

Team Smooth Operators

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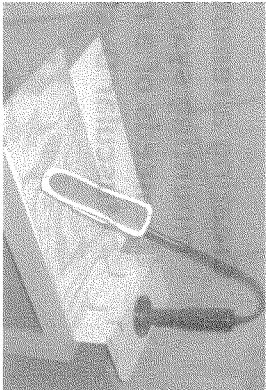
Smooth Operators

Creating a remote control
mounting system to fit
the needs of a man with
Muscular Dystrophy

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Remote Control Mounting System

Background

Our client, Craig Michel, was diagnosed with Muscular Dystrophy at the age of 2 causing him to suffer severe muscle degeneration. He faces adversity in his daily life in even some trivial matters.

In particular, our client has difficulty controlling his entertainment center while lying in bed because he is unable to gain enough leverage to activate the buttons on his remote controls.

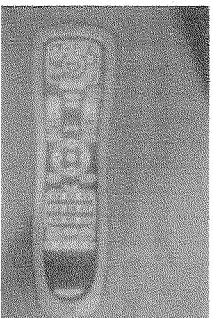
Goal

Our objective is to create an individual remote control system that can easily be used with his entertainment system while lying in bed. The primary goal is to have the remote easily accessible and visible so that our client can independently activate the functions of his remote control.

Solution

Our solution consists of three main components:

- *Base*
- *Indicator Holder*
- *Remote Control*



One-For-All Kameleon URC-9964 Remote Control

Base

The base of the remote control holder is inserted between the box spring and the mattress. Its wide base creates the support for remote control holder while its light weight allows the system to be portable. Additionally, the ledge allows the base to be adapted to bed frames of all types.

Indicator Holder

The flexible indicator holder connects the remote to the base. The holder allows the remote to be adjusted to virtually any position while providing enough resistance to activate its buttons.

Remote Control

The remote is a One-For-All Kameleon URC-9964 Remote Control. The device allows the client to control his television, DVD, and DirectTV systems using a single control panel.