CRESTRON

Partner: Yamaha
Model: RX-A3010
Device Type: Surround Sound Receiver

GENERAL INFORMATION

SIMPLWINDOWS NAME:	Yamaha RX-A3010 IP v1.1
CATEGORY:	Receivers / Processors
VERSION:	1.1
SUMMARY:	Controls all standard functions and provides true feedback
GENERAL NOTES:	This module will control all Basic functions of the receiver. At start up the module will poll for feedback for functions, during which time the "Receiver Is Initializing feedback will remain high.
CRESTRON HARDWARE REQUIRED:	2 Series Crestron Processor With Ethernet Port
SETUP OF CRESTRON HARDWARE:	N/A
VENDOR FIRMWARE:	Release version
VENDOR SETUP:	All Internet Services require a login account to be entered into the setup screens of the receivers OSD in order to operate. Latest firmware for the receiver is required.
CABLE DIAGRAM:	N/A

CONTROL:		
Connect	D	Hold high to connect to the receiver.
System_Power_On	D	Turns on Receivers System Power
System_Standby	D	Puts the entire receiver into standby
System_Party_On	D	Turns the party mode on

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CONTROL:		
System_Party_Off	D	Turns the party mode off
System_Party_Vol_Up	D	Ramps the volume up on all zones
System_Party_Vol_Down	D	Ramps all the zones volume down
System_Party_Mute_On	D	Mutes all audio zones
System_Party_Mute_Off	D	Turns the mute off on all zones
Main_HDMI_Output_Off	D	Shuts off the HDMI output
Main_HDMI_Output_1	D	Routes the selected input to HDMI Out 1 Only
Main_HDMI_Output_2	D	Routes the current input to HDMI Out 2 only
Main_HDMI_Output_1+2	D	Routes the selected input to HDMI Outs 1&2 At The Same Time
Main_HDMI_Processor_On	D	Turns on the HDMI processing
Main_HDMI_Processor_Off	D	Turns off the HDMI processing
Main_HDMI_Aspect_Through	D	Changes the HDMI output aspect ratio to Through
Main_HDMI_Aspect_16x9_Normal	D	Changes the HDMI output aspect ratio to 16x9 Normal
Main_HDMI_Aspect_Smart_Zoom	D	Changes the HDMI output aspect ratio to Smart Zoom
Main_HDMI_Resolution_Auto	D	Changes the HDMI resolution to Auto
Main_HDMI_Resolution_480p_/_576p	D	Changes the HDMI resolution to 480p / 576p
Main_HDMI_Resolution_720p	D	Changes the HDMI resolution to 720p
Main_HDMI_Resolution_1080i	D	Changes the HDMI resolution to 1080i
Main_HDMI_Resolution_1080p	D	Changes the HDMI resolution to 1080p

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CONTROL:		
Main_HDMI_Resolution_Through	D	Changes the HDMI resolution to through
Main_Power_On	D	Turns the main zone power on
Main_Standby	D	Puts the main zone onto standby
Main_Sleep_Off	D	Turns the main zone sleep timer off
Main_Sleep_120_Minutes	D	Turns the main zone sleep timer to 120min
Main_Sleep_90_Minutes	D	Turns the main zone sleep timer to 90min
Main_Sleep_60_Minutes	D	Turns the main zone sleep timer to 60min
Main_Sleep_30_Minutes	D	Turns the main zone sleep timer to 30min
Main_Volume_Up	D	Ramp the volume up for the main zone
Main_Volume_Down	D	Ramp the volume down for the main zone
Main_Initial_Volume_Mode_On	D	Turns on the main zones initial volume mode
Main_Initial_Volume_Mode_Off	D	Turns off the main zones initial volume mode
Main_Mute_On/Off	D	Toggles the main zones mute on and off
Main_Mute_On	D	Turns the main zones mute on
Main_Mute_Off	D	Turns the main zones mute off
Main_input_ *	D	Sets the main zone to the * Input
Main_Scene1 *	D	Triggers scene * for the main zone
Main_Input_Audio_Type_Auto	D	Sets the main zone audio input type to auto
Main_Input_Audio_Type_HDMI	D	Sets the main zone audio input type to HDMI

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Main_Input_Audio_Type_Coax/Optical	D	Sets the main zone input audio type to Coax / Optical
Main_Input_Audio_Analog	D	Sets the main zone input audio type to Analog
Main_Decoder_Auto	D	Sets the main decoder to auto mode
Main_Decoder_DTS	D	Sets the main decoder to dts mode
Main_Pure_Diect_Mode_On	D	Sets the main zone pure direct mode on
Main_Pure_Direct_Mode_Off	D	Sets the main zone pure direct mode off
Main_Adaptive_Dynamic_Range_Auto	D	Sets the main zone dynamic range auto
Main_Adaptive_Dynamic_Range_Off	D	Sets the main zone dynamic range off
Main_Lip_Sync_Mode_Manual	D	Sets the main zone lip sync mode manual
Main_Lip_Sync_Mode_Auto	D	Sets the main zone lip sync mode auto
Main_Straight_Mode_On	D	Sets the main zone straight mode on
Main_Straight_Mode_Off	D	Sets the main zone straight mode off
Main_Sound_Program_*	D	Changes the main sound program to *
Main_Adaptive_DSP_Auto	D	Sets the adaptive DSP mode to auto
Main_Adaptive_DSP_Off	D	Sets the adaptive DSP mode to Off
Main_3D_Cinema_Auto	D	Set the 3D Cinema mode to auto
Main_3D_Cinema_Off	D	Set the 3D Cinema mode to off
Main_EX_Decoder_Mode *	D	Sets the ex decoder mode to off
Main_2_Channel_Decoder *	D	Sets the 2 channel decoder to *

