

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 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 24Vdc monitored supply, or a remote 15V to 30Vdc supply. It is recommended that the panel supply be used as this 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 also impact the quality of the signal received.

Fig1. Wiring Diagram:

