

Processor settings for XY Series

In the case of using amplifier made by Powersoft, preset data downloading is available on following URL. http://pioneerproaudio.com/resources/sound/xy/xyseries_presets_for_powersoft_v3_0.zip

In other case, please refer to following table and set parameters manually.

XY Series combination list

No	Preset Page	Use-case	Full-Range	Subwoofer
1	2		XY-81	
2	2		XY-101	
3	2		XY-122	
4	2		XY-152	
5	3	Single-Use		XY-115S
6	3			XY-118S
7	3		-	XY-215S
8	3			XY-218S
9	4			XY-218HS
10	5			XY-115S
11	5		XY-81	XY-118S
12	6			XY-215S
13	7			XY-115S
14	7		XY-101	XY-118S
15	8			XY-215S
16	9			XY-115S
17	9	Combination-Use		XY-118S
18	10	Combination-ose	XY-122	XY-215S
19	11		V1-177	XY-215S & XY-218HS
20	12			XY-218S
21	12			XY-218HS
22	13			XY-118S
23	14		XY-152	XY-215S
24	15		VI-127	XY-218S
25	16			XY-218HS

Preset version 3.0 July. 2016



Combination No		·	1	2	3	4
Speaker Model			XY-81	XY-101	XY-122	XY-152
	GAIN		0 dB	0 dB	0 dB	0 dB
General	Delay		-	-	-	-
	Polarity		Normal	Normal	Normal	Normal
	Hi nass	Type /Slope	L-R 24dB/oct	L-R 24dB/oct	L-R 24dB/oct	Butterworth 24dB/oct
CrossOver	Hi-pass	Freq.	35 Hz	32 Hz	20 Hz	32 Hz
Settings	Low pass	Type /Slope	-	-	-	L-R 24dB/oct
	Low-pass	Freq.	-	-	-	20014 Hz
		Туре	-	Peaking	Peaking	Peaking
	LO1	Freq	-	82 Hz	3388 Hz	42 Hz
	EQ1	Q (Bandwidth)	-	Q: 2 (Bandwidth: 0.7oct)	Q: 0.7 (Bandwidth: 1.9oct)	Q: 1.6 (Bandwidth: 0.9oct)
		Gain	-	+2.0dB	-2.5dB	+0.7dB
		Туре	-	Peaking	High-Shelving	Peaking
	LO3	Freq	-	1198 Hz	2997 Hz	86 Hz
	EQ2	Q (Bandwidth)	-	Q: 1.8 (Bandwidth: 0.8oct)	slope 0.75 dB/oct	Q: 2 (Bandwidth: 0.7oct)
qualizer		Gain	-	-1.5dB	-1.5dB	+3.0dB
Settings		Туре	-	High-Shelving	-	Peaking
	LO3	Freq	-	1000 Hz	-	172 Hz
	EQ3	Q (Bandwidth)	-	slope 0.5 dB/oct	-	Q: 2 (Bandwidth: 0.7oct)
		Gain	-	-2.0dB	-	-1.2dB
		Туре	-	-	-	High-Shelving
	F04	Freq	-	-	-	1233 Hz
	EQ4	Q (Bandwidth)	-	-	-	slope 0.26 dB/oct
		Gain	-	-	-	-2.4dB
Peak Limitter	Amplifior Ir	nput Voltage*	1.33 V	1.42 V	1.42 V	1.81 V
	Ampliner	iput voitage	4.7dBu	5.3dBu	5.3dBu	7.4dBu
Settings	Amplifier O	utput Voltage	52.92 V	56.57 V	56.57 V	72.11 V

^{*}Amplifier Input Voltage calculated at Amplifier gain of 32 dB



Combination No	· · · · · · · · · · · · · · · · · · ·		8			
Speaker Model			XY-115S	XY-118S	XY-215S	XY-218S
GAIN			0 dB	0 dB	0 dB	0 dB
General	Delay		-	-	-	-
	Polarity		Normal	Normal	Normal	Normal
	Hi pass	Type /Slope	L-R 24dB/oct	L-R 24dB/oct	Butterworth 24dB/oct	L-R 24dB/oct
CrossOver	Hi-pass	Freq.	40 Hz	32 Hz	35 Hz	24 Hz
Settings	Low pass	Type /Slope	Butterworth 24dB/oct	L-R 24dB/oct	Butterworth 24dB/oct	Butterworth 24dB/oct
	Low-pass	Freq.	115 Hz	110 Hz	110 Hz	115 Hz
		Туре	Peaking	-	-	Peaking
	FO1	Freq	84 Hz	-	-	78 Hz
	EQ1	Q (Bandwidth)	Q: 1.7 (Bandwidth: 0.45oct)	-	-	Q: 2.9 (Bandwidth: 0.5oct)
		Gain	+1.5dB	-	-	+2.0dB
		Туре	-	-	-	Peaking
	F03	Freq	-	-	-	210 Hz
	EQ2	Q (Bandwidth)	-	-	-	Q: 2.5 (Bandwidth: 0.6oct)
qualizer		Gain	-	-	-	+3.0dB
Settings		Туре	-	-	-	-
	FO2	Freq	-	-	-	-
	EQ3	Q (Bandwidth)	-	-	-	-
		Gain	-	-	-	-
		Туре	-	-	-	-
	FO4	Freq	-	-	-	-
	EQ4	Q (Bandwidth)	-	-	-	-
		Gain	-	-	-	-
Peak Limitter	Amplifior I	nput Voltage*	1.67 V	2.25 V	1.42 V	2.01 V
	Ampliner	iput voitage	6.6dBu	9.2dBu	5.3dBu	8.3dBu
Settings	Amplifier O	utput Voltage	66.33 V	89.44 V	56.57 V	80.00 V