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CONTROL:		
Main_Enhancer_On	D	Turns on the enhancer mode on
Main_Enhancer_Off	D	Turns on the enhancer mode off
Zone*_Power_On	D	Turns the power on for zone *
Zone*_Standby	D	Turns the power off for zone *
Zone*_Sleep_Off	D	Sets the zone * sleep timer to off
Zone*_Sleep_ Sleep_120_Minutes	D	Sets the zone * sleep timer to 120 min
Zone*_ Sleep_90_Minutes	D	Sets the zone * sleep timer to 90 min
Zone*_ Sleep_60_Minutes	D	Sets the zone * sleep timer to 60 min
Zone*_ Sleep_30_Minutes	D	Sets the zone * sleep timer to 30 min
Zone*_ Volume_Up	D	Ramps the volume up for zone *
Zone*_ Volume_Down	D	Ramps the volume down for zone *
Zone*_ Volume_Fixed	D	Sets the output for zone * to a fixed level
Zone*_ Volume_Variable	D	Sets the output for zone * to a variable level
Zone*_ Initial_Volume_Mode_On	D	Sets the initial volume level mode on for zone *
Zone*_ Initial_Volume_Mode_Off	D	Sets the initial volume level mode off for zone *
Zone*_ Mute_On/Off	D	Toggle the zone * mute on and off
Zone*_ Mute_On	D	Mutes the output for zone *
Zone*_ Mute_Off	D	Un mutes the output for zone *
Zone*_input *	D	Set zone * to the * input

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CONTROL:		
Zone*_Scene *	D	Triggers scene * for zone *
Tuner_FM_Band	D	Sets the Tuner to the fm band
Tuner_AM_Band	D	Sets the Tuner to the am band
Tuner_Preset_Mode_Recall	D	Sets the tuners preset buttons to recall mode
Tuner_Preset_Mode_Save	D	Sets the tuners preset buttons to save mode
Tuner_Audio_Mode_Mono	D	Sets the tuner to mono mode
Tuner_Audio_Mode_Auto	D	Sets the tuner to auto mode
Tuner_Preset_Up	D	Selects the next tuner preset
Tuner_Preset_Down	D	Selects the previous tuner preset
Tuner_Preset *	D	Selects tuner preset *
Tuner_Auto_Tuning	D	Sets tuner the auto tuning mode
Tuner_Manual_Tuning	D	Sets tuner the manual tuning mode
Tuner_HD_Program_*_Select	D	Selects the HD Program * for the tuner
Tuner_Program_Up	D	Sends the tuner program up
Tuner_Program_Down	D	Sends the tuner program down
Tuner_Keypad *	D	Selects the tuner keypad * digit
Tuner_Keypad_Clear	D	Clears the keypad direct tune value
Tuner_Keypad_Enter	D	Sends the tuner direct tune value
Tuner_Tune_Up	D	Tunes the tuner to the next station

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CONTROL:		
Tuner_Tune_Down	D	Tunes the tuner to the previous station
Pandora_Play	D	Pulse to start playing Pandora
Pandora_Pause	D	Pulse to pause Pandora
Pandora_Stop	D	Pulse to stop Pandora
Pandora_Skip_Forward	D	Pulse to skip the track forward for Pandora
Pandora_Bookmark_Song	D	Pulse to bookmark the current song to the Pandora account
Pandora_Bookmark_Artist	D	Pulse to bookmark the current artist to the Pandora account
Pandora_Thumbs_Up	D	Pulse to set the rating to thumbs up on the current track
Pandora_Thumbs_Down	D	Pulse to set the rating to thumbs down on the current track
Pandora_List_Line*_Select	D	Pulse to select the item in the Pandora browse list
Pandora_List_Page_Up	D	Pulse to scroll the Pandora browse list up
Pandora_List_Page_Down	D	Pulse to scroll the Pandora browse list down
Pandora_Memory_Preset_Auto_Save	D	Pulse to auto save the current Pandora station to the first available memory location
Pandora_Memory_Preset_Location_Up	D	Pulse to increment the memory location to store the current Pandora station
Pandora_Memory_Preset_Location_Down	D	Pulse to decrement the memory location to store the current Pandora station
Pandora_Memory_Preset_Location_Save	D	Pulse to store the current Pandora station to the currently selected memory location
Napster_Play	D	Pulse to start playing Napster
Napster_Stop	D	Pulse to stop Napster
Napster_Skip_Forward	D	Pulse to skip the Napster track forward

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CONTROL:		
Napster_Skip_Reverse	D	Pulse to skip the Napster track back
Napster_Repeat_Mode	D	Pulse to cycle through the Napster repeat modes
Napster_Repeat_Off	D	Pulse to turn the Napster repeat mode off
Napster_Repeat_Single	D	Pulse to turn the Napster repeat mode to single
Napster_Repeat_All	D	Pulse to turn the Napster repeat mode to all
Napster_Shuffle_Mode	D	Pulse to cycle through the Napster shuffle modes
Napster_Shuffle_Off	D	Pulse to turn the Napster shuffle mode off
Napster_Shuffle_On	D	Pulse to turn the Napster shuffle mode on
Napster_List_Line*_Select	D	Pulse to select the item in the Napster browse list
Napster_List_Back	D	Pulse to go back a level in the Napster browse list
Napster_List_Page_Up	D	Pulse to scroll up a page in the Napster browse list
Napster_List_Page_Down	D	Pulse to scroll down a page in the Napster browse list
Napster_List_Page_Up	D	Pulse to scroll the Napster browse list up
Napster_List_Page_Down	D	Pulse to scroll the Napster browse list down
Napster_Memory_Preset_Auto_Save	D	Pulse to auto save the current Napster station to the first available memory location
Napster_Memory_Preset_Location_Up	D	Pulse to increment the memory location to store the current Napster station
Napster_Memory_Preset_Location_Down	D	Pulse to decrement the memory location to store the current Napster station
Napster_Memory_Preset_Location_Save	D	Pulse to save the current station to the selected memory location
Siriusir_Play	D	Pulse to start playing Siriusir

