

Partner: Bose
Model: Lifestyle 235
Device Type: AV Receiver



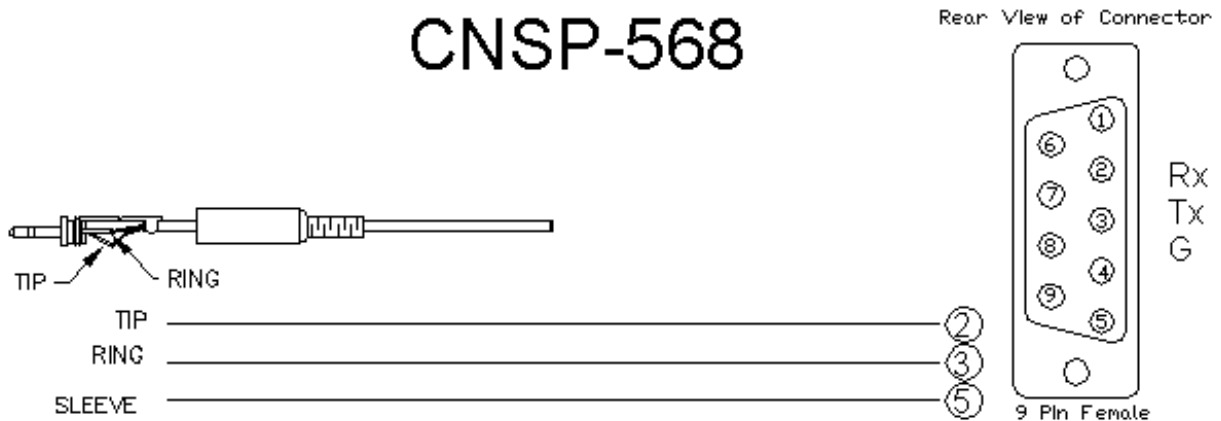
GENERAL INFORMATION

SIMPLWINDOWS NAME:	Bose Lifestyle 235 v1.1
CATEGORY:	Receiver/Processor
VERSION:	1.1
SUMMARY:	Controls power, volume, input select via RS-232.
GENERAL NOTES:	<p>This module will control all available functions on a Bose Lifestyle 235 AV receiver. power on/off, volume adjust/mute and input select are included. True feedback is provided for power state, input selected, and volume status.</p> <p>Please be sure that the Bose Acoustimass bass module is connected to the Bose unit. If not, the Unify Menus source feedback will be highlighted and no control will be available.</p> <p>The module will poll unit for its status every 30s, so if any changes are initiated locally on the Bose unit using the Bose RF remote, changes may not be reflected in the module for a max time of 30s.</p> <p>This module was tested with the Bose Lifestyle 235. Bose uses the same protocol on most of their receivers. This module should also work on the following model(s):</p> <ul style="list-style-type: none"> • Lifestyle T10 • Lifestyle T20 • Lifestyle V25 • Lifestyle V35 • VideoWave <p>If expansion Bose amplifiers are being used (SA-2 or SA-3), their room name settings must match the room being controlled in the module.</p>
CRESTRON HARDWARE REQUIRED:	2-Series Processor, C2COM3, 3-Series Processor
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 19200 Parity: None Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	v01.07.00
VENDOR SETUP:	N/A
CABLE DIAGRAM:	CNSP-568

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CNSP-568



CONTROL:

Main_Power_<On/Off/Toggle>	D	Pulse to turn main power on or off.
Main_Volume_<Up/Down>	D	Press to adjust volume level.
Main_Mute_Toggle	D	Pulse to turn mute on or off.
Main_Mute_All	D	Pulse to turn mute on or off for all rooms.
Main_Input_Cycle	D	Pulse to cycle through available sources.
Main_Input_*	D	Pulse to select input.
Main_Keypad_<0-9/Dash>	D	Pulse to simulate hardkey presses.
Tuner_KP_<0-9>	D	Pulse to select desired tuner frequency.
Tuner_KP_Clear	D	Pulse to clear desired tuner frequency text field.
Tuner_KP_Enter	D	Pulse to enter desired tuner frequency.
Main_Channel_Preset_<Up/Down>	D	Pulse to select next or previous available channel/preset.
Main_Last_Channel	D	Pulse to select the previously selected channel/preset.
Main_Menu_Enter	D	Pulse to enter/exit menu or make selection.

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Main_Arrow_<Up/Down/Left/Right>	D	Pulse to navigate through menus.
Main_Exit	D	Pulse to navigate through menus or cancel selection.
Main_Page_<Up/Down>	D	Pulse to select page up or page down on USB or iPod list.
Main_Info	D	Pulse to simulate the INFO key on room remote.
Main_More_Buttons	D	Pulse to display more available functions in menu.
Main_DVD_Menu	D	Pulse to select DVD menu. May do other functions based on input selected.
Main_Play	D	Pulse to select play function.
Main_Stop	D	Pulse to select stop function.
Main_Pause	D	Pulse to select pause function.
Main_Reverse	D	Pulse to select reverse function.
Main_Forward	D	Pulse to select forward function.
Main_Quick_Replay	D	Pulse to select quick replay function.
Main_Quick_Skip	D	Pulse to select quick skip function.
Main_Shuffle	D	Pulse to select shuffle function.
Main_Record	D	Pulse to select record function.
Main_System_Setup	D	Pulse to display system startup menu.
Main_Aspect_Ratio	D	Pulse to select main aspect ratio options.
Main_Touch	D	Pulse to display click pad for selecting soft keys.
Room_<B-O> Power_Toggle	D	Pulse to turn specific room power on or off.
Room_<B-O> Volume_<Up/Down>	D	Press to adjust specific room volume level.
Room_<B-O> Mute_Toggle	D	Pulse to turn specific room mute on or off.
Room_<B-O> Input_*	D	Pulse to select input for specific room.
Room_<B-O> Party	D	Pulse to select main room's source for specific room.
Room_<B-O> Input_iPod_Other	D	Pulse to select iPod or untyped sources for specific room.

