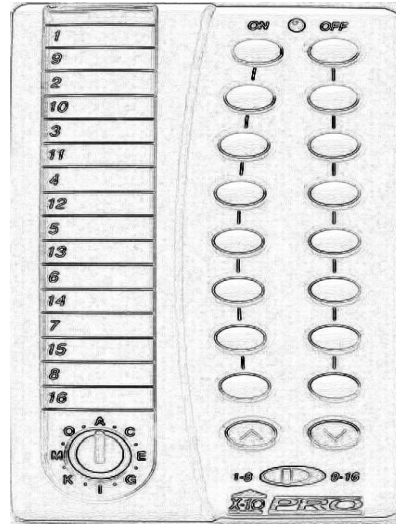
APPLICATIONS

WIRELESS REMOTE CONTROLLER AND LIGHTS/APPLIANCES

Utilizing a Wireless Controller to send commands is extremely convenient and requires the use of a Base Transceiver (PAT01 or RF Security Console, ie. PRO2000) to act as the RF Interface to the powerline.



The PHR03 16+ Handheld Remote provides the ability to transmit ON/OFF and BRIGHTEN/DIM Commands for up to 16 different Modules.

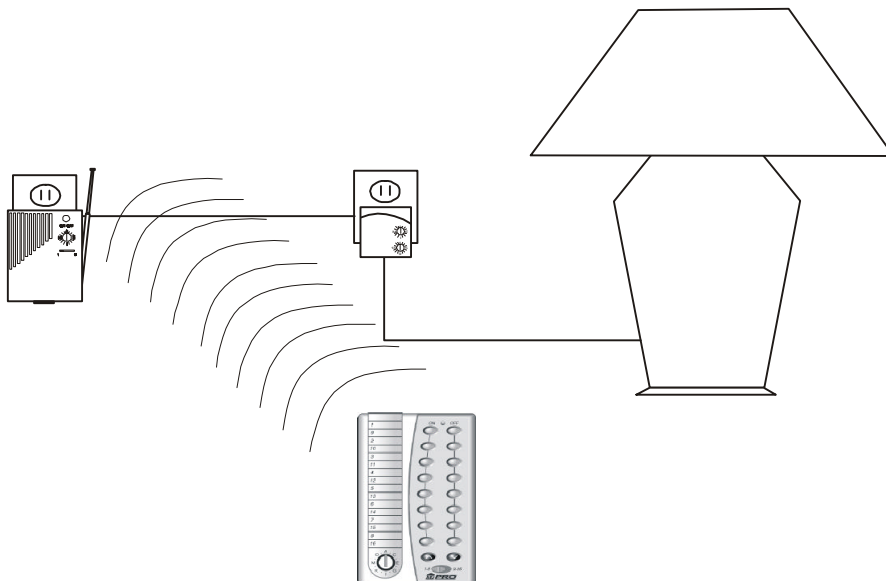


The House Code Wheel located on the front of the Controller needs to be set to match the House Code on the Base Transceiver and the installed Modules.

Pressing the ON side of one of the PHR03 Unit buttons causes an RF signal to be sent to the waiting Base Transceiver. The Base Transceiver verifies the authenticity of the signal and injects it onto the AC powerline of the home.

At the bottom of the Handheld Remote is selector switch allowing direct Unit Code selection 1-8 or 9-16 to be the operating Modules from this Controller. You can continue to operate in both selections from one Base Transceiver, you will just need to select 1-8 or 9-16 as needed.

The BRIGHTEN/DIM buttons on the controller are for intensity control of the last ON button you pressed.



APPLICATIONS

For example, if you want to turn ON and Dim Unit 1;

Select the button corresponding to Unit 1 ON.

After the light responded to the ON command, you may then select Dim and hold it until the desired level is achieved.

You will notice a slight delay between pressing the button and the action taking place. This is normal for the signals to get from your Controller to the Base Transceiver and onto the powerline. For this reason always wait about one second between repeated or numerous transmissions.

The Base Transceiver PAT01 has a built-in non-dimming Appliance Module capable of up to 15A Inductive load control. You simply plug a device into the bottom of the Transceiver. The Module can be controlled manually using the ON/OFF button located on the front of the Transceiver, or by X10.

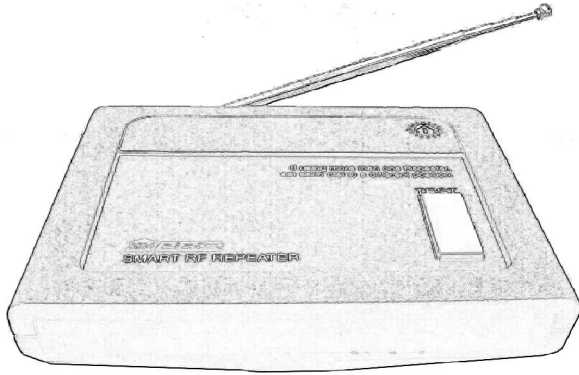
Selecting 1 or 9 from the slide switch on the front dictates which Unit Code the Module will respond to from an RF Controller.

Remember, you must set the House Code to match that of the RF Controllers you plan to use. Only one Base Transceiver is required per household, unless you are using multiple House Codes.

APPLICATIONS

RF INTERFERENCE

If you are experiencing random RF interference or dead RF zones, set a PSX01 Smart RF Repeater between the Base Transceiver and the area from which you are transmitting.

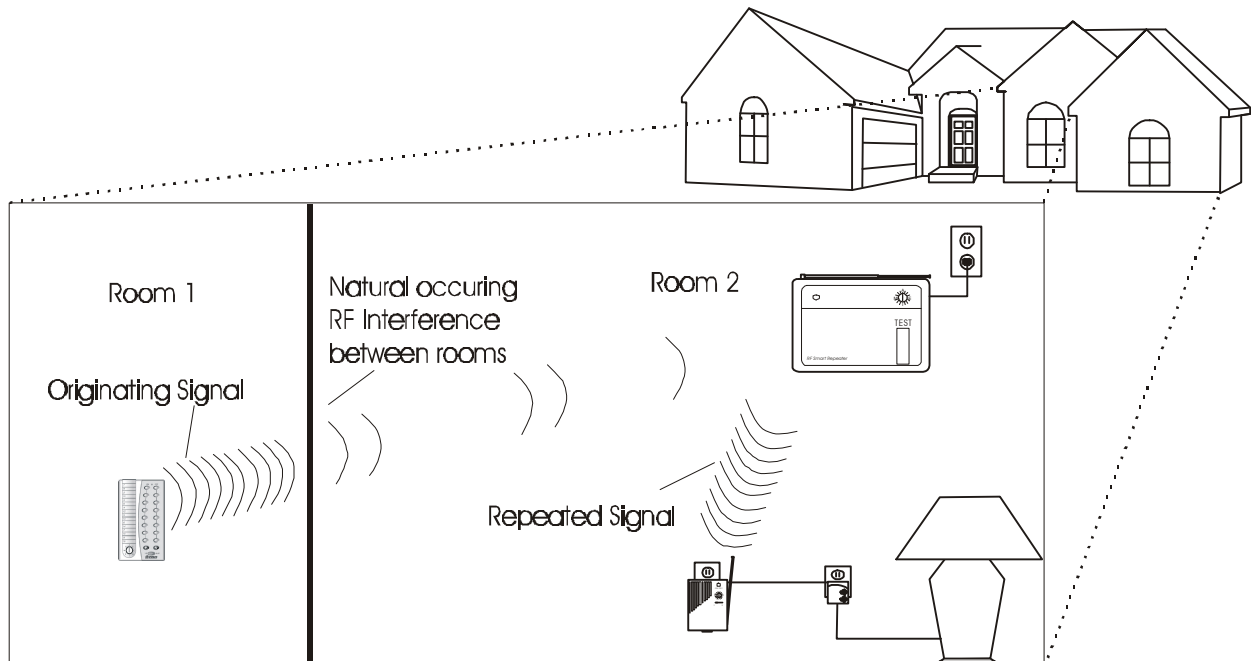


The Smart Repeater has the ability to receive and retransmit valid "un-repeated" X10 RF signals, giving the Base Transceiver a better chance of hearing the command.

When installing more than one Smart Repeater, it is important that you set each one, (up to 4), to a different House Code and different than the "original" House Code. This way each Repeater can decipher if it was an originating RF command, or a repeated command.

NOTE: You may utilize as many RF Controllers (transmitters) as you like in one installation. Set all transmitters to the same House Code as one Base Transceiver (centrally located) or to different ones based on the location in the home and the areas to be controlled.

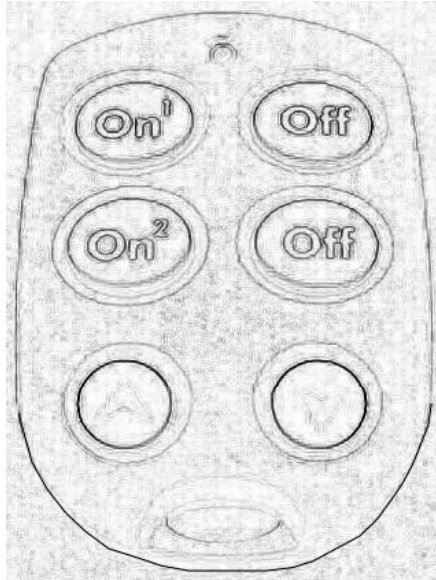
You just need to be aware of usage as multiple simultaneous transmissions may occasionally collide with each other and not perform the specified task.



APPLICATIONS

ADVANCED KEYCHAIN CONTROL

The PHR04 Keychain Remote is a very versatile Controller capable of being programmed to 2 sequential X10 Unit Codes on one House Code.



The House Code is programmed by pressing and holding the first ON button. First the LED will flicker then flash back to you the number of times directly in response to the House Code letter. A=1 flash, B=2, etc.

Releasing and pressing the number of times for a new House Code (and holding on the last press) the LED will blink back the new House Code you set.

The Unit code for the first position is set the same way but using the OFF button at the first position.

After you have set

the House and Unit Code for the first position, the second position will become 1 Unit Code higher than the first, but the same House Code. (ie. If you set the first to A13, the second button will be A14).

After pressing the desired Unit Code ON, You can follow up with a BRIGHTEN/DIM command found at the bottom of the Keychain Remote.

Now as you walk up to the front of your home you can transmit an ON command to a Base Transceiver in the home which in turn commands a Lamp Module or Wall Switch Receiver to illuminate your coming home path.

Later when we discuss Whole Home Control using the Computer Interfaces, we will show you how the Keychain Remote can be used to send a single command capable of initializing a Macro (chain of sequenced events).

In reverse, a different command can be a Macro trigger to turn all the selected Lights and Appliances OFF that you choose when going away for the day. A single button can turn off lights, set the HVAC back or OFF, Arm the Security System and even shut the garage door (described later in this section).