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CONTROL:		
Siriusir_Stop	D	Pulse to stop Siriusir
Siriusir_List_Line*_Select	D	Pulse to select the item in the Siriusir browse list
Siriusir_List_Back	D	Pulse to go back a level in the Siriusir browse list
Siriusir_List_Page_Up	D	Pulse to scroll up a page in the Siriusir browse list
Siriusir_List_Page_Down	D	Pulse to scroll down a page in the Siriusir browse list
Siriusir_List_Page_Up	D	Pulse to scroll the Siriusir browse list up
Siriusir_List_Page_Down	D	Pulse to scroll the Siriusir browse list down
Siriusir_Memory_Preset_Auto_Save	D	Pulse to auto save the current Siriusir station to the first available memory location
Siriusir_Memory_Preset_Location_Up	D	Pulse to increment the memory location to store the current Siriusir station
Siriusir_Memory_Preset_Location_Down	D	Pulse to decrement the memory location to store the current Siriusir station
Siriusir_Memory_Preset_Location_Save	D	Pulse to save the current Siriusir station to the selected memory location
Rhapsody_Play	D	Pulse to start playing Rhapsody
Rhapsody_Pause	D	Pulse to pause Rhapsody
Rhapsody_Stop	D	Pulse to stop Rhapsody
Rhapsody_Skip_Forward	D	Pulse to skip the Rhapsody track forward
Rhapsody_Skip_Reverse	D	Pulse to skip the Rhapsody track back
Rhapsody_Repeat_Mode	D	Pulse to cycle through the Rhapsody repeat modes
Rhapsody_Repeat_Off	D	Pulse to turn the Rhapsody repeat mode off
Rhapsody_Repeat_Single	D	Pulse to turn the Rhapsody repeat mode to single

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CONTROL:		
Rhapsody_Repeat_All	D	Pulse to turn the Rhapsody repeat mode to all
Rhapsody_Shuffle_Mode	D	Pulse to cycle through the Rhapsody shuffle modes
Rhapsody_Shuffle_Off	D	Pulse to turn the Rhapsody shuffle mode off
Rhapsody_Shuffle_On	D	Pulse to turn the Rhapsody shuffle mode on
Rhapsody_List_Line*_Select	D	Pulse to select the item in the Rhapsody browse list
Rhapsody_List_Back	D	Pulse to go back a level in the Rhapsody browse list
Rhapsody_List_Page_Up	D	Pulse to scroll up a page in the Rhapsody browse list
Rhapsody_List_Page_Down	D	Pulse to scroll down a page in the Rhapsody browse list
Rhapsody_List_Page_Up	D	Pulse to scroll the Rhapsody browse list up
Rhapsody_List_Page_Down	D	Pulse to scroll the Rhapsody browse list down
Rhapsody_Memory_Preset_Auto_Save	D	Pulse to auto save the current Rhapsody station to the first available memory location
Rhapsody_Memory_Preset_Location_Up	D	Pulse to increment the memory location to store the current Rhapsody station
Rhapsody_Memory_Preset_Location_Down	D	Pulse to increment the memory location to store the current Rhapsody station
Rhapsody_Memory_Preset_Location_Save	D	Pulse to save the current Rhapsody station to the selected memory location
PC_Play	D	Pulse to start playing PC
PC_Pause	D	Pulse to pause PC
PC_Stop	D	Pulse to stop PC
PC_Skip_Forward	D	Pulse to skip the PC track forward
PC_Skip_Reverse	D	Pulse to skip the PC track back

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CONTROL:		
PC_Repeat_Mode	D	Pulse to cycle through the PC repeat modes
PC_Repeat_Off	D	Pulse to turn the PC repeat mode off
PC_Repeat_Single	D	Pulse to turn the PC repeat mode to single
PC_Repeat_All	D	Pulse to turn the PC repeat mode to all
PC_Shuffle_Mode	D	Pulse to cycle through the PC shuffle modes
PC_Shuffle_On	D	Pulse to turn the PC shuffle mode On
PC_Shuffle_Off	D	Pulse to turn the PC shuffle mode to Off
PC_List_Line*_Select	D	Pulse to select the item in the PC browse list
PC_List_Back	D	Pulse to go back a level in the PC browse list
PC_List_Page_Up	D	Pulse to scroll up a page in the PC browse list
PC_List_Page_Down	D	Pulse to scroll down a page in the PC browse list
PC_List_Page_Up	D	Pulse to scroll the PC browse list up
PC_List_Page_Down	D	Pulse to scroll the PC browse list down
PC_Memory_Preset_Auto_Save	D	Pulse to auto save the current PC station to the first available memory location
PC_Memory_Preset_Location_Up	D	Pulse to increment the memory location to store the current PC station
PC_Memory_Preset_Location_Down	D	Pulse to decrement the memory location to store the current PC station
PC_Memory_Preset_Location_Save	D	Pulse to save the current PC station to the selected memory location
NET RADIO_Play	D	Pulse to start playing NET RADIO
NET RADIO_Stop	D	Pulse to stop NET RADIO

