Keiga

Keiga Electronic Inc.
8F-1, No. 176, Jian 1st Road, Zhonghe Dist.,
New Taipei City 23553, Taiwan (R.O.C.)

Audio Amplifier JDM, ODM & OEM
Home, Commercial, Automotive, Marine, RV, PC and Speaker Integration Systems
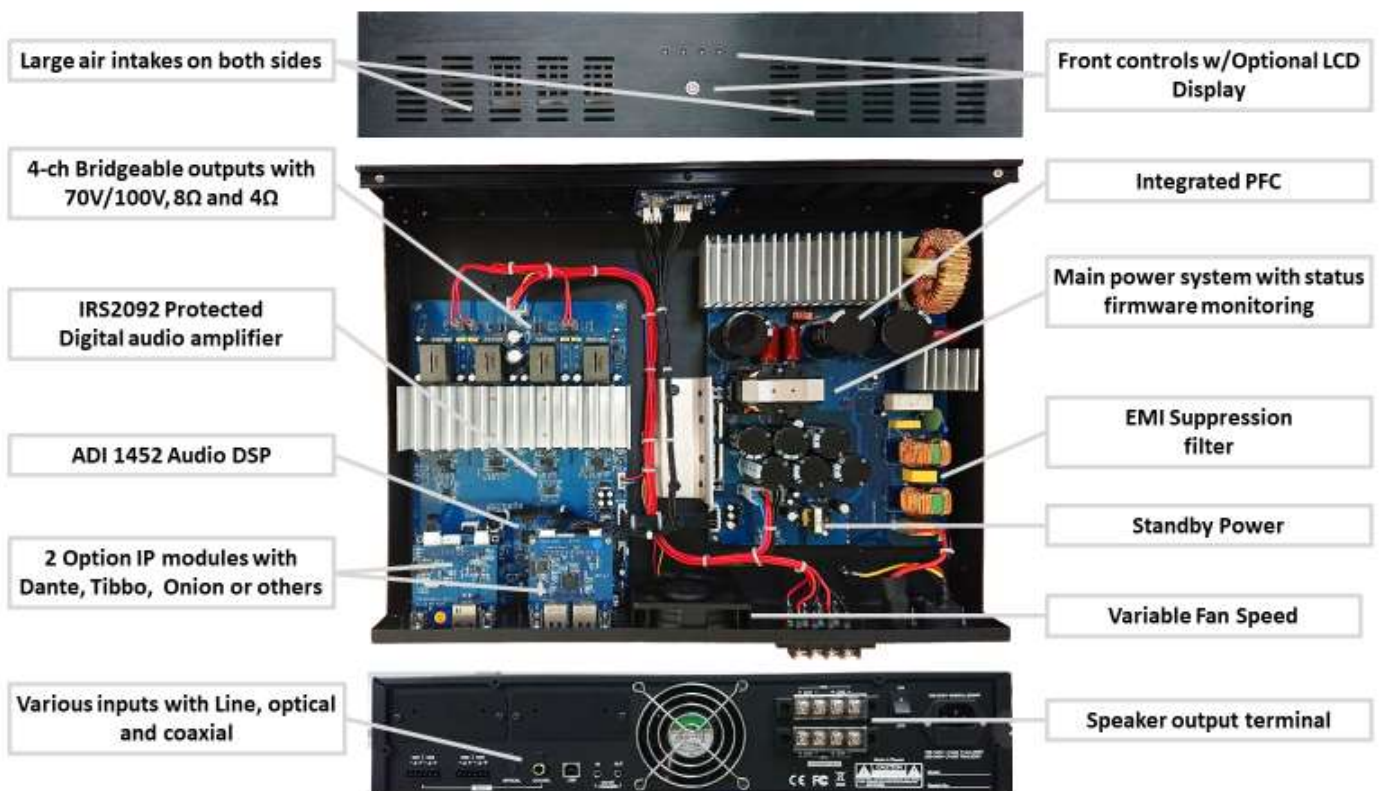TEL#: +886-2-8227-1020
Fax# : +886-2-8227-1070
V2.0 June ©2020

RH-2004 High Voltage Distribution Rack-Mounted Amplifiers

Preliminary

Powerful yet versatile with 2 network board slots for optional Dante, IP, or Streaming

- 2RU Class D 4-channel 2000 watts bridgeable power amplifier
- Various 70v, 100v, 70V-4Ω, 8Ω, and 4Ω output modes (16Ω and 2Ω optional for customization)
- Built-in ADI 1452 DSP, IRS 2092, and Integrated PFC circuitries
- 2 board slots for optional IP controls, Dante™ Network, Stream Unlimited™, Libre™, Tibbo™, Onion™ control module, etc.
- Front panel LED indicators (Customizable with LCD or small device controls)
- For driving outdoors, large spaces and multi-zone applications
- Available for private labelled, front/real panel stylization, and functions/features customization.

