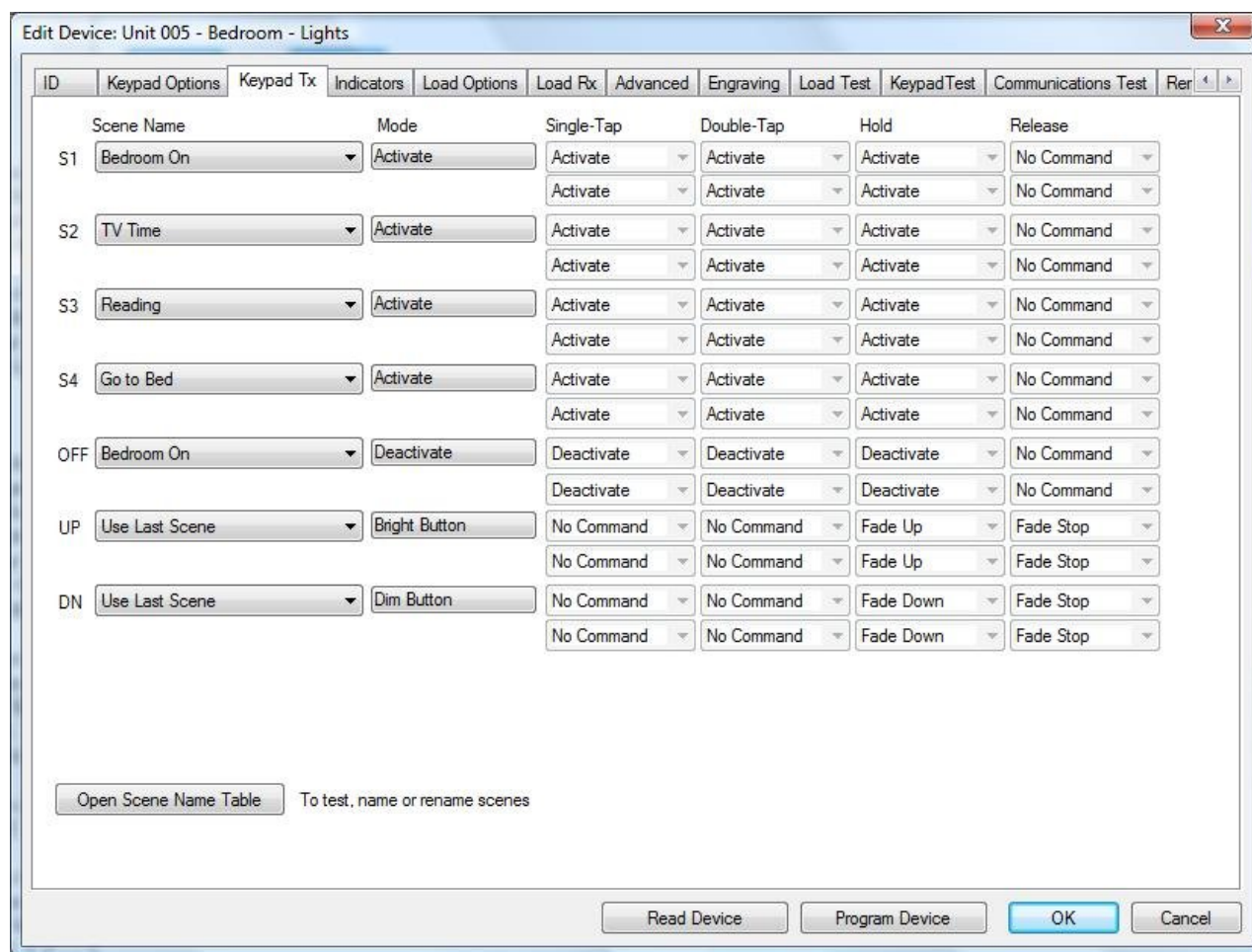


## KPC7 button configuration

Configuring the KPC7 takes a number of steps: configuring what actions the buttons take when they are pressed and configuring how the LED indicators respond. This tip covers the button actions and the next tip covers the indicators.

The button actions on the KPC7, KPLD7 and KPLR7 when pressed are configured in the same manner. Edit the device and choose the "Keypad Tx" – for Keypad Transmit – tab:



ID	Scene Name	Mode	Single-Tap	Double-Tap	Hold	Release
S1	Bedroom On	Activate	Activate	Activate	Activate	No Command
S2	TV Time	Activate	Activate	Activate	Activate	No Command
S3	Reading	Activate	Activate	Activate	Activate	No Command
S4	Go to Bed	Activate	Activate	Activate	Activate	No Command
OFF	Bedroom On	Deactivate	Deactivate	Deactivate	Deactivate	No Command
UP	Use Last Scene	Bright Button	No Command	No Command	Fade Up	Fade Stop
DN	Use Last Scene	Dim Button	No Command	No Command	Fade Down	Fade Stop

Open Scene Name Table To test, name or rename scenes

Read Device Program Device OK Cancel

Keypads are often used in two main configurations – as a *room controller* or as a *house controller*. While these are not the only way keypads can be used you may find that most of the keypads you configure are one or the other. Also, it may help that you try to configure keypads in this manner – makes it easier for users to get familiar with an installation if it is reoccurring.



# App Note 102

In a *room controller*, each button controls the same set of devices. For example, lights in a room that can be on, off, or at three different levels. This is an example of that configuration.

Note that the top button and the 5<sup>th</sup> button control the same scene. This provides an ON and OFF capability. The other three buttons control different scenes that affect the same devices as the ON and OFF buttons do. The key feature of a room controller is that one of the scenes is the "current" scene. In this example the current scene for the room is either "Bedroom On", "TV Time", "Reading", or "Go to Bed". In the case of "Bedroom On" that scene may be the current scene but it may not be active.

	Scene Name	Mode
S1	Bedroom On	Activate
S2	TV Time	Activate
S3	Reading	Activate
S4	Go to Bed	Activate
OFF	Bedroom On	Deactivate
UP	Use Last Scene	Bright Button
DN	Use Last Scene	Dim Button

In a *house controller*, each button controls a different scene and one scene usually has no effect on another scene. In this example the five scenes control different devices. Note how each button toggles – you press the button to activate the scene and press it again to deactivate.

	Scene Name	Mode
S1	Path Lights	Toggle Button
S2	Deck Lights	Toggle Button
S3	Late Night	Toggle Button
S4	TV Time	Toggle Button
OFF	Circ Pump	Toggle Button
UP	Use Last Scene	Bright Button
DN	Use Last Scene	Dim Button



# App Note 102

In the above examples note the second column of buttons headed by "mode." All PulseWorx keypads have actions associated with these four actions: single-tap, double-tap, hold, and release. As a shorthand way of specifying those four actions, UPStart has a number of "button modes" to choose from. When you press the "mode" button a popup dialog shows all the modes and you can choose one.

But there is no need to limit yourself to just the modes that UPStart shows when configuring a button. You can choose the mode as "custom." When you do that you then can choose the individual actions for single-click, double-click, hold, and release. As an example, see how this button is configured.

S4	TV Time	Custom Button	Slow On	Snap On	Fade Down	Fade Stop
			Slow Off	Snap Off	Fade Down	Fade Stop

The button is configured that when pressed the devices associated with the scene "TV Time" go on slowly. When double-clicked the devices go off instantly. When the button is held the devices dim until the button is released. And if the button is "on," then pressing it controls the devices off rather than on.

When configuring the KPC7, associated with the button actions are what happens to the button indicators – the LED for each button. That will be covered in the next tech tip.