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CONTROL:		
NET RADIO_Skip_Forward	D	Pulse to skip the NET RADIO track forward
NET RADIO_Skip_Reverse	D	Pulse to skip the NET RADIO track back
NET RADIO_List_Line*_Select	D	Pulse to select the item in the NET RADIO browse list
NET RADIO_List_Back	D	Pulse to go back a level in the NET RADIO browse list
NET RADIO_List_Page_Up	D	Pulse to scroll up a page in the NET RADIO browse list
NET RADIO_List_Page_Down	D	Pulse to scroll down a page in the NET RADIO browse list
NET RADIO_List_Page_Up	D	Pulse to scroll the NET RADIO browse list up
NET RADIO_List_Page_Down	D	Pulse to scroll the NET RADIO browse list down
NET RADIO_Memory_Preset_Auto_Save	D	Pulse to auto save the current NET RADIO station to the first available memory location
NET RADIO_Memory_Preset_Location_Up	D	Pulse to increment the memory location to store the current NET RADIO station
NET RADIO_Memory_Preset_Location_Down	D	Pulse to decrement the memory location to store the current NET RADIO station
NET RADIO_Memory_Preset_Location_Save	D	Pulse to save the current Net Radio station to the selected memory location
USB_Play	D	Pulse to start playing USB
USB_Pause	D	Pulse to pause USB
USB_Stop	D	Pulse to stop USB
USB_Skip_Forward	D	Pulse to skip the USB track forward
USB_Skip_Reverse	D	Pulse to skip the USB track back
USB_Repeat_Mode	D	Pulse to cycle through the USB repeat modes

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USB_Repeat_*	D	Pulse to turn the USB repeat mode *
USB_Shuffle_Mode	D	Pulse to cycle through the USB shuffle modes
USB_Shuffle_*	D	Pulse to turn the USB shuffle mode to *
USB_List_Line*_Select	D	Pulse to select the item in the USB browse list
USB_List_Back	D	Pulse to go back a level in the USB browse list
USB_List_Page_Up	D	Pulse to scroll up a page in the USB browse list
USB_List_Page_Down	D	Pulse to scroll down a page in the USB browse list
USB_Memory_Preset_Auto_Save	D	Pulse to auto save the current USB station to the first available memory location
USB_Memory_Preset_Location_Up	D	Pulse to increment the memory location to store the current USB station
USB_Memory_Preset_Location_Down	D	Pulse to decrement the memory location to store the current USB station
USB_Memory_Preset_Location_Save	D	Pulse to save the current USB station to the selected memory location
Bluetooth_Start_Pairing	D	Pulse to start the pairing process for the Bluetooth interface
Bluetooth_Cancel_Pairing	D	Pulse to cancel the pairing process for the Bluetooth interface
Bluetooth_Connect	D	Pulse to connect the Bluetooth interface to the paired device
Bluetooth_Disconnect	D	Pulse to disconnect the Bluetooth interface to the paired device
Bluetooth_Play	D	Pulse to play the Bluetooth device
Bluetooth_Pause	D	Pulse to pause the Bluetooth device
Bluetooth_Stop	D	Pulse to stop the Bluetooth device
Bluetooth_Skip_Forward	D	Pulse to skip the current Bluetooth device track forward

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Bluetooth_Skip_Reverse	D	Pulse to skip the current Bluetooth device track back
iPod_Play	D	Pulse to start playing iPod
iPod_Pause	D	Pulse to pause iPod
iPod_Stop	D	Pulse to stop iPod
iPod_Skip_Forward	D	Pulse to skip the iPod track forward
iPod_Skip_Reverse	D	Pulse to skip the iPod track back
iPod_Repeat_Mode	D	Pulse to cycle through the iPod repeat modes
iPod_Repeat_*	D	Pulse to turn the iPod repeat mode *
iPod_Shuffle_Mode	D	Pulse to cycle through the iPod shuffle modes
iPod_Shuffle_*	D	Pulse to turn the iPod shuffle mode to *
iPod_List_Line*_Select	D	Pulse to select the item in the iPod browse list
iPod_List_Back	D	Pulse to go back a level in the iPod browse list
iPod_List_Page_Up	D	Pulse to scroll up a page in the iPod browse list
iPod_List_Page_Down	D	Pulse to scroll down a page in the iPod browse list
iPod_Mode_Normal	D	Pulse to put the iPod Dock in Normal Mode
iPod_Mode_Extended	D	Pulse to put the iPod Dock into Extended mode
Sirius_Search_Mode_All	D	Pulse to set the search mode for the Sirius tuner to all
Sirius_Search_Mode_Category	D	Pulse to set the search mode for the Sirius tuner to category
Sirius_Search_Mode_Preset	D	Pulse to set the search mode for the Sirius tuner to preset

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CONTROL:		
Sirius_Category_Up	D	Pulse to move to the next station by the category
Sirius_Category_Down	D	Pulse to move to the previous station by the category
Sirius_Preset_Up	D	Pulse to move the Sirius tuner to the next preset
Sirius_Preset_Down	D	Pulse to move the Sirius tuner to the previous preset
Sirius_Preset_Mode_Recall	D	Pulse to set the Sirius tuner to recall mode
Sirius_Preset_Mode_Save	D	Pulse to set the Sirius tuner to Save mode
Sirius_Preset_*	D	Pulse to recall or save the current preset
Sirius_Channel_Up	D	Pulse to channel up the Sirius tuner
Sirius_Channel_Down	D	Pulse to channel down the Sirius tuner
Sirius_Keypad_*	D	Pulse to enter the digit to direct tune the Sirius tuner
Sirius_Memory_Preset_Auto_Save	D	Pulse to auto save the current USB station to the first available memory location
Sirius_Memory_Preset_Location_Up	D	Pulse to increment the memory location to store the current USB station
Sirius_Memory_Preset_Location_Down	D	Pulse to decrement the memory location to store the current USB station
Sirius_Memory_Preset_Location_Save	D	Pulse to save the current Sirius Tuner station to the selected memory location
iPod-USB_Play	D	Pulse to start playing iPod-USB
iPod-USB_Pause	D	Pulse to pause iPod-USB
iPod-USB_Stop	D	Pulse to stop iPod-USB
iPod-USB_Skip_Forward	D	Pulse to skip the iPod-USB track forward
iPod-USB_Skip_Reverse	D	Pulse to skip the iPod-USB track back

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iPod-USB_Repeat_Mode	D	Pulse to cycle through the iPod-USB repeat modes
iPod-USB_Repeat_*	D	Pulse to turn the iPod-USB repeat mode *
iPod-USB_Shuffle_Mode	D	Pulse to cycle through the iPod-USB shuffle modes
iPod-USB_Shuffle_*	D	Pulse to turn the iPod-USB shuffle mode *
iPod-USB_List_Line*_Select	D	Pulse to select the item in the iPod-USB browse list
iPod-USB_List_Back	D	Pulse to go back a level in the iPod-USB browse list
iPod-USB_List_Page_Up	D	Pulse to scroll up a page in the iPod-USB browse list
iPod-USB_List_Page_Down	D	Pulse to scroll down a page in the iPod-USB browse list
iPod-USB_Mode_Normal	D	Pulse to put the iPod-USB Dock in Normal Mode
iPod-USB_Mode_Extended	D	Pulse to put the iPod-USB Dock into Extended mode
IR_Up	D	Pulse to send the IR up command
IR_Down	D	Pulse to send the IR down command
IR_Left	D	Pulse to send the IR left command
IR_Right	D	Pulse to send the IR right command
IR_Enter	D	Pulse to send the IR enter command
IR_On_Screen	D	Pulse to send the IR on screen command
IR_Option	D	Pulse to send the IR option command
IR_Return	D	Pulse to send the IR return command
IR_Display	D	Pulse to send the IR display command

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FEEDBACK:		
Connect_FB	D	High to indicate the module is connected.
Receiver_is_Initializing	D	High to indicate that the receiver is initializing
System_Power_Is_On	D	High to indicate that the receiver system power is on
System_Power_Is_Standby	D	High to indicate that the receiver system power is standby
System_Party_Mode_Is_On	D	High to indicate that the receiver party mode is on
System_Party_Mode_Is_Off	D	High to indicate that the receiver party mode is off
Main_HDMI_Output_Configuration_Text	S	Displays the current HDMI output configuration
Main_HDMI_Processor_State_Text	S	Displays the HDMI processors current state
Main_HDMI_Aspect_Text	S	Displays the HDMI outputs aspect ratio
Main_HDMI_Resolution_Text	S	Displays the HDMI outputs resolution
Main_Zone_Name_Text	S	Displays the name stored in the receiver for the main zone
Main_Power_Is_On	D	High to indicate the main zone power is on
Main_Power_Is_Standby	D	High to indicate the main zone power is standby
Main_ Sleep_Is_Off	D	High to indicate the main zone sleep timer is off
Main_ Sleep_Is_120_Minutes	D	High to indicate the main zone sleep timer is 120 min
Main_ Sleep_Is_90_Minutes	D	High to indicate the main zone sleep timer is 90 min
Main_Sleep_Is_60_Minutes	D	igh to indicate the main zone sleep timer is 60 min
Main_Sleep_Is_30_Minutes	D	High to indicate the main zone sleep timer is 30 min

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FEEDBACK:		
Main_Sleep_Timer_Text	S	Indicates the Main zone sleep timer time
Main_Volume_Level_Text	S	Indicates the Main zone volume level
Main_Initial_Volume_Mode_is_On	D	High to indicate the main zone initial volume mode is on
Main_Initial_Volume_Mode_is_Off	D	High to indicate the main zone initial volume mode is off
Main_Mute_Is_On	D	High to indicate the main zone is muted
Main_Input_Is *	D	High to indicate the main zone is on *
Main_Scene_*_Name_Text	S	Displays The Name For Main Zone Scene *
Main_Input_Audio_Type_Text	S	Displays the type of audio used for the main zone's current input
Main_Decoder_Mode_Text	S	Displays the decoder mode for the surround processor
Main_Pure_Direct_Mode_Status_Text	S	Displays the pure direct mode state
Main_Adaptive_Dynamic_Range_Mode_Text	S	Displays the adaptive dynamic range mode state
Main_Lip_Sync_Mode_Status_Text	S	Displays the lip sync mode state
Main_Straight_Mode_Status_Text	S	Displays the straight mode state
Main_Sound_Program_Mode_Text	S	Displays the sound program mode
Main_Adaptive_DSP_Mode_Text	S	Displays the adaptive dsp mode
Main_3D_Cinema_Mode_Text	S	Displays the 3d cinema mode
Main_EX_Decoder_Mode_Text	S	Displays the ex decode mode
Main_2Channel_Decoder_Mode_Text	S	Displays the 2 Channel decode mode
Main_Enhancer_Mode_Text	S	Displays the Enhancer mode

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15 Volvo Drive • Rockleigh, NJ 07647
800.237.2041 / 201.767.3400

www.crestron.com

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Partner: Yamaha
Model: RX-A3010
Device Type: Surround Sound Receiver