See specification on the back of this datasheet.

Made in Taiwan!

Large air intakes on both sides

4-ch Bridgeable outputs with 70V/100V, 8Ω and 4Ω

IRS2092 Protected Digital audio amplifier

ADI 1452 Audio DSP

2 Option IP modules with Dante, Tibbo, Onion or others

Various inputs with Line, optical and coaxial

Front controls w/Optional LCD Display

Integrated PFC

Main power system with status firmware monitoring

EMI Suppression filter

Standby Power

Variable Fan Speed

Speaker output terminal

About KEIGA:

Founded in 1996, KEIGA Electronic Inc. has been and continued to be the silent partner, behind the scenes technical engine and one-stop designation, from concept design, product development, production and testing, to finished goods, for the global audio JDM, ODM and OEM customers.

For manufacturing stability, KEIGA has been allied and contracted the majority capacity of Gigatek Inc. and Top Union Inc., two global full-service Electronics Manufacturing Service provider, to offer high-mix/low-volume, quick response and costs saving productions. KEIGA has achieved over 100,000,000 units of audio related products for its customers in the Custom Installation, Automobile, Consumer Electronics and PC industries.

A	# of channel			4	
Function	Maximum device-output power			2000W	
	DSP (pre-amp)			ADI 1452	
	Power amplifier			Class D	
	Power supply			Switching Mode	110V/220V
	Audio IO (Rear Panel)	Local input	line-in	Channel 1-4	Euroblock balance input * 8
			optical	1	Toslink
			coaxial	1	RCA Terminal
			T2 Slot	2	For Dante or IP control upgrade
		Output	speaker	4 Pairs	Barrier terminal
	Front panel	LCD Display		Optional	through USB by Windows PC
		Status LED		Yes	Normal / Protection / Signal
		Clipping LED		Yes	Each LED for 4 channel / individule clipping monitor through USB
	DC 12V trigger (Rear Panel)	In		Yes	3.5mm T + S
		Out		Yes	3.5mm T + S
	Audio trigger	Mode		Yes	On/Off/Auto
	AC line	Operation voltage		110 - 240V	110 ~ 240V, +-10%, Auto switch
		Master switch		Yes	
	Others	PC interface		USB2.0/Type B	

B	DSP function	Crossover setting		Yes	High Pass / Low Pass
specification		PEQ		Yes	Frequency, Gain & Q factor
		GEQ		Yes	10 Bands, 3 Presets, 2 Users and with default.
		Sub-Out	Delay	Yes	For Subwoofer, 0 - 80ms
			Phase	Yes	For Subwoofer, 0 - 315 degree and 45 degree per step
			Filter	Yes	Subsonic frequency or Crossover with frequency and slope
	Protection with auto-reset			Yes	
	Minimum Guaranteed Power	70V mode		800W x 2	
		100V mode		1000W x 2	
		70V-4ohms mode		800W x 1 500W x 2	
		8 ohms mode		1000W x 2	
		4 ohms mode		500W x 4	
		2 ohms mode		TBD	(Optional)
	THD @ full power			< 1%	@4Ω
	THD @ 1/8 full power			< 0.1%	@4Ω
	Signal-to-noise ratio	dB		~100 dB	A-weighted
	Input sensitivity	mV		1000	Trimmer is available in software, higher level from request
	Fuse Rating			16A	
	Accessory in box	Power cord	US/Can	Yes	US version
			Others	None	UK / EU / AUS
		Remote controller		TBD	To be customized per customer request
		Mounting bracket		TBD	To be customized per customer request
		User's manual		TBD	To be customized per customer request
	Amplifier dimension (mm)	Width		450	
		Height		103	
		Depth		366	