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# INSTALLATION SPOTLIGHT.



**PROJECT**  
ADAPTIVE  
TECHNOLOGIES

**LOCATION**  
ALBUQUERQUE, NM



**To be successful in the  
MDU market, builders and  
developers require repeatable  
systems that enable their  
electrical contractors to  
install in volume with no  
complications. For this  
reason, Adapting Technologies  
went with On Controls.**

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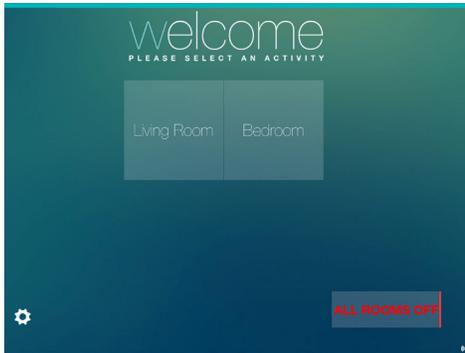
## ABOUT ADAPTING TECHNOLOGIES



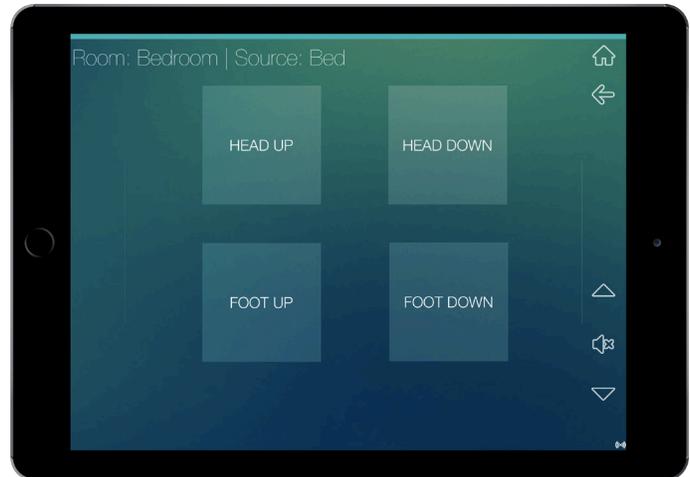
### **Introduction**

Kevin Davis of Adapting Technologies specializes in utilizing automation and other modern advances to improve the quality of life for people with a wide range of disabilities. Device control input is usually more difficult for someone with motor impairment. It is often easier for the user to activate controls with a capacitive touchscreen than by “pressing” a button on physical remotes (cable/satellite receivers, televisions, landline telephones, bed controls, door openers, etc.). Although Mr. Davis has an array of innovative solutions in his toolbox, On Controls is his automation interface of choice when providing phone and/or tablet-based control solutions. “ On Controls is uniquely customizable,” said Davis. “I can create buttons on a phone or tablet that are any size, change colors and backgrounds.

all valuable assets for helping me overcome the specific challenges of each client,” he added. Davis does use the On Controls platform to communicate with traditional audio/video and IoT devices, but more commonly he is building customized interfaces with non-traditional specialized equipment such as door openers/closers, motorized beds (Invacare, Hill-Rom, Stryker) and IR-adapted landline phone systems such as Gigaset. All of this functionality—some wrapped into critical shortcuts and/or macros (multiple sequential commands) goes a long way in improving the quality of life for clients with challenging disabilities.



This image shows the “WELCOME SCREEN” that enables the user to choose any room they wish to control. Notice the large button size and the “ALL ROOMS OFF” feature making it easier for the client to depart from home.

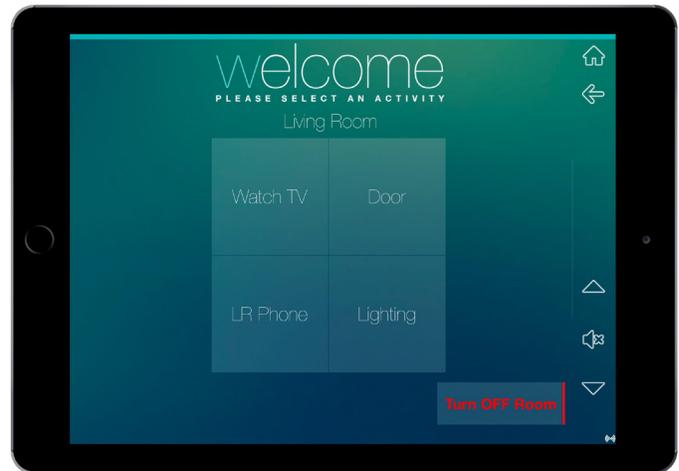


This screen shows control of a motorized bed and illustrates how large buttons can make life easier for someone who finds command input quite challenging. Most bed controls offer head and foot up/down plus other features such as massage.



This screen is a “FAVORITES” page to make TV viewing and access to preferred programming easy for the user.

Typically for interfacing devices such as a motorized bed, I will purchase an extra Infrared remote from the bed manufacturer and use a Wi-Fi to IR interface in order to facilitate communication between On Controls and the device. Control can be adapted for either iOS or Android. It really means the world to my customers when I can restore any degree of independence to them. Again, notice the control drawer on the far right has remained accessible for the user.



This screen shows the view once the user has selected the Living Room. Within the cluster of four large buttons, the “door” button enables the user to activate an automated door opener/closer. This gives the user much desired security and privacy controlled from the iPad.



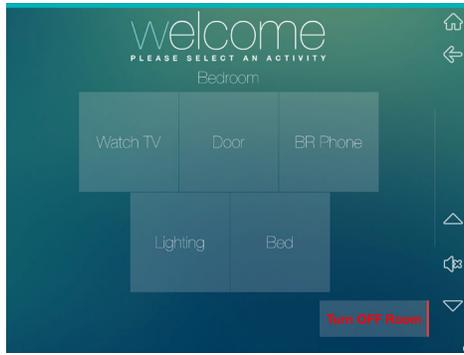
This screen shows control of the satellite receiver in the living room. Each vertical array of control commands are called drawers. Notice that the drawer on the far right for controlling HOME, BACK, VOLUME AND MUTE remain present even as the user changes screens. This gives the user constant access to critical functions across all panels (screens).

Of course it is easiest when the devices I am controlling have been profiled as part of the On Controls Partners in Control (PIC) Program, however one of the reasons I prefer the On Controls platform is the ease with which I can set up custom profiles for unusual devices such as the Open Sesame door products. The “LR PHONE” button enables the user to control a landline phone from their tablet. I use an IR or Wi-Fi gateway to control the landline phone from the On Controls environment.

Often, the phone needs to be affixed close to the user for enhanced clarity. This is important for my clients who do not have the ability to project their voice with authority—this setup gives them clear and reliable communication. The IR gateway also gives the user flexibility to move about the home and answer or make phone calls from other rooms. The “WATCH TV” button activates a macro for TV and video source, while the “LIGHTING” button activates in-room lighting control.



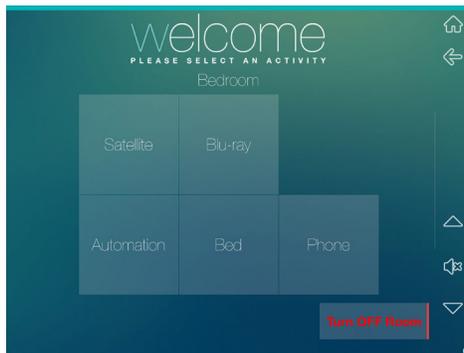
This screen is an example of lighting control for the living room. The user can control lights in the living room as well as other rooms, with some lighting loads being dimmable and some being on/off. The independent switches on the screen can accommodate 2-way or 3-way switching circuits as needed.



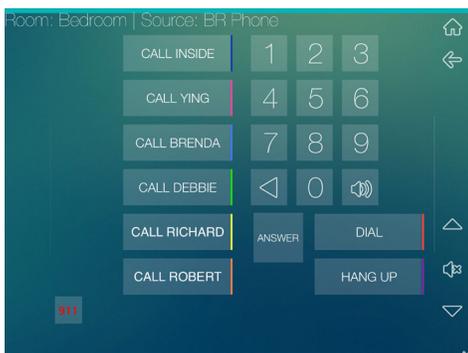
Bedroom control functions (audio/video, phone, lighting, bed, etc.)



This screen gives the user control of the living room door. The challenge here was to give the user a "STAY OPEN" option so they don't have to rush during ingress or egress from the room. The user is able to "park" the door in the open or closed position as well as rely on standard delay times up to about 45-seconds before the door auto-closes.



Bedroom control functions (audio/video, phone, lighting, bed, etc.)



This screen gives the user control of the bedroom landline telephone neatly equipped with "PRESET" buttons for frequently called numbers, "ANSWER," "DIAL" and "HANG-UP" buttons. The user can call all handsets (functions as room-to-room intercom) associated with the base phone and trigger a distinctive ring so that the person on the receiving end knows who is calling. This screen also contains a "911" option in case of emergency.



This is iPhone control of front and rear doors. The main (inside) door and security (outside) doors can be opened/closed and locked/unlocked from the iPhone screen. This gives the user an enhanced sense of security while inside their home.

## About On Controls

On Controls is a software-based control and automation solution that leverages the power of the cloud to provide integrators with a customizable and scalable control solution as equally suited to residential installations of any size as it is for commercial and enterprise applications. The versatility and value proposition of the On Controls platform gives integrators the tools to deliver what consumers are asking for the luxury, convenience, efficiency and security of the connected environment tailored specifically to their exact needs.

By being a hardware-agnostic software-based platform, On Controls empowers the integrator, shining a favorable light on their expertise, creativity and especially the value of a skilled IoT service provider.

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## iPhone Horizontal



This screen shows the same functionality as in iPhone 1 but with LANDSCAPE orientation



This screen shows iPhone control of motorized bed, with screen configured in LANDSCAPE mode.