FEEDBACK:		
Zone*_Name_Text	S	Displays the name stored in the receiver for zone *
Zone*_Power_Is_On	D	High to indicate the zone * power is on
Zone*_Power_Is_Standby	D	High to indicate the zone * power is standby
Zone*_Sleep_Timer_Text	D	Indicates the Zone * sleep timer time
ZoneΩ_Sleep_is_Off	D	High to indicate the zone * sleep timer is off
Zone*_Sleep_Is_120_Minutes	D	High to indicate the zone * sleep timer is 120 min
Zone*_Sleep_Is_90_Minutes	D	High to indicate the zone * sleep timer is 90 min
Zone*_Sleep_Is_60_Minutes	D	High to indicate the zone * sleep timer is 60 min
Zone*_Sleep_Is_30_Minutes	D	High to indicate the zone * sleep timer is 30 min
Zone*_Volume_Level_Text	S	Indicates the zone * volume level
Zone*_Volume_Is_Variable	D	High to indicate that zone * has a fixed volume level
Zone*_Volume_Is_Variable	D	High to indicate that zone * has a variable volume level
Zone*_Initial_Volume_Mode_is_On	D	High to indicate zone * initial volume mode is on
Zone*_Initial_Volume_Mode_is_Off	D	High to indicate zone * initial volume mode is off
Zone*_Mute_Is_On	D	High to indicate the zone * is muted
Zone*_input_Is *	D	High to indicate zone * input is on *
Zone*_Scene_*_Name_Text	S	Displays The Name For Zone 2 Scene *
Tuner_Band_Is_FM	D	High to indicate that the tuner is on the fm band
Tuner_Band_Is_AM	D	High to indicate that the tuner is on the am band

Partner: Yamaha
Model: RX-A3010
Device Type: Surround Sound Receiver

FEEDBACK:		
Tuner_Preset_Mode_Is_Recall	S	High to indicate that the tuner preset mode is recall
Tuner_Preset_Mode_Is_Save	D	High to indicate that the tuner preset mode is save
Tuner_Audio_Mode_Is_Mono	D	High to indicate that the tuner audio mode is mono
Tuner_Audio_Mode_Is_Stereo	D	High to indicate that the tuner audio mode is stereo
Tuner_Preset_Is_*	D	High to indicate that tuner preset * is active
Tuner_Mode_Is_Auto	D	High to indicate that the tuner mode is auto
Tuner_Mode_Is_Manual	D	High to indicate that the tuner mode is manual
Tuner_Station_Is_Tuned	D	High to indicate that the station is tuned
Tuner_Station_Is_Stereo	D	High to indicate that the current station is in stereo
Tuner_Station_Is_Mono	D	High to indicate that the current station is in mono
Tuner_Station_Is_HD	D	High to indicate that the current station is in HD
Tuner_HD_Program_*_Is_Available	D	High when HD program * is available for selection
Tuner_HD_Program_*_Is_Available	D	Is High To indicate that the currently tuned station has available HD Programs to select
Tuner_Keypad_Value	A	Shows The Value for Tuner Direct Tune Function
Tuner_Current_Frequency_Text	S	Shows The Currently Tuned Frequency
Tuner_Current_Program_Number_Text	S	Shows The Currently Tuned Program Number
Tuner_Current_Program_Type_Text	S	Shows The Currently Tuned Program Type
Tuner_Current_Song_Text	S	Shows The Currently Tuned Song
Tuner_Current_Artist_Text	S	Shows The Currently Tuned Artist

Partner: Yamaha
Model: RX-A3010
Device Type: Surround Sound Receiver

FEEDBACK:		
Tuner_Current_Album_Text	S	Shows The Currently Tuned Album
Pandora_Is_Not_Ready	D	High to indicate that there is an error with Pandora
Pandora_Is_Ready	D	High to indicate that Pandora is ready to be used
Pandora_Is_Playing	D	High to indicate that Pandora is playing
Pandora_Is_Paused	D	High to indicate that Pandora is paused
Pandora_Is_Stopped	D	High to indicate that Pandora is stopped
Pandora_Current_Song_Text	S	Displays the current Pandora song name
Pandora_Current_Album_Text	S	Displays the current Pandora album name
Pandora_Current_Station_Text	S	Displays the current Pandora station
Pandora_Is_Thumbed_Up	D	High to indicate that the feedback for the current song is thumbs up
Pandora_List_Layer_Text	S	Displays the current layer of the Pandora browse list
Pandora_List_Name_Text	S	Displays the current layer name of the Pandora browse list
Pandora_List_Line*_Text	S	Displays the information of the Pandora browse list line *
Pandora_Line_*_Is_Available	D	High to indicate that the current line is selectable.
Pandora_Memory_Preset_Location	A	Location to which the current Pandora station will be stored when the Memory save button is triggered
Napster_Is_Not_Ready	D	High to indicate that there is an error with Napster
Napster_Is_Ready	D	High to indicate that Napster is ready to be used
Napster_Is_Playing	D	High to indicate that Napster is playing
Napster_Is_Stopped	D	High to indicate that Napster is stopped

Partner: Yamaha
Model: RX-A3010
Device Type: Surround Sound Receiver

FEEDBACK:		
Napster_Repeat_Mode_Text	S	Displays the current repeat mode for Napster
Napster_Shuffle_Mode_Text	S	Displays the current shuffle mode for Napster
Napster_Current_Song_Text	S	Displays the current song for Napster
Napster_Current_Artist_Text	S	Displays the current artist for Napster
Napster_Current_Album_Text	S	Displays the current album for Napster
Napster_List_Layer_Text	S	Displays the Napster list layer info for the Napster browse list
Napster_List_Name_Text	S	Displays the Napster list layer name for the Napster browse list
Napster_List_Line*_Text	S	Displays the information of the Napster browse list line *
Napster_Line_*_Is_Available	D	High to indicate that the current line is selectable
Napster_Memory_Preset_Location	A	Location to which the current Napster station will be stored when the Memory save button is triggered
Siriusir_Is_Not_Ready	D	High to indicate that there is an error with Siriusir
Siriusir_Is_Ready	D	High to indicate that Siriusir is ready to be used
Siriusir_Is_Playing	D	High to indicate that Siriusir is playing
Siriusir_Is_Stopped	D	High to indicate that Siriusir is stopped
Siriusir_Current_Song_Text	S	Displays the current song for Siriusir
Siriusir_Current_Artist_Text	S	Displays the current artist for Siriusir
Siriusir_Current_Album_Text	S	Displays the current album for Siriusir
Siriusir_Current_Channel_Text	S	Displays the current channel for Siriusir
Siriusir_List_Layer_Text	S	Displays the Siriusir list layer info for the Siriusir browse list

