



SAP-612

Source Assignment Panel

The Model SAP-612 Source Assign Panel independently assigns each of 24 TW channels (12 two-channel TW user station strings) to any one of six busses, communication channels. All channels assigned to a common buss channel can intercommunicate and exchange call signals. One to three TW power supplies (such as Models PS-31 or PS-15) may be conveniently connected to the SAP-612 to distribute power to the intercom stations. Or, the SAP-612 may be used with a non-TW power source. Switchable 200-Ω line terminations are built into the SAP-612 for proper line termination when using a non-TW power source. The SAP-612 has two balanced, transformer isolated program inputs. Program 1 is permanently assigned to buss channel 5, and program 2 is permanently assigned to buss channel 6.

Features

Assignment

Any one of the 6 intercom channels (input busses) or 2 program channels can be assigned to any one of the 12 output lines; each line consists of two separate feeds from the SAP-612. For example, a given user station may be assigned intercom channels 1 and 2. Another station may be assigned intercom channel 3 and program source 2.

Outputs

Output connections can be made directly to a single user station or a group of user stations. Three-pin XLR type male connectors allow for standard mic cable usage. Multiple stations can interconnect via loop-thru connectors on individual user stations or via Model TW-5W 1x5 Splitters.

Inputs

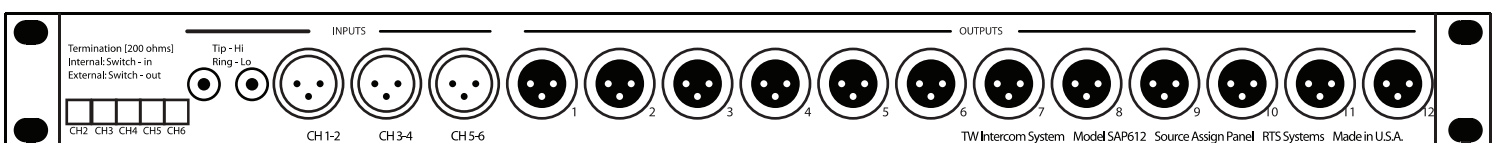
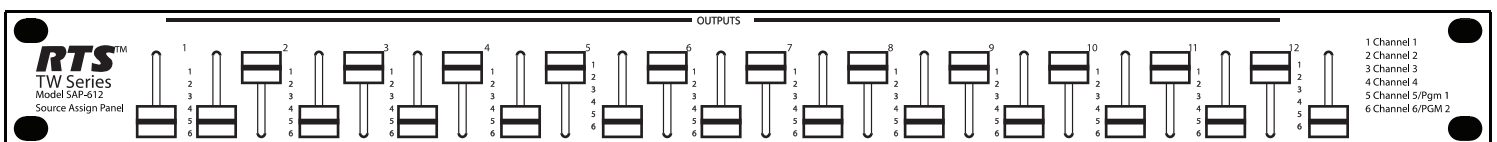
Three XLR-type female connectors accommodate three separate 2-channel power supplies, models PS-15 or PS-31. The PS-15 power supply offers a single powered channel

and a single passive channel (non-powered 20 Ω line). If three supplies are connected channels 1, 3, & 5 will be powered. This means the channel 1 slide switch can only select those respective channels. Each line powered user station requires power on it's channel 1 input. If a pair of PS-31 power supplies are used, then all 6 channels will be powered. When only a single power supply is employed channels 3-6 are not externally terminated. To compensate for this, a series of rear panel select switches can be engaged to provide the proper 200 Ω line termination for channels 2 thru 6 as necessary.

Expanded Operation

Designed specifically to work within the TW Intercom System, the SAP-612 is a cost-effective device that can be used in small, medium, or large systems. If additional output assignments are required, two or more SAP-612's can be operated in parallel. The SAP-612 is completely passive and therefore does not require a power source.

Line Drawing



SAP-612 Specifications

Maximum Switch Carrying Current

1.0 ampere per output

Maximum Switch Breaking Current

0.5 ampere per output

Inputs

Full duplex lines (busses): 6

Program Inputs: 2

Outputs (Two Channel)

User Station Strings: 12

Program Inputs

Impedance; 600 Ω

Level: 0 dBm

Power Requirements

No external power required; Power distributed from RTS® Systems power supplies PS-15 or PS-31 connected at rear panel of SAP-612.

Dimensions

1.72" (44 mm) high, 19" (483 mm) wide 8" (20.1mm) deep

Allow another 4" (102 mm) depth for cables on rear panel

Weight

4.5 lbs (2.05 kg)

Finish

Grey, Fed. Std. #595A-26492

Ordering Information**SAP-612**

Source assign panel for channel assignment

Catalog Number: 9000687200

This specifications information is preliminary and is subject to change without notification.

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