



NCS-C410 Trunking Delay Module Instruction Sheet

Introduction

The NCS-C410 Trunking Delay Module installs between any RAD port of the NCS-C250/C251 and a Trunking Radio. The purpose of the module is to delay the transmitted audio and PTT release while the Trunking Radio acquires a channel from the Trunking Radio System controller. This prevents voice from being lost during the trunking handshake.

Items Supplied

Items supplied with the NCS-C410 are:

1. NCS-C410 Trunking Delay Module
2. NCS-C410-TRM C250/C410 cable (Optional)
3. NCS-C410 Power Pigtail
4. This Instruction Sheet

Note that the Radio Interface Cable is supplied separately.

NCS-C410 Installation

The Trunking Delay Module is installed between the NCS-C250/C251 and the Trunking Radio as shown in the diagram on the following page. The Power Pigtail should be connected to a regulated 12-16VDC power source capable of at least 100mA. When power is applied correctly, the Green Power LED will be illuminated.

NCS-C410 Setup and Operation

The NCS-C410 has an adjustment on the side for setting the total Trunking Channel Acquisition delay. Turn this control using a small screwdriver to equal or exceed the maximum delay expected from the trunking system. Available values (also shown on the unit's label) are: 0ms, 50ms, 100ms, 200ms, 400ms, 800ms and 1600ms. **Position 7, while not marked on early units, will provide approximately 3200 ms of delay.**

During operation, when the trunking radio is selected and keyed from the C250/C251, the radio will key for at least the set delay period and transmitted audio will be transmitted complete beginning at the set delay time. When PTT is released from the C250, the PTT to the radio and transmitted audio will cease after the set delay.

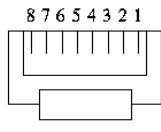
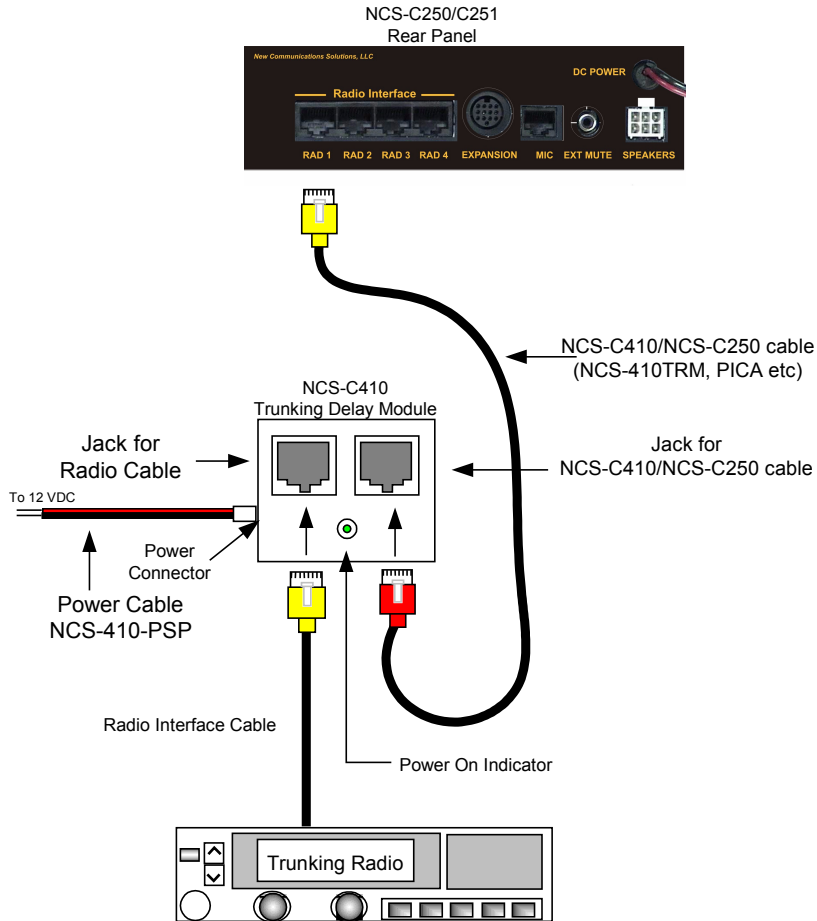


Figure 1:
End view of RJ45 Plug

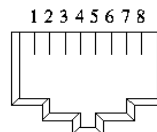


Figure 2:
Looking into an RJ45 Jack

Pin	RADIO PORT	C250 PORT	REMARK
1	TRANSMIT AUDIO OUT TO RADIO	TRANSMIT AUDIO FROM C250	
2	TRANSMIT AUDIO COMMON	TRANSMIT AUDIO COMMON	
3	PTT TO RADIO	PTT FROM C250	
4	GROUND	GROUND	
5	RECEIVE AUDIO FROM RADIO	RECEIVE AUDIO TO C250	
6	GROUND	GROUND	
7	HOOKSWITCH LINE	HOOKSWITCH LINE	DIRECT CONNECTION NO FUNCTION IN C410
8	COR LINE	COR LINE	DIRECT CONNECTION NO FUNCTION IN C410