

## Weemote® 2 Applications Note *Options For Reliable Channel Changing*

### **INTRODUCTION:**

The Speed Adjustment option described in this document applies only to the weemote® 2. That feature is not available in the standard weemote®. Information regarding the setting of either the “ENTER” or “3-DIGIT” Option applies to either weemote® model.

**IT IS VERY IMPORTANT THAT BEFORE ATTEMPTING TO USE THE SPEED ADJUSTMENT SETTING THAT YOUR WEEMOTE® BE ALREADY COMPLETELY SETUP USING THE QUICKSTART MANUAL SUPPLIED WITH YOUR WEEMOTE®. MAKE THE SPEED ADJUSTMENT SETTING YOUR LAST STEP FOR THE BEST RESULTS.**

### **BACKGROUND:**

The weemote® is a sophisticated device in that when changing channels, it automates the sending of several digits to your TV or Set-Top box. For example, when changing to channel 294, the weemote® sends a series of digits; first the digit 2 followed by the digit 9 and finally the last digit 4. Unfortunately, no standards have been developed on exactly how and more importantly, at what speed these digits need to be sent. Further, some TV’s and/or Set-Tops require additional information be sent in order to either successfully complete channel changing or to do so more quickly. This information is either that “3-Digits” be sent for channels below 100 or that an “ENTER” command is sent. In all cases, for the weemote® to be effective and reliable, we need channel changing to be immediate, with no delay.

Since we could not achieve 100% of coverage with all devices using one standard speed setting, we elected to add a speed adjustment option in our weemote® 2. Our factory setting handles about 95% of the devices we have encountered. Even in those 95% percent of devices we cover, the speed adjustment option can be used to further “tune” the speed to be optimal with your specific model TV and/or Set-Top device. Common symptoms of speed problems are that when changing to specific channel, the first or second digit gets dropped. For example, when changing to channel 57, the TV or Set-Top ends up on channel 5 or 7.

The following options will aid in ensuring the most optimal channel changing settings for your particular TV or Set-Top. Please review these options in the order presented for the best results

### **THE ENTER OPTION:**

Some TV’s or Set-Tops use the “ENTER” command to acknowledge from the remote control that all channel changing digits have been sent. This ending command tells the TV or Set-Top that all digits have been sent and to immediately change channels. The best way to tell if you need this option is to look at your current remote control and see if there is an “ENTER” button. If there is such a button, then try this quick test. Otherwise, go to the next section.

Point your existing remote at the TV or Set-Top and enter in a different channel number than currently displayed without using the ENTER button. Now do the same thing again, entering in a different channel number than currently displayed using the ENTER button. Did you notice any difference in how fast the TV or Set-Top box changed channels? If you noticed that it did change faster using the “ENTER” button, then please enable the Enter option as described in our manual.

**THE 3-DIGIT OPTION:**

Some TV's or Set-Tops require that 3-Digits are always sent to acknowledge from the remote control that all channel changing digits have been sent. This consistent sending of 3-Digits tells the TV or Set-Top that all digits have been sent and to immediately change channels. For example, if you need to enter 007 on your current remote to change to channel 7, then you need to set the 3-Digit option as described in our manual.

**THE SPEED ADJUSTMENT OPTION:**

The following option allows you to speed up or slow down (adjust) the time at which the weemote® 2 sends out the digits after a channel changing button is pressed (Buttons numbered 1-5 and the channel up/down button). By spending some time making the adjustments by using this option, you should be able to find an optimal speed that corresponds to your TV or Set-Top device.

This feature is not documented in our manual because our intention was mainly to use it in customer service applications. It is posted on our web site however for folks who just love to do technical stuff. Consequently, you will not find these adjustment instructions in your manual.

To use this feature, a numerical value from 1 to 50 can be assigned. A value of "1" sends the weemote® 2 channel changing digits at the fastest possible speed while a value of "50" sends the weemote® 2 channel changing digits at the slowest possible speed. The weemote® 2 is factory set at a speed adjustment value of "15".

**NOTE: HOW TO ENTER A CORRECT STARTING VALUE:**

*If your TV or Set-Top box is dropping the first digit of your programmed channel, i.e. example that channel 57 is being received as channel 7, then the weemote® 2 is probably sending out the channel digit information too quickly. In this case, increase the value to about 50. This may be too slow but then you can begin to decrease the value to find the optimal setting. After setting the value, go ahead and press one of the favorite channel buttons to test the new value. You should watch your TV or Set-Top channel information display while making these changes to determine the optimal value.*

*If your TV or Set-Top box is dropping the second digit of your programmed channel, i.e. example that channel 57 is being received as channel 5, then the weemote® 2 is probably sending the information too slowly. In this case, decrease the value to about 5. This may be too fast but then you can begin to increase the value to find the optimal setting. After setting the value, go ahead and press one of the favorite channel buttons to test the new value. You should watch your TV or Set-Top channel information display while making these changes to determine the optimal value.*

To enter a new value, please do the following:

1. Press and hold the FAV button until it begins to flash
2. Press the TV button (The LED should now stay on)
3. Enter a numerical value using the 100, 10 and 1 keys
4. Press the TV button again - The LED should flash three times and then go out

Once you feel you have found the optimal value, please test the channel changing performance several times to make sure. It would also be very helpful if you could report back the value as well as your specific brand and model TV or Set-Top device for our customer service database. Send this information to info@fobis.com.