




		4 - 3 - 2 CHs , high voltage uses			rack-mount and 2U			
description	Model #	RH-1004	RH-1003	RH-1002	Remark			
	description		DSP integrated amplifier in 70V-100V + 4Ω~8Ω switchable 1000w maximum output in total DSP inside, providing crossover / EQ settings and presets Analog and optical + coaxial (PCM audio) inputs IR-controllable DC12V trigger (input + output) Digi-bay function for advanced setting via smart devices Sub-out for extra bass					
function	# of channel	4	3	2				
	DSP (pre-amp)	ADI 1761	ADI 1761	ADI 1761				
	power amplifier	class D	class D	class D				
	type of power supply	switching mode	switching mode	switching mode	Active Power Factor Correction			
	remote control	IR (use handset)	Yes	Yes	Yes			
		IR IN/OUT (IR emmitter required)	Yes	Yes	Yes	3.5mm T+S		
	audio IO (TERMINAL)	input	line	4	3	2	RCA	
			optical	1	1	1	toslink	
			coaxial	1	1	1	RCA	
			D-bay	1	1	1	RJ-45 (balanced audio-in / data)	
		output	speaker	4 pairs	3 pairs	2 pairs	Barrier terminal	
			Line-out	4	3	2	RCA	
			sub-out	1	1	1	RCA	
	Display	LCD	16 char X 2 lines	16 char X 2 lines	16 char X 2 lines			
		STATUS LED	yes	yes	yes			
		SIGNAL LED	yes	yes	yes			
		CLIPPING LED	yes	yes	yes			
DC12 trigger	IN	1	1	1	3.5mm T+S			
	OUT	1	1	1	3.5mm T+S			
audio trigger	mode	on / off / auto	on / off / auto	on / off / auto	software setting			
AC line	operation voltage	110V - 240V ac	110V - 240V ac	110V - 240V ac	+10%; auto switch			
Others	mode selector	100V-70V-4Ω	100V-70V-4Ω	100V-70V-4Ω	software setting			
	mode lock	slide switch	slide switch	slide switch	lock/unlock on back panel			
	PC interface	USB 2.0 / type A	USB 2.0 / type A	USB 2.0 / type A				
specifications	output ratings	By Channel			ch1 / ch2 / ch3 / ch4	ch1 / ch2 / ch3	ch1 / ch2	
		70V-70V mode	250 / 250 / 250 / 250	250 / 250 / 500	500w / 500w			
		100V-100V mode	250 / 250 / 250 / 250	250 / 250 / 500	500w / 500w			
		70V-4Ω load	250 / 250 / 250 / 250	250 / 250 / 500	500w / 500w			
		100V-4Ω mode	250 / 250 / 250 / 250	250 / 250 / 500	500w / 500w			
	DSP Function	PEQ	yes	yes	yes	frequency, gain, Q-factor		
		GEQ	10 bands	10 bands	10 bands	flat, preset x3, user's x2, default		
		Crossover	HP/LP	HP/LP	HP/LP	frequency, slope		
		Subwoofer	Filter	Subsonic/Crossover	Subsonic/Crossover	Subsonic/Crossover	frequency / frequency, slope	
			Delay time	yes	yes	yes	0 - 70mS	
			Phase	yes	yes	yes	0 - 315°, 45°/step	
		Audio trigger		yes	yes	yes	ON/OFF, H/M/L sensitivity	
			Delay-off	yes	yes	yes	5, 3, 1 mins	
	DC12 Trigger	yes	yes	yes	ON/OFF			
	Device monitoring	yes	yes	yes	power, thermal, fan speed			
	Preset / user's program		3 / 2	3 / 2	3 / 2			
	protection with auto-reset	yes	yes	yes				
	THD @ full power	4 ohms	< 1%	< 1%	< 1%			
	THD @ 1/8 full power	4 ohms	< 0.1%	< 0.1%	< 0.1%			
	Signal-to-noise	dB	> 85dB	> 85dB	> 85dB	A-weighted		
	max Input sensitivity	mV	500	500	500	trimmer is available in APP higher level is available on request		
	Fuse Rating	A	10	10	10	120Vac		
	amplifier dimension (mm)	width	witout ears	450.0	450.0	450.0		
with ears			482.0	482.0	482.0			
height			103.0	103.0	103.0	2U		
		depth	366.0	366.0	366.0			

RH1004 panel overview

