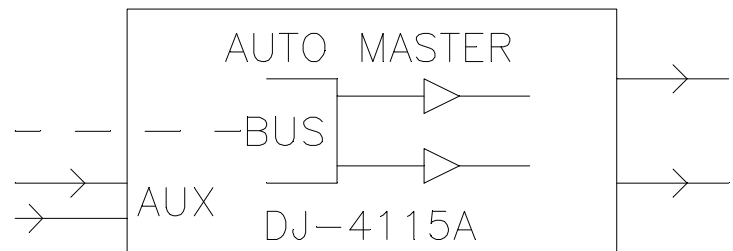


DESCRIPTION

The DJ-4115A Master Module mixes into two outputs the audio signals from one or more DJ-4114A Voice-Matic microphone input modules. The main sound reinforcement output includes a stepless NOM attenuator. The auxiliary output provides a programmable mix of gated and ungated system inputs suitable for broadcast or recording feeds. Two auxiliary line level inputs are also provided. A linking interface provides a method of combining mixer control signals for room combining applications.

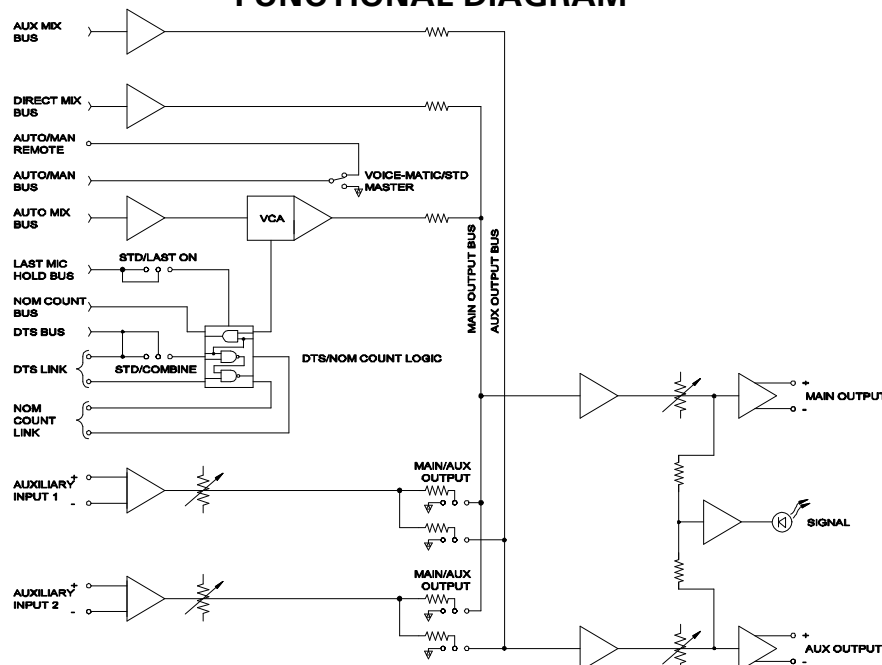
DESIGN SYMBOL



FEATURES

- Smooth Continuous NOM Gain Control
- Electronically Balanced Main and Auxiliary Outputs
- Two Electronically Balanced Auxiliary Line Inputs
- Master Voice-Matic/Standard Mode Selection via Local and/or Remote Switching
- Built In Linking Interface for Room Combining Applications
- Pin Jumper Selection of All Configuration Settings
- Removable Screw Clamp Style Input and Output Connectors
- Signal Present LED Indicator

FUNCTIONAL DIAGRAM



OPERATION

Refer to DJ-4114A Voice-Matic Microphone Input Module for a basic description of the Voice-Matic operating principal.

The DJ-4115A mixes the input signals from all the DJ-4114A modules in the system. The main output is the jumper configurable mix of (1) the gated microphone signals with NOM level control, (2) the signals from microphones placed in direct mode, and (3) the auxiliary input signals. The auxiliary output is jumper configurable to mix gated or direct (ungated) microphone signals as well as auxiliary input signals. The Voice-Matic/Standard mode switch allows all microphone channels to be changed between standard mixing to Voice-Matic mixing. The Dynamic Threshold Sensing (DTS) reference voltage source and the NOM attenuator functions are located on the DJ-4115A.

A master Voice-Matic/Standard Mode switch function provides a master override of all Voice-Matic functions and places the mixer entirely in standard direct operating mode. The override function can be remotely activated via an open collector or dry contact connection to ground.

SPECIFICATIONS

MAIN OUTPUT	Standard <i>SYSTEM 41</i> active balanced
Maximum Output	+19dBV, unloaded
Impedance	200Ω for 600Ω or greater load
Mix	Gated microphone signals, NOM level controlled, aux inputs selected by jumpers
Connector	Two position pluggable terminal block
AUXILIARY OUTPUT	Standard <i>System 41</i> active balanced
Maximum Output	+19dBV, unloaded
Impedance	200Ω for 600Ω or greater load
Mix	Jumper selected, microphones pre or post gate, aux inputs
Connector	Two position pluggable terminal block
AUXILIARY INPUT #1 & #2	Standard <i>System 41</i> active balanced
Impedance	82kΩ balanced, 41kΩ unbalanced
Maximum Input	+19dBV
Gain	0dB nominal, 20dB maximum
Connector	Three position pluggable terminal block
LINKING INTERFACE (For Voice-Matic® Room Combining)	
Connector	RJ-12 modular jack
CURRENT CONSUMPTION	55 mA maximum
MODULE SPACE	One unit, 1.2 inches

ARCHITECT'S SPECIFICATIONS

(Add DJ-4114A data sheet for complete specification)

The automatic microphone mixing system master module shall provide two outputs. The main output for sound reinforcement shall be the mix of gated, NOM level controlled, microphones, direct microphones, and two line level auxiliary inputs. An auxiliary output shall be jumper programmable to form a mix of gated and ungated microphones and two auxiliary line level inputs and shall be suitable for recording or broadcast applications. Both outputs shall be monitored by a signal presence LED. The master module shall provide a linking interface for true automatic mixing functionality in room combining applications.

The automatic master output amplifier shall mount in and be powered by the IRP Model DJ-4100, DJ-4101, or DJ-4150 mainframe. The automatic master module shall be the IRP Model DJ-4115A Voice-Matic Master Module.

ORDERING INFORMATION

Specify: DJ-4115A Voice-Matic Master