^{*}Amplifier Input Voltage calculated at Amplifier gain of 32 dB





Combination No	L		9
Speaker Model			XY-218HS
	GAIN		0 dB
General	Delay		-
Certeral	Polarity		Normal
	∐i pacc	Type /Slope	L-R 24dB/oct
CrossOver	Hi-pass	Freq.	22 Hz
Settings	Low pace	Type /Slope	L-R 24dB/oct
	Low-pass	Freq.	70 Hz
		Туре	-
	EQ1	Freq	-
	EQI	Q (Bandwidth)	-
		Gain	-
	EQ2	Туре	-
		Freq	-
	EQZ	Q (Bandwidth)	-
Equalizer		Gain	-
Settings		Туре	-
	EQ3	Freq	-
	EQS	Q (Bandwidth)	-
		Gain	-
		Туре	-
	EQ4	Freq	-
	EQ4	Q (Bandwidth)	-
		Gain	-
Peak Limitter	Amplifier I	nput Voltage*	1.88 V
Settings	Ampimer II	iput voitage	7.7dBu
oettiiigs	Amplifier O	utput Voltage	74.83 V

^{*}Amplifier Input Voltage calculated at Amplifier gain of 32 dB





Combination No)		1	0	1	1
Combination			XY-81 wit	h XY-115S	XY-81 wit	h XY-118S
Speaker Model			XY-81	XY-115S	XY-81	XY-118S
	GAIN		0 dB	+5.5dB	0 dB	+5.7dB
General	Delay*		0.15ms	0.00ms	1.34ms	0.00ms
	Polarity		Normal	Normal	Normal	Normal
	Hi pacc	Type /Slope	L-R 24dB/oct	L-R 24dB/oct	L-R 24dB/oct	L-R 24dB/oct
CrossOver	Hi-pass	Freq.	90 Hz	41 Hz	95 Hz	32 Hz
Settings	Low-pass	Type /Slope	L-R 24dB/oct	Butterworth 24dB/oct	L-R 24dB/oct	L-R 24dB/oct
	Low-pass	Freq.	20014 Hz	123 Hz	20014 Hz	110 Hz
		Туре	Peaking	Peaking	Peaking	Peaking
	EQ1	Freq	2294 Hz	67 Hz	2294 Hz	60 Hz
	EQI	Q (Bandwidth)	Q: 3 (Bandwidth: 0.5oct)	Q: 4 (Bandwidth: 0.35oct)	Q:3 (Bandwidth: 0.5oct)	Q: 3 (Bandwidth: 0.5oct)
		Gain	+1.5dB	-2.0dB	+1.5dB	+1.0dB
		Туре	Peaking	Peaking	Peaking	Peaking
	EQ2	Freq	2808 Hz	84 Hz	2808 Hz	145 Hz
	LQZ	Q (Bandwidth)	Q: 1.5 (Bandwidth: 0.95oct)	Q: 2 (Bandwidth: 0.7oct)	Q: 1.5 (Bandwidth: 0.95oct)	Q: 3 (Bandwidth: 0.5oct)
Equalizer		Gain	-2.0dB	+2.0dB	-2.0dB	-2.0dB
Settings		Туре	-	Peaking	-	ı
	EQ3	Freq	-	210 Hz	-	ı
	LQS	Q (Bandwidth)	-	Q: 3 (Bandwidth: 0.5oct)	-	ı
		Gain	-	+2.0dB	-	ı
		Туре	-	-	-	1
	EQ4	Freq	-	-	-	-
	LQ4	Q (Bandwidth)	-	-	-	ı
		Gain	-	-	-	-
Peak Limitter	Amplifier In	nput Voltage**	1.33 V	1.67 V	1.33 V	2.25 V
Settings	Ampliner	iput voitage	4.7dBu	6.6dBu	4.7dBu	9.2dBu
Jettiligs	Amplifier O	utput Voltage	52.92 V	66.33 V	52.92 V	89.44 V

^{*}Delay time when a fullrange speaker is pole-mounted.

