

Partner: Sabine
Model: SW72-NDR
Device Type: Wireless Mic Receiver



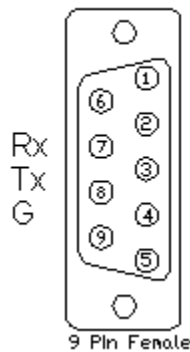
GENERAL INFORMATION

SIMPLWINDOWS NAME:	Sabine SW72-NDR Mic Receiver.umc
CATEGORY:	Other
VERSION:	1.0
SUMMARY:	This module displays and controls the basic functions of the Sabine SW72-NDR wireless microphone RF receiver
GENERAL NOTES:	<p>This module displays and controls the basic functions of the Sabine SW72-NDR wireless microphone RF receiver. It provides true feedback indicating battery level, Channel amplitude, Channel RF signal strength, Battery hours, Output level, Output Level Mute, RF channel, microphone status and preset activation with indirect text .</p> <p>Please note that this device is controlled as a "slave". Real time feedback is not possible. However, the unit can be polled every 1 second for current status. This will satisfy most users and relay the appropriate feedback somewhat smoothly.</p> <p>When a preset change is requested, the Sabine SW72-NDR can take up to 25 seconds to process this change. The "Preset_Polling_FB" signal will remain high during this process. You can use the OSC symbol to trigger feedback to a touch panel. During this process, all inputs are disabled.</p> <p>NOTE: This module requires 2-way communications. You cannot comment out the FROM_DEVICE\$ serial input. This serial signal must be used for proper module operation. This module is 2-series processor compatible only.</p>
CRESTRON HARDWARE REQUIRED:	C2-COM
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 57600 Parity: N Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	None
VENDOR SETUP:	DIP Switch 7 Down for fist unit. ALL others UP.
CABLE DIAGRAM:	CNSP-121

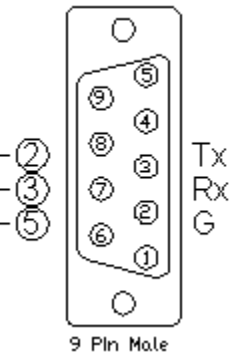
Partner: Sabine
Model: SW72-NDR
Device Type: Wireless Mic Receiver



Rear View of Connector



Rear View of Connector



CONTROL:

RF_Channel_A_Up/Down	D	Pulse to increment current Channel up or down (1-70)
Output_Level_A_Up/Down	D	Pulse to increase current Channel output level
Output_Level_A_Mute_*	D	Pulse to change channel's mute state on/off/Toggle
RF_Channel_B_Up/Down	D	Pulse to increment current Channel up or down (1-70)
Output_Level_B_Up/Down	D	Pulse to increase current Channel output level
Output_Level_B_Mute_*	D	Pulse to change channel's mute state on/off/Toggle
Preset_*	D	Pulse to select desired preset. (THIS MAY TAKE UP TO 25 SECONDS)
Poll_Enable	D	When high, device is polled for battery level, amplitude and signal strength
Poll_Settings	D	When high, device is polled for current channel, mic status, audio level and battery hours
POLL TIME	P	Time in seconds to active general status polling (1 -20)
SERIAL NUMBER	P	Enter the LAST 6 digits of the unit's serial number
From_Device\$	S	Serial data signal from a 2-way com port

Partner: Sabine
Model: SW72-NDR
Device Type: Wireless Mic Receiver



FEEDBACK:

Output_Level_A/B_Mute_On/Off_FB	D	True feedback indicating channel's current mute state
RF_Channel_A/B_Gauge	A	Decimal value of device's current RF channel (1-70) to be sent to a digital gauge
RF_Signal_A/B_Bar	A	Analog value of device's current RF signal level to be sent to a bar graph
Output_Level_A/B_Bar	A	Analog value of device's current output level to be sent to a bar graph
Amplitude _ A/B_Bar	A	Analog value of device's current microphone amplitude level to be sent to a bar graph
Battery_Level_A/B_Bar	A	Analog value of device's current battery level to be sent to a bar graph
Battery_A/B_Hours_Gauge	A	Decimal value of device's elapsed hours since the batteries were charged. To be sent to a digital gauge (XX.X)
Mic_Status_A/B\$	S	Serial Text indicating microphone's current operational status to be sent to an indirect text field
Preset_*_FB	D	True feedback indicating devices currently active preset
Preset_Loading_FB	D	When high, indicates device is loading the currently selected preset. This can take up to 25 seconds. ALL module inputs will be disabled during the process.
Channel_A/B_Volume\$	S	Serial text string indicating channel's current level in dB. To be sent to a ptouch panel's indirect text field
Preset_Name\$	S	Serial Text indicating the name of the currently active preset to be sent to an indirect text field
To_Device\$	S	Serial data signal to be sent to a 2-way com port

Partner: Sabine
Model: SW72-NDR
Device Type: Wireless Mic Receiver

**TESTING:**

OPS USED FOR TESTING:	PRO2 Cntrl Eng [v3.177 (Release)]
COMPILER USED FOR TESTING:	2.00.31
SAMPLE PROGRAM:	Sabine SW72-NDR Mic Receiver Demo Pro2.smw
REVISION HISTORY:	v1.0