

## SR 3 Auto Modes Tutorial

### Concepts Presented in this Example

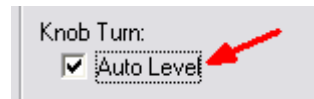
- Using SR Configurator and Drag Net software applications to configure the various auto modes available within the SR 3 Smart Remotes for use with Rane RPM products.
- Description of various auto modes: Auto Lock, Auto Title Page, Auto Level, Auto Page

## Adjusting Levels

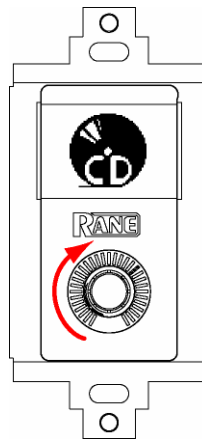
To adjust a Level block (or blocks) associated with one or more Smart Remotes:

### SR Configurator Settings

Enable Auto Level mode.



### User Action



Rotate the encoder knob (in its normal "out" position) to adjust Level.

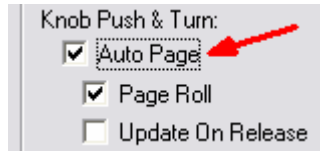


## Recalling Presets – Method #1 - Push & Turn

To recall Presets within the RPM using Push & Turn mode:

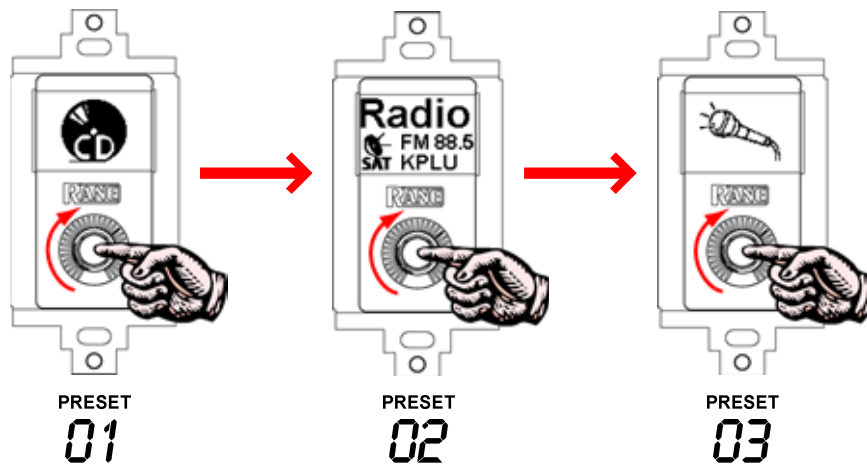
### SR Configurator Settings

Enable Knob Push & Turn Auto Page mode. Page Roll mode can be enabled or disabled as desired.



### User Action

Push and turn the encoder knob while holding it in to move through the remote's LCD pages. The Preset associated with each page is automatically recalled *each time a new page is displayed*. This may or may not be the desired action – for example, when moving from page one to page four, you will hear the effect of the intermediate page two and page three selections. Not quite what you need? Keep reading...



Push and turn.	Next page is displayed and Preset is immediately recalled.	...and so on...
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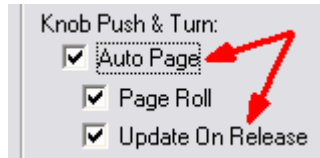


## Recalling Presets – Method #2 - Push & Turn, Update on Release

To recall Presets within the RPM using Push & Turn, Update on Release mode:

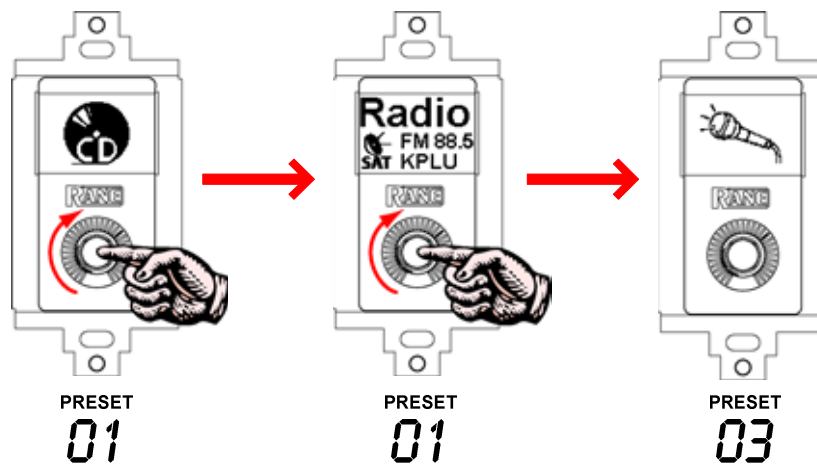
### SR Configurator Settings

1. Enable Knob Push & Turn's Auto Page mode. Enable or disable Page Roll mode, as desired.
2. Enable Update on Release.



### User Action

Push and turn the encoder knob to move through the remote's LCD pages. Pages can be "previewed" while pushing and turning - a Preset is only recalled *once the encoder knob is released*.