Partner: Yamaha
Model: RX-A3010
Device Type: Surround Sound Receiver

FEEDBACK:		
Siriusir_List_Name_Text	S	Displays the Siriusir list layer name for the Siriusir browse list
Siriusir_List_Line*_Text	S	Displays the information of the Siriusir browse list line *
Siriusir_Line_*_Is_Available	D	High to indicate that the current line is selectable
Siriusir_Memory_Preset_Location	A	Location to which the current Siriusir station will be stored when the Memory save button is triggered
Rhapsody_Is_Not_Ready	D	High to indicate that there is an error with Rhapsody
Rhapsody_Is_Ready	D	High to indicate that Rhapsody is ready to be used
Rhapsody_Is_Playing	D	High to indicate that Rhapsody is playing
Rhapsody_Is_Paused	D	High to indicate that Rhapsody is paused
Rhapsody_Is_Stopped	D	High to indicate that Rhapsody is stopped
Rhapsody_Repeat_Mode_Text	S	Displays the current repeat mode for Rhapsody
Rhapsody_Shuffle_Mode_Text	S	Displays the current shuffle mode for Rhapsody
Rhapsody_Current_Song_Text	S	Displays the current song for Rhapsody
Rhapsody_Current_Artist_Text	S	Displays the current artist for Rhapsody
Rhapsody_Current_Album_Text	S	Displays the current album for Rhapsody
Rhapsody_List_Layer_Text	S	Displays the Rhapsody list layer info for the Rhapsody browse list
Rhapsody_List_Name_Text	S	Displays the Rhapsody list layer name for the Rhapsody browse list
Rhapsody_List_Line*_Text	S	Displays the information of the Rhapsody browse list line *
Rhapsody_Line_*_Is_Available	D	High to indicate that the current line is selectable
Rhapsody_Memory_Preset_Location	A	Location to which the current Rhapsody station will be stored when the Memory save button is triggered

Partner: Yamaha
Model: RX-A3010
Device Type: Surround Sound Receiver

FEEDBACK:		
PC_Is_Not_Ready	D	High to indicate that there is an error with PC
PC_Is_Ready	D	High to indicate that PC is ready to be used
PC_Is_Playing	D	High to indicate that PC is playing
PC_Is_Paused	D	High to indicate that PC is paused
PC_Is_Stopped	D	High to indicate that PC is stopped
PC_Repeat_Mode_Text	S	Displays the current repeat mode for PC
PC_Shuffle_Mode_Text	S	Displays the current shuffle mode for PC
PC_Current_Song_Text	S	Displays the current song for PC
PC_Current_Artist_Text	S	Displays the current artist for PC
PC_Current_Album_Text	S	Displays the current album for PC
PC_List_Layer_Text	S	Displays the PC list layer info for the PC browse list
PC_List_Name_Text	S	Displays the PC list layer name for the PC browse list
PC_List_Line*_Text	S	Displays the information of the PC browse list line *
PC_Line_*_Is_Available	D	High to indicate that the current line is selectable
PC_Memory_Preset_Location	A	Location to which the current PC station will be stored when the Memory save button is triggered
Net_Radio_Is_Not_Ready	D	High to indicate that there is an error with Net Radio
Net_Radio_Is_Ready	D	High to indicate that Net Radio is ready to be used
Net_Radio_Is_Playing	D	High to indicate that Net Radio is playing
Net_Radio_Is_Stopped	D	High to indicate that Net Radio is stopped

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Device Type: Surround Sound Receiver

FEEDBACK:		
Net_Radio_Current_Song_Text	S	Displays the current song for Net Radio
Net_Radio_Current_Artist_Text	S	Displays the current artist for Net Radio
Net_Radio_List_Layer_Text	S	Displays the Net Radio list layer info for the Net Radio browse list
Net_Radio_List_Name_Text	S	Displays the Net Radio list layer name for the Net Radio browse list
Net_Radio_List_Line*_Text	S	Displays the information of the Net Radio browse list line *
Net_Radio_Line_*_Available_FB	D	High to indicate that the current line is selectable
Net_Radio_Memory_Preset_Location	A	Location to which the current Net Radio station will be stored when the Memory save button is triggered
USB_Is_Not_Ready	D	High to indicate that there is an error with USB
USB_Is_Ready	D	High to indicate that USB is ready to be used
USB_Is_Playing	D	High to indicate that USB is playing
USB_Is_Paused	D	High to indicate that USB is paused
USB_Is_Stopped	D	High to indicate that USB is stopped
USB_Repeat_Mode_Text	S	Displays the current repeat mode for USB
USB_Shuffle_Mode_Text	S	Displays the current shuffle mode for USB
USB_Current_Song_Text	S	Displays the current song for USB
USB_Current_Artist_Text	S	Displays the current artist for USB
USB_Current_Album_Text	S	Displays the current album for USB
USB_List_Layer_Text	S	Displays the USB list layer info for the USB browse list
USB_List_Name_Text	S	Displays the USB list layer name for the USB browse list

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Model: RX-A3010
Device Type: Surround Sound Receiver

FEEDBACK:		
USB_List_Line*_Text	S	Displays the information of the USB browse list line *
USB_Line_*_Is_Available	D	High to indicate that the current line is selectable
USB_Memory_Preset_Location	A	Location to which the current USB station will be stored when the Memory save button is triggered
Bluetooth_Is_Not_Ready	D	High to indicate that the Bluetooth device is not ready
Bluetooth_Is_Ready	D	High to indicate that the Bluetooth device is ready
iPod_Is_Not_Ready	D	High to indicate that there is an error with the iPod dock
iPod_Is_Ready	D	High to indicate that iPod is ready to be used
iPod_Is_Playing	D	High to indicate that iPod is playing
iPod_Is_Paused	D	High to indicate that iPod is paused
iPod_Is_Stopped	D	High to indicate that iPod is stopped
iPod_Repeat_Mode_Text	S	Displays the current repeat mode for iPod
iPod_Shuffle_Mode_Text	S	Displays the current shuffle mode for iPod
iPod_Current_Song_Text	S	Displays the current song for iPod
iPod_Current_Artist_Text	S	Displays the current artist for iPod
iPod_Current_Album_Text	S	Displays the current album for iPod
iPod_List_Layer_Text	S	Displays the iPod list layer info for the iPod browse list
iPod_List_Name_Text	S	Displays the iPod list layer name for the iPod browse list
iPod_List_Line*_Text	S	Displays the information of the iPod browse list line *
iPod_Line_*_Is_Available	D	High to indicate that the current line is selectable

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Device Type: Surround Sound Receiver

FEEDBACK:		
iPod_Mode_Is_Normal	D	High to indicate that the iPod dock is in normal mode
iPod_Mode_Is_Extended	D	High to indicate that the iPod dock is in extended mode
Sirius_Is_Not_Ready	D	High to indicate that the Sirius tuner is not ready
Sirius_Is_Ready	D	High to indicate that the Sirius tuner is ready
Sirius_Search_Mode_Is_All_Channels	D	High to indicate that the Sirius tuner search mode is set to all
Sirius_Search_Mode_Is_Category	D	High to indicate that the Sirius tuner search mode is set to category
Sirius_Search_Mode_Is_Preset	D	High to indicate that the Sirius tuner search mode is set to preset
Sirius_Preset_Mode_Is_Recall	D	High to indicate that the Sirius tuner search mode is set to recall
Sirius_Preset_Mode_Is_Save	D	High to indicate that the Sirius tuner search mode is set to save
Sirius_Preset_Is_*	D	High to indicate that preset * is tuned
Sirius_keypad_value	A	Shows The Value for Sirius Tuner Direct Tune Function
Sirius_Memory_Preset_Location	A	Location to which the current Sirius station will be stored when the Memory save button is triggered
Sirius_Parental_Lock_Is_On	D	High to indicate that the Sirius parental lock is on
Sirius_Parental_Lock_Is_Off	D	High to indicate that the Sirius parental lock is off
Sirius_Antenna_Level_Text	S	Indicates the antenna level for the Sirius tuner
Sirius_Current_Catagory_Text	S	Indicates the current station category
Sirius_Current_Channel_Number_Text	S	Indicates the current station channel number
Sirius_Current_Channel_Name_Text	S	Indicates the current station channel name
Sirius_Current_Artist_Text	S	Indicates the current artist name

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FEEDBACK:		
Sirius_Current_Song_Text	S	Indicates the current song name
Sirius_Current_Composer_Text	S	Indicates the current song name
iPod-USB_Is_Not_Ready	D	High to indicate that there is an error with the iPod-USB dock
iPod-USB_Is_Ready	D	High to indicate that iPod-USB is ready to be used
iPod-USB_Is_Playing	D	High to indicate that iPod-USB is playing
iPod-USB_Is_Paused	D	High to indicate that iPod-USB is paused
iPod-USB_Is_Stopped	D	High to indicate that iPod-USB is stopped
iPod-USB_Repeat_Mode_Text	S	Displays the current repeat mode for iPod-USB
iPod-USB_Shuffle_Mode_Text	S	Displays the current shuffle mode for iPod-USB
iPod-USB_Current_Song_Text	S	Displays the current song for iPod-USB
iPod-USB_Current_Artist_Text	S	Displays the current artist for iPod-USB
iPod-USB_Current_Album_Text	S	Displays the current album for iPod-USB
iPod-USB_List_Layer_Text	S	Displays the iPod-USB list layer info for the iPod-USB browse list
iPod-USB_List_Name_Text	S	Displays the iPod-USB list layer name for the iPod-USB browse list
iPod-USB_List_Line*_Text	S	Displays the information of the iPod-USB browse list line *
iPod-USB_Line_*_Is_Available	D	High to indicate that the current line is selectable
iPod-USB_Mode_Is_Normal	D	High to indicate that the iPod-USB dock is in normal mode
iPod-USB_Mode_Is_Extended	D	High to indicate that the iPod-USB dock is in extended mode

Partner: Yamaha
Model: RX-A3010
Device Type: Surround Sound Receiver

PARAMETERS:

IP Address	The IP Address for communication to the Yamaha receiver
Port Number	The Port Number for communication to the Yamaha Receiver. Default is 50000. Allowable range is 50000 to 65535.

TESTING:

OPS USED FOR TESTING:	4.003.1015
SIMPL WINDOWS USED FOR TESTING:	3.02.04.01
CRES DB USED FOR TESTING:	26.05.021.00
DEVICE DATABASE:	35.05.004.00
SAMPLE PROGRAM:	Yamaha RX-A3010 IP v1.1 Demo PRO2
REVISION HISTORY:	V1.0 Initial Release V2.0 Support For 3 Series Optimized NVRAM Usage