

# Repeats and Signal Tuning

## 1. What are repeats used for?

- Repeats are the amount of times a command is sent per button click. Mostly all devices that are IR controlled will send several IR Commands each button click. It doesn't matter if you are holding it down or not. Sometimes devices just won't respond to the first command sent and this is why repeats are useful. So that in any case your device is not responding, you have the full control to change the number of commands you want sent each time you press a button.

## 2. Why is it necessary to change the repeat settings for my device?

- It's necessary to change repeats because some devices, in many cases cable/satellite boxes will change channels 2 at a time unless the repeats are not set to the default value & are lower than 3.

*As an example...*

### **“Why are the channels jumping by more than using channel up/down?”**

- *Answer:* Depending on your device, sometimes devices will work better changing the repeats setting. As mentioned above the repeats are default to 3. Now remember, many devices will differ when it comes to how they are controlled. If this is the scenario you find yourself in change the repeats to 1 or 2. Decreasing them will not send the extra commands when you click to change the channel.

### **“Why isn't my device responding at all?”**

- *Answer:* Some devices will not respond at all and it doesn't mean that they contain bad codes; it just means you have to adjust the devices settings to get it working correctly. You should try to increase them as it appears that 3 is not enough to get your device working. Instead try 4 or 5, in the past there has been customers who have set their settings to 8.

### **“Why am I getting double codes?”**

- *Answer:* The reason why you are getting double codes is because your device responds in such a way that it's sending two buttons presses instead of just one. In this case, you should decrease your settings from the default of 3.

## 3. What is signal tuning and why does my device need it?

- Signal tuning helps adjust the frequency (range) of the manufacturer (carrier) wave sending each of the commands. By default each device sends a frequency specified by the manufacturer but in many cases some devices will respond better to different frequencies other than its defaults.

*As an example...*

**“Why is my device only responding to commands when I am really close?”**

- *Answer:* Many android devices are very precise in the frequencies they send, so the devices they control can be more sensitive to differences in the frequency used. Finding the right signal tuning can help you get a more reliably range for your device.

**“What is the optimum signal tuning to use?”**

- *Answer:* Depending on your device, but it's between -40 and +40, but usually not more than past 20 is enough.