Push and turn.	Next Page is displayed, but its associated Preset is NOT automatically recalled.	Preset is automatically recalled when the encoder knob is released.
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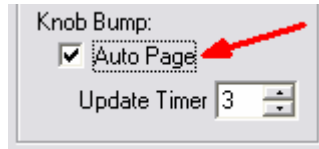


## Recalling Presets – Method #3 - Push & Release (Bump)

To recall Presets within the RPM using bump mode:

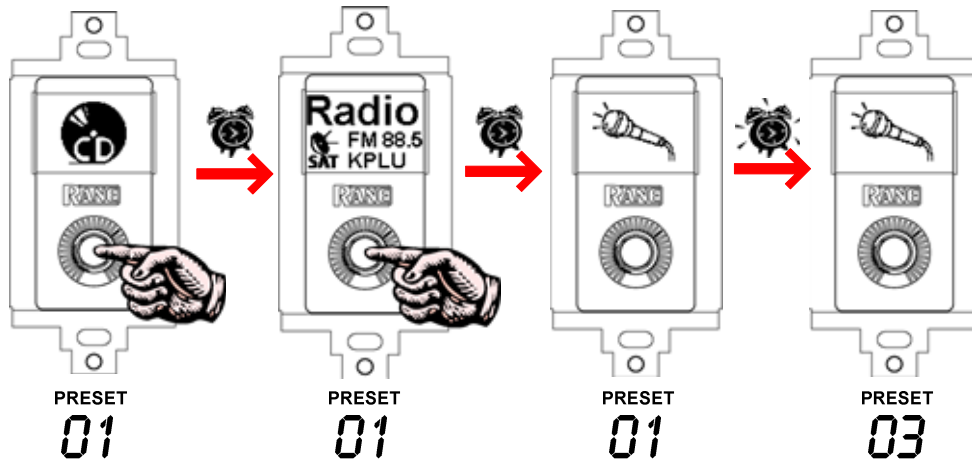
### SR Configurator Settings

Enable Knob Bump's Auto Page mode. Adjust the Update Timer to allow users a few seconds to preview pages before settling on a selection. One to three seconds between encoder presses is usually adequate.



### User Action

Push and release the encoder knob (don't turn) to move through the remote's LCD pages. The Preset associated with the currently selected page is automatically recalled once the Update Timer expires.



<p>Push and release to display next page.</p>	<p>Pushing and releasing again before Update Timer expires moves to the next page without recalling a Preset.</p>	<p>Preset is automatically recalled once Update Timer expires.</p>
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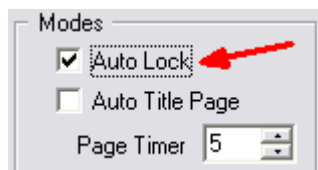
## Auto Modes in Depth

*Note:* auto modes are NOT mutually exclusive. Any or all modes can be used in any combination.

### Auto Lock

**Auto Lock** must be enabled (checked) if the remote is to be locked and unlocked using an external key switch or other control mechanism.

As an alternative to using a key switch, the VOP (logic output) of the RPM can be used to automatically lock and unlock remotes with Presets. Example: in Preset one all remotes distributed throughout a large room are active; in Preset two only a single “master remote” is active – all other remotes (which have their encoder lock wired to the RPM’s VOP) are automatically disabled.

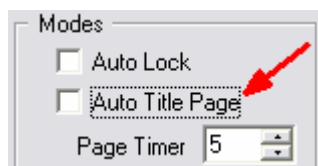


■ Figure 1 Auto Lock Mode.

Factory Default	
<b>Auto Lock</b>	ENABLED

### Auto Title Page

Enable **Auto Title Page** and adjust the **Page Timer** value to set how long the remote waits between actions before reverting to the Title Page (Page 0). The Title Page is the perfect place to display a company logo, a venue’s name or logo, or instructions for the end user (“Push and Turn to Select Source”, for example).



■ Figure 2 Auto Title Page Mode.

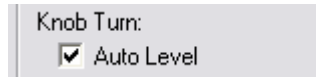
Factory Default	
<b>Auto Title Page</b>	DISABLED
<b>Page Timer</b>	5 seconds

### Knob Turn

#### Auto Level

**Auto Level** must be enabled (checked) if the SR is adjusting one or more Levels within the RPM’s device configuration. The RPM, acting as the Host, will neither acknowledge a Level change nor update the remote’s LED unless this setting is enabled.





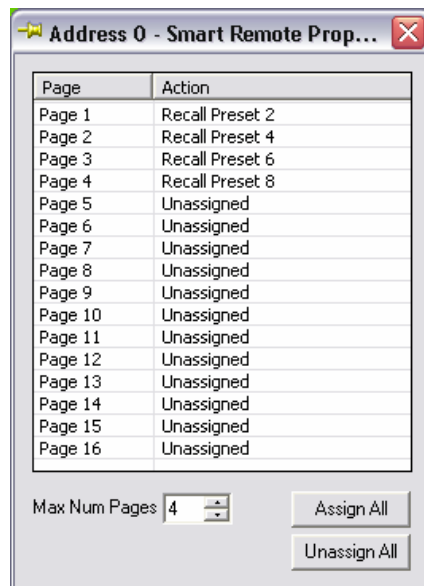
Factory Default	
Auto Level	ENABLED

- Figure 3 Knob Turn Mode.

## Knob Push & Turn

### Auto Page

**Auto Page** must be enabled (checked) if the SR 3 is being used to recall Presets within the RPM. Each page of the SR 3 can be mapped to recall a specific Preset within the RPM. Within Drag Net, double-click on a Smart Remote block on the Remote Map to customize the Page to Preset mapping.



- Figure 4 The Smart Remote Properties dialog (Remote Map) is used to customize the Page to Preset Mapping.

### Page Roll

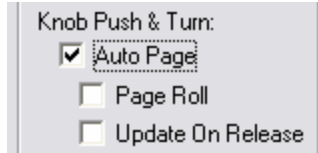
Enabling **Page Roll** causes pages to automatically wrap when the upper or lower page limit is reached. If **Page Roll** is disabled, the remote stops incrementing or decrementing the Page display when either limit is reached, requiring the user to rotate the encoder knob in the opposite direction. The upper page limit is set by the **Max Num Pages** parameter, located in the LCD Display section of SR Configurator. The lower page limit is always Page 1.

### Update On Release

Enabling **Update On Release** allows a user to scroll through and preview pages without recalling Presets, as long as the encoder knob is held in while being turned; the Preset associated with the currently selected LCD page is only recalled once the encoder knob is released.



Example: Three Presets are used to do source selection within an RPM 44. Preset 1 selects Source 1, Preset 2 selects Source 2, Preset 3 selects Source 3. If **Update On Release** is disabled, using the SR 3 to change from Source 1 (Preset 1) to Source 3 (Preset 3) causes Source 2 to be heard momentarily because Preset 2 is recalled automatically when transitioning from Page 1 to Page 3. Enabling **Update On Release** allows the user to move through or “preview” pages without automatically recalling Presets. When the desired Page is reached the user simply releases the encoder to recall the associated Preset.



Factory Default	
<b>Auto Page</b>	ENABLED
<b>Page Roll</b>	DISABLED
<b>Update on Release</b>	DISABLED

■ Figure 5 Knob Push & Turn Mode.

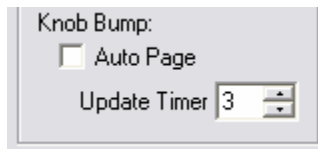
## Knob Bump

### Auto Page

Enabling **Auto Page** allows the user to “bump” through pages simply by pushing and releasing the encoder knob, rather than by pushing and turning. The Preset associated with the currently selected LCD page is only recalled after the **Update Timer** expires. The Page display is incremented with each push/release combination, and automatically wraps to Page 1 when the upper page limit, set by **Max Num Pages**, is exceeded.

### Update Timer

Adjusting the **Update Timer** sets how long the remote waits to send a Preset recall command to the RPM once the encoder knob has been released. Setting this value to 0 recalls Presets instantly, with each press/release combination. Increasing this value to several seconds allows a user to scroll through and preview pages without inadvertently recalling the wrong Preset.



Factory Default	
<b>Auto Page</b>	DISABLED
<b>Update Timer</b>	3 seconds

■ Figure 6 Knob Bump Mode.

