



XDS PRO-4 Pause/Resume feature

A new software upgrade to the XDS PRO-4 receiver allows the user to Pause and Resume the playback of files recorded in the receiver. This can be used to lengthen local breaks while playing back previously-recorded programs from the receiver. This function may be useful to affiliates of long-form programs such as American Country Countdown (ACC) who need to have the network program “wait” while the station inserts additional material. To use this feature, you must be running receiver software **version 2.0.0 or higher**.

The Pause-Playback and Resume-Playback functions are actuated by closing Opto Inputs that are accessible from the “Console” (M&C) Port on the receiver.

Step 1: Assign Functions to Opto-Input GPIs

The receiver’s rear-panel “Console” connector has four Opto-Input GPIs available for user-assignable functions. To assign functions to the Optos, you must log into your receiver’s internal web page by using the Ethernet port on the rear of the receiver (not the web-based Program Scheduler). To determine the IP address of the receiver:

- 1) Press SET
- 2) Right arrow to SETUP
- 3) Press SET
- 4) Right arrow to NETWORK
- 5) Press SET
- 6) Right arrow to LAN address

You must be running receiver software **version 2.0.0 or higher**. Connect your PC to the Ethernet port of the receiver and enter that address into your browser’s address bar. Some web browsers require you to precede the IP address with <http://> when you type it into the address bar. Login is (U) tech (P) <your current login PWD at the XDS Affiliate Site (myxdsreceiver.westwoodone.com)>.

Username: <input type="text"/>
Password: <input type="text"/>
<input type="button" value="Login"/>

Once you are logged in to the receiver's web page, click on the "Opto Inputs" tab and you will see this screen:

Opto Inputs

Mode: Coded Uncoded

Opto In	Mask	Pins (GND 1,5)	Title	Armed?	
1 (OPTO 1)	0001	PIN 6		Disabled	<input type="button" value="Edit"/>
2 (OPTO 2)	0010	PIN 7		Disabled	<input type="button" value="Edit"/>
4 (OPTO 3)	0100	PIN 8		Disabled	<input type="button" value="Edit"/>
8 (OPTO 4)	1000	PIN 9		Disabled	<input type="button" value="Edit"/>

Each of the four Optos corresponds to a pin on the "Console" DB-9 connector on the rear of the receiver. To set a function to an Opto, click on the "Edit" button associated with the Opto you'll be using. If you Edit Opto #1, the screen should now look like this:

Mode: Coded Uncoded

Opto In	Mask	Pins (GND 1,5)	Title	Armed?		Opto Input #1
1 (OPTO 1)	0001	PIN 6		Disabled	<input type="button" value="Edit"/>	Enabled: <input type="checkbox"/>
2 (OPTO 2)	0010	PIN 7		Disabled	<input type="button" value="Edit"/>	Title: <input type="text" value="Pause"/>
4 (OPTO 3)	0100	PIN 8		Disabled	<input type="button" value="Edit"/>	Commands:
8 (OPTO 4)	1000	PIN 9		Disabled	<input type="button" value="Edit"/>	<input style="width: 100%; height: 100%;" type="text" value="PORT PAUSE,A"/>

The command PORT PAUSE,A has been entered in the command box. Save the changes and this will pause a playback on Audio Port A when Opto #1 is momentarily grounded. Optionally, you could choose to place this Pause function on Port B, C or D.

The screenshot below shows Opto #2 set up to Resume Play on Port A. The command is: PORT RESUME,A

Opto In	Mask	Pins (GND 1,5)	Title	Armed?	Opto Input #2
1 (OPTO 1)	0001	PIN 6	Pause	Enabled	Enabled: <input type="checkbox"/>
2 (OPTO 2)	0010	PIN 7		Disabled	Title: Play
4 (OPTO 3)	0100	PIN 8		Disabled	Commands: PORT RESUME,A
8 (OPTO 4)	1000	PIN 9		Disabled	

When done, click Logout.

Step 2: Wiring Opto functions for Pause/Resume

Now that your Optos are programmed correctly, you can either wire both functions to your own closures, or you can use a Netcues that WWO provides to automatically pause the playback just prior to the start of each program segment and resume it when you apply a “Resume” closure from your automation system (if you are not sure which Netcues to use, please contact WWO Technical Services: techservices@westwoodone.com).

Rear-Panel “Console” Connector Pinout:

- 1- Alarm Relay Form A / pole 1 (N.O.)
- 2- RS232 Serial Terminal Transmit
- 3- RS232 Serial Terminal Receive
- 4- Alarm Relay Form A / pole 2 (N.O.)
- 5- Signal and Opto Ground
- 6- Opto Input 1
- 7- Opto Input 2
- 8- Opto Input 3
- 9- Opto Input 4

To actuate an Opto function, momentarily connect the desired Opto pin to Pin 5 (Ground).

If you want a board operator to actuate the Opto function, wire it to a pushbutton switch. If you want your station automation to fire the Opto function, wire it to a contact closure output of your automation.

Sample implementation for ACC Pause/Resume:

