

Relax 3 with Telephone



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Description:

Many consumer products have hand-held remote controls that use a coded infrared transmission to operate the main unit (TV's, DVD's, etc.). Remote controlled devices are in many cases, more convenient to use by people who have physical disabilities; however, the small transmitter unit is often unsuitable for them to use.

The RELAX 3 is a trainable, infrared scanning device which is operated by any TASH single switch.

“Trainable”: The RELAX 3 can *learn* the codes from your own hand held remote control. It is capable of learning and transmitting 30 different control codes for TV's, Converters, VCR's and almost any other equipment operated by infrared transmissions.

“Infrared”: The RELAX 3, once trained, acts as an infrared transmitter.

“Scanner”: Each infrared transmission code is saved at a particular location on the RELAX 3, marked by a label and a red light emitting diode (LED). Once the switch is activated, the RELAX 3 scans through your options at an adjustable speed.

Operating Modes:

The RELAX 3 has two operating modes: one is TRAIN, in which it *learns* the required codes and the other is USE, where it *transmits* the learned codes.

Single Switch Control:

A single switch is needed to operate the RELAX 3 and is plugged into the jack marked S1 or S2 at the side of the display. Either S1 or S2 may be used. A built-in Attendant Switch is located next to the jack for the convenience of an assistant.

Top Group of Green LED's:

PHONE TV VCR AUX X-10

Switch activation at any one of these LED's results in scanning of the bottom group of LED's. The Phone and X-10 locations can not be changed. Although the LED's are identified as TV, VCR, AUX, the RELAX 3 is not restricted to these devices and can be used with most any equipment for which you possess a remote control infrared transmitter.

Bottom Group of Red LED's:

The PHONE code locations cannot be changed. The ten LED's under TV, VCR, and AUX represent the functions you want to control. Examples of functions include volume up, volume down, channel up, channel down, or fast-forward. You may program codes at your desired location and label accordingly. X-10 code locations cannot be changed.

Train Mode:

The RELAX 3 can be trained to reproduce up to 30 codes from a variety of transmitters. Each code can be independently retrained at any time. The PHONE and X-10 codes cannot be trained. They are preprogrammed and locked.

1. Put the RELAX 3 into the TRAIN mode using the Train/Use switch.
2. Place the RELAX 3 and the original remote control transmitter "nose to nose" on a flat surface. The transmitting window of the original remote must be placed against the transmitting window of the RELAX 3.
3. Select an appropriate location on the RELAX 3 display for the code you wish to train by activating the switch. The first switch activation results in scanning of the top group of LED's - hit the switch again to select the desired appliance (TV, VCR, AUX), the RELAX 3 will begin scanning the bottom group of LED's - hit the switch one more time to select the infrared code location.

NOTE: DO NOT select a training location unless you are ready to train, as this causes unnecessary drain on the batteries. You can terminate TRAIN mode by returning the switch to USE - previously learned codes will not be affected. If you change your mind after selecting a location, you must terminate TRAIN mode by switching to USE and then back to TRAIN to start again.

4. Press the button of the desired function on the original transmitter. After a short delay, the RELAX 3 will emit a beep; release the button as soon as you hear the beep. The RELAX 3 has now learned that function and the scanning resumes. When the next desired location lights up, it can be trained in the same manner.

Trouble Shooting in Train Mode:

Due to the variety of different infrared transmission techniques, it may be necessary to modify the training procedure for some devices. If a beep is not produced within one or two seconds of pressing the original transmitter button, release the button and press it again. This second button press should provide the RELAX 3 with the additional information it needs to complete its training and result in a beep. In an unlikely situation that training is still not successful; the RELAX 3 may not be receiving a strong enough signal. Try repositioning the two units and repeating the train routine. Second, replace the batteries in the remote control for the TV or VCR etc. If successful training cannot be accomplished you may have a commercial transmitter that is not compatible with the RELAX 3. To stop training, put the switch back to USE.

If the RELAX 3 detects an error when analyzing the received infrared signal and is unable to “learn” the code, it will emit three short beeps and turn off its LED’s. Try the train routine again.

** When training the RELAX 3, it may take up to 5 seconds.

** Some of the new remotes send two signals. The first is a short burst followed by a second signal. If your remote is not training, hold for a longer time in case your remote is sending two signals.

