

PERTRONIC INDUSTRIES LTD

REDBACK A2055 PRE-AMPLIFIER MODULE

INSTALLATION NOTE ISSUE 3



Overview:

The Redback A2055 Pre-amplifier module may be used to boost the input level to the Pertronic 50W Amplifier Pre-amp board; it is used in situations where the microphone is connected at distances too great to operate at microphone-level input or where the microphone input is feeding more than four (4) amplifiers.

The Redback A2055 Pre-amplifier contains a selectable balanced / unbalanced microphone input, and two aux inputs.

The Redback pre-amplifier output may be connected directly into the 50W Amplifier's Pre-amp 'LINE' input.

The Redback pre-amplifier may be powered from the panel's 24Vdc monitored supply, or from a remote 15V to 30Vdc supply. It is recommended that the panel's supply be used because it is monitored.

Dimensions: 100 x 56 x 22: L x W x D

Installation:

Connections:

Microphone	Redback 2055 Pre-Amp	50W Pre-Amp	Power Supply
3. Microphone +ve	MIC +ve		
2. Microphone -ve	MIC -ve		
1. Microphone Shield	Gnd		
4. PTT +ve		SWITCH COM	
5. PTT -ve		SWITCH N/O	
	Line Output +ve	LINE +	
	Line Output -ve	SHLD L-	
	Mic Cable Shield	SHLD L-	
	Power 1		+24Vdc
	Power 2		0V

Jumpers:

Jumper	Status	Comment
JP1	FIT	- select SIN for single mode power supply, not BAL for dual mode
JP2 & JP3	FIT	- for SINGLE mode power supply
JP4	FIT	- for unbalanced microphone (REDBACK Desk-Mount or Fist mic)
	ABSENT	- for balanced microphone

Failure to connect the microphone Shield may reduce the quality of the signal received by the 50W Amplifier Pre-amp; however, the shield must not be connected to panel Earth because Earth Leakage currents caused may impact the quality of the signal received.

Wiring Diagram:

