

# Technical Service Bulletin - #181211

Dec 11, 2018

## RKB series - Version 3.01 Software Release

The RKB series software has been updated to Version 3.01. This release includes several improvements . Release details are listed below.

### Release Type

Maintenance	Major	Critical
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### Software Information

New Version	V3.01
Previous Version	V2.45

### RKB-850

#### Serial Number (Change will be effective in units starts with the serial numbers listed below.)

Black	230-837-1001
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### RKB-D850

#### Serial Number (Change will be effective in units starts with the serial numbers listed below.)

Discontinued - Not supported	
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### RKB-8100

#### Serial Number (Change will be effective in units starts with the serial numbers listed below.)

Black	231-826-1001
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### RKB-D8100

#### Serial Number (Change will be effective in units starts with the serial numbers listed below.)

Black	233-843-1001
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### Release Notes

- Implemented Faulty LED Indication to indicate the following errors:
  1. Thermal protection - In this case, the Power led would blink one second per time.
  2. Faulty amplifier module - In this case, the Power led would blink one second per time and the led on the faulty amplifier module would be illuminated in red.
  3. Faulty SMPS module - In the case, the Power led would blink three seconds per time.

- Implemented Independent Channel Error Fault Control. In the event there is a fault in the attached speaker, cabling or amplifier module only that channel will be power off. The remaining channels will continue to function without interruption.

*Note:*

- 1. The referred improvements will be valid when the software is working with RKB series V03 hardware or above. You can identify the hardware version by reading the version info on the bottom right corner of back panel of a unit.*
- 2. This software is backward compatible with all RKB models including V01 and V02.*

*For more information or questions please contact your customer service representative.*

*-- End --*

## Software Release Notes

The following document contains details of the software updates for the RKB-850, RKB-8100, RKB-D850 and RKB-D8100.

### Key:

New Feature

Feature Change

Bug Fix – Critical

Bug Fix – Minor

### V2.43 to V2.45

October 20, 2016

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- **New Feature:** Added new RS232 commands "input\_sel\_digital" and "input\_sel\_analog" to allow manually selecting either analog or optical input source for all channels or individual channels (RKB-D850 and RKB-D8100 only).
- **New Feature:** Added new RS232 command "input\_sel\_auto" to set unit to automatically select optical input as the first priority source when a digital signal is available, otherwise select analog. This is the default input selection behavior of the unit unless changed via the new "input\_sel\_digital" or "input\_sel\_auto" commands (RKB-D850 and RKB-D8100 only).
- **New Feature:** Added new RS232 command "get\_input\_sel\_mode" to get current mode for input source selection (RKB-D850 and RKB-D8100 only).

### V1.31 to V2.43

October 8, 2014

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- **New Feature:** Added support for analog and digital Signal Sense mode – requires either a V02 unit or an upgraded V01 units to add Signal Sense hardware. Signal sense time delay is 10 minutes.
- **Bug Fix (Minor) (RKB-D850/8100 only):** Fixed a compatibility issue that could result in no audio when connected via Optical digital with some source devices.
- **Feature Change:** When unit is in Standby or signal sensing Sleep mode the front panel LED will now dim to 10% of its original brightness to indicate this.
- **Feature Change:** Optimized temperature threshold level for internal fan modes.
  - *Low speed will engage when temperatures exceed 45° C.*
  - *High speed will engage when temperatures exceed 60° C and will revert back to Low speed once temperature drops below 50° C.*
  - *The fan will turn off completely at temperatures below 40° C.*
- **Feature Change:** Disabled the RS232 commands for Power On/Off and Channel On/Off when in Signal Sense mode.
- **Feature Change:** Modified the RS232 response of the "get\_current\_power" and "get\_channel\_status" commands when in Signal Sensing mode.
  - *Unit will respond to "get\_current\_power" command with "power=SignalSensingMode!" when unit is set to Signal Sense.*
  - *Unit will respond to "get\_channel\_status" command with "ch\_power=amp\_on!" or "ch\_power=amp\_off!" when unit is set to Signal Sense.*

- **New Feature:** Added RS232 commands for Mute, Volume, and Balance controls. Please refer to the RS232 protocol document for details.
- **Feature Change:** Set the default volume value from 45 to 0 for all channels when the front panel trim pots are all set to minimum, to avoid volume jumping when enabling RS232 volume control.