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Room_<B-O>_Local_Source	D	Pulse to select local source input for specific room.
Room_<B-O>_Tuner_Source	D	Pulse to select am or fm input for specific room.
Room_<B-O>_Number_<0-9>	D	Pulse to enter numeric input for specific room.
Room_<B-O>_Channel_Preset_<Up/Down>	D	Pulse to change channel preset from specific room.
Room_<B-O>_Last_Channel	D	Pulse to select the previous channel from specific room.
Room_<B-O>_DVD_Menu	D	Pulse to select the dvd menu from specific room.
Room_<B-O>_Play	D	Pulse to select play function from specific room.
Room_<B-O>_Stop	D	Pulse to select stop function from specific room.
Room_<B-O>_Pause	D	Pulse to select pause function from specific room.
Room_<B-O>_Disc	D	Pulse to select disc function from specific room.
Room_<B-O>_Fast_Reverse	D	Pulse to select fast reverse function from specific room.
Room_<B-O>_Fast_Forward	D	Pulse to select fast forward function from specific room.
Room_<B-O>_Quick_Replay	D	Pulse to select seek down if tuner source. If viewing images, will select the previous one. From specific room.
Room_<B-O>_Quick_Skip	D	Pulse to select seek up if tuner source. If viewing images, will select the next one. From specific room.
Room_<B-O>_Shuffle	D	Pulse to enable/disable shuffle mode from specific room.
Room_<B-O>_Page_<Up/Down>	D	Pulse to select page up on iPod or USB list from specific room.
Room_<B-O>_All_Off	D	Pulse to turn all rooms off from specific room.
Room_<B-O>_Mute_All	D	Pulse to mute or unmute all rooms from specific room.
Room_<B-O>_Attenuate_Disable	D	Latch high if not using an SA-2 or SA-3 for specific room. This affects the volume reporting (100 to 0 vs 0 to 100).
From_Device	S	Serial information returned from device via a 2-way com port.

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FEEDBACK:

Main_Power_Is_<On/Off>	D	Indicates the main zone power status.
Main_Volume_Gauge	D	Indicates the zone 2 power is status.
Main_Mute_Is_On	D	Indicates the zone 3 power is status.
Main_Input_Is_*	D	Indicates the main zone volume level. For a gauge object on touchpanel.
Tuner_Frequency_Text	S	Indicates the main zone mute status.
Tuner_Preset_Text	S	Indicates the zone 2 volume level. For a gauge object on touchpanel.
RDS_Station_Text	S	Indicates the zone 2 mute status.
RDS_Program_Text	S	Indicates the currently selected main zone input.
Version_Text	S	Indicates the currently selected zone 2 input.
Zone_2_Power_Is_<On/Off>	D	Indicates that zone 2 power is on or off. This zone 2 is shared by all extra rooms.
Zone_2_Input_*	D	Indicates that the current input for zone 2 is TV. This zone 2 is shared by all extra rooms.
Room_<B-O>_Volume_Gauge	A	Provides the specific room volume level for a gauge object.
Room_<B-O>_Volume_Value	A	Provides the specific room volume value (0d-100d).
Room_<B-O>_Mute_Is_On	D	Indicates that specific room mute is on.
Room_<B-O>_Speaker_<Is/Is_Not>_Connected	D	Indicates that the specific room speaker is connected or not connected.
Room_<B-O>_Speaker_Is_Zone_1	D	Indicates that the specific room system is set to the input that the main room (zone 1) is set to.
Room_<B-O>_Speaker_Is_Zone_2	D	Indicates that the specific room system is set to the input that the secondary rooms (zone 2) is set to.
Room_<B-O>_Speaker_Is_Local_Source	D	Indicates that the specific room system is set to the local source input.
Room_<B-O>_Speaker_Is_Off	D	Indicates test that the specific room system is off.
To_Device	S	Serial information sent to device via a 2-way com port.

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**PARAMETERS:**

Tuner Region	P	Select the tuner region that will be used.
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TESTING:

OPS USED FOR TESTING:	2-Series: v4.007.0004 3-Series: v1.005.0007
SIMPL WINDOWS USED FOR TESTING:	v3.11.15
DEVICE DB USED FOR TESTING:	v45.00.019.00
CRES DB USED FOR TESTING:	v33.05.005.01
SYMBOL LIBRARY USED FOR TESTING:	v828
SAMPLE PROGRAM:	Bose Lifestyle 235 v1.1 Demo PRO2.smw
REVISION HISTORY:	v1.0 – Original release. v1.1 – Added support for expansion amplifiers via BoseLink.