Use Mode:

1. Plug your Tash switch into the jack marked S1 or S2 at the side of the display.
2. To start the scan, hit the switch. The unit will automatically scan the top group of LED’s.
3. When the device you wish to use is lit, hit the switch again.
4. The unit will then automatically scan the bottom group of LED’s representing the actual infrared transmissions that can be sent. The scan goes from top to bottom, and its speed is adjustable.
5. When the light is at the function that you wish to transmit, hit the switch. The code will be transmitted for as long as the switch is held closed - for example, if the function is “volume up”, the volume will be turned up for as long as you hold the switch down.

NOTE: If the location selected has not been previously trained, the RELAX 3 will emit a continuous tone when you try to transmit.

Use Mode Telephone:

Position the RELAX 3 so that the telephone is within the line of sight. The RELAX 3 will be transmitting infrared signals to the infrared receiver on the telephone.

There are 10 telephone codes already programmed into the Relax 3.

Answer Hang Up Directory Up Down 5 Speed Dials

To **Answer** the phone when it is ringing:

Hit the switch, scan to ANSWER/HANGUP and take your hand off the switch.

To **Hang Up** at the end of a call:

Hit the switch, scan to ANSWER/HANGUP and take your hand off the switch.

To **Dial a Number** from the pre-stored names and numbers in the directory:

Scan to directory. Scan to down. Hold the switch down until the name/number you want to dial appears in the directory window. Take your hand off the switch. Scan to dial and take your hand off the switch.

To **Store Names and Numbers** in the Directory:

You may store up to 40 telephone numbers in the directory. On the front of the phone, press directory, press shift, arrow right, select. Add the name from the letters on the number pad. Add the numbers from the number pad. When the name and numbers have been entered, press shift, save and cancel to save the directory item.

REMEMBER that you are scanning through the names alphabetically. If you want **HELP** or **OPERATOR** first, then precede these names with the letter A. For specific directions on entering a New Directory Item, see page 22 of the SmarTalk User Guide.

To **Speed Dial Pre-stored Numbers**:

Hit the switch, scan to **Speed Dial 1-2-3-4-5** and take your hand off the switch.

To **Store Speed Dial Numbers** in the Directory:

See page 27 in the SmarTalk User Guide, Linking Speed Dial Buttons.

Scan Modes:

When using a single switch, the Relax 3 is in AUTO scan mode.

If you want to do a STEP scan with two switches, the Relax 3 may be modified to allow for a STEP scan. Please contact TASH directly for more information.

If you want to do a HOLD scan, the Relax 3 may be modified to allow for a HOLD scan. Please contact TASH directly for more information.

Scan Speed:

The scanning speed (or time between scan steps) is adjusted by a rotary control accessible through a small hole on the side, below the Train/Use switch. A small screw driver may be placed through the hole and turned clockwise to increase or counter clockwise to decrease the scan speed. Each scan step is accompanied by a short beep. The delay time after the first scan step is longer than the delay after the following scan steps. This makes it easier to select the first location in each group of LED's.

X-10 Control:

There are 10 codes already programmed into the RELAX 3 for X-10 control of small appliances. They are preset at **House Code I**.

IMPORTANT NOTE: To use the X-10 signals, you must have an X-10 Radio Transceiver (TASH #4168), and each appliance you want to control must be plugged into an X-10 module (the modules are chosen specifically for the appliance you want to turn ON/OFF).

The following products are available separately:

- 4167 Remote Chime
- 4168 X-10 Radio Transceiver
- 4160 Lamp Module
- 4162 Appliance Module
- 4164 Wall Switch Module
- 4166 Universal Module

IT IS IMPORTANT THAT YOU READ THE MANUAL THAT COMES WITH THE X-10 RADIO TRANSCEIVER and MODULES FOR CORRECT SET-UP.

Battery Replacement:

The RELAX 3 uses a 9V battery. The 9V battery supplies the main power for its operation. When the battery is low, three very short beeps are produced when the single switch is first pressed. Continued use may result in erratic operation. Replacing the battery will correct the problem. To replace the battery, slide back the cover in the direction of the arrow and remove it. Pull the battery out and snap a new battery onto the connector.



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