^{**}Amplifier Input Voltage calculated at Amplifier gain of 32 dB





Combination No	1		12		
Combination			XY-81 with	XY-215S	
Speaker Model			XY-81	XY-215S	
	GAIN		0 dB	-2.8dB	
General	Delay*		2.52ms	0.00ms	
	Polarity		Normal	Normal	
	Hi-pass	Type /Slope	L-R 24dB/oct	Butterworth 24dB/oct	
CrossOver	пі-разз	Freq.	105 Hz	35 Hz	
Settings	Low-pass	Type /Slope	L-R 24dB/oct	Butterworth 24dB/oct	
	Low-pass	Freq.	0 dB 2.52ms Normal L-R 24dB/oct 105 Hz L-R 24dB/oct 17959 Hz Peaking 2294 Hz Q: 3 (Bandwidth: 0.5oct) +1.5dB Peaking 2808 Hz Q: 1.5 (Bandwidth: 0.95oct) -2.0dB	125 Hz	
		Туре	Peaking	-	
	EQ1	Freq	2294 Hz	-	
	LQI	Q (Bandwidth)	Q:3 (Bandwidth:0.5oct)	-	
		Gain	+1.5dB	-	
		Туре	Peaking	-	
	EQ2	Freq 2808 Hz		-	
	LQZ	Q (Bandwidth)	Q: 1.5 (Bandwidth: 0.95oct)	-	
Equalizer		Gain	-2.0dB	-	
Settings		Туре	-	-	
	EQ3	Freq	-	-	
	LQS	Q (Bandwidth)	-	-	
		Gain	-	-	
		Туре	-	-	
	EQ4	Freq	-	-	
	LQ4	Q (Bandwidth)	-	-	
		Gain	-	-	
Peak Limitter	Amplifier I	nput Voltage**	1.33 V	1.42 V	
Settings	Ampimer ii	iput voitage	4.7dBu	5.3dBu	
Jettiiigs	Amplifier O	utput Voltage	52.92 V	56.57 V	

^{*}Delay time when a fullrange speaker is pole-mounted.

^{**}Amplifier Input Voltage calculated at Amplifier gain of 32 dB





Combination No)		1	3	1	4
Combination			XY-101 wi	th XY-115S	XY-101 wi	th XY-118S
Speaker Model			XY-101	XY-115S	XY-101	XY-118S
	GAIN		0 dB	+6.0dB	0 dB	+5.5dB
General	Delay*		0.75ms	0.00ms	1.54ms	0.00ms
	Polarity		Normal	Normal	Normal	Normal
	Hi-pass	Type /Slope	L-R 24dB/oct	L-R 24dB/oct	L-R 24dB/oct	L-R 24dB/oct
CrossOver	TII-pass	Freq.	95 Hz	40 Hz	105 Hz	34 Hz
Settings	Low-pass	Type /Slope	-	Butterworth 24dB/oct	-	L-R 24dB/oct
	LOW-pass	Freq.	-	115 Hz	-	110 Hz
		Туре	Peaking	Peaking	Peaking	Peaking
	EQ1	Freq	210 Hz	67 Hz	1198 Hz	58 Hz
	EQI	Q (Bandwidth)	Q:3 (Bandwidth: 0.5oct)	Q: 4 (Bandwidth: 0.35oct)	Q: 1.8 (Bandwidth: 0.8oct)	Q: 3 (Bandwidth: 0.5oct)
		Gain	+0.2dB	-2.2dB	-1.5dB	+0.5dB
		Туре	Peaking	Peaking	High-Shelving	Peaking
	EQ2	Freq	1198 Hz	84 Hz	1000 Hz	145 Hz
	LQZ	Q (Bandwidth)	Q: 1.8 (Bandwidth: 0.8oct)	Q:2 (Bandwidth:0.7oct)	slope 0.5 dB/oct	Q: 3 (Bandwidth: 0.5oct)
Equalizer		Gain	-1.5dB	+2.2dB	-2.0dB	-2.6dB
Settings		Туре	High-Shelving	Peaking	-	ı
	EQ3	Freq	1000 Hz	210 Hz	-	ı
	LQS	Q (Bandwidth)	slope 0.50 dB/oct	Q:3 (Bandwidth: 0.5oct)	-	-
		Gain	-2.0dB	+2.0dB	-	-
		Туре	-	ı	-	ı
	EQ4	Freq	-	-	-	-
	LQ4	Q (Bandwidth)	-	-	-	-
		Gain	-	-	-	-
Peak Limitter	Amplifier In	nput Voltage**	1.42 V	1.67 V	1.42 V	2.25 V
Settings	Ampliner	iput voitage	5.3dBu	6.6dBu	5.3dBu	9.2dBu
Jettiligs	Amplifier O	utput Voltage	56.57 V	66.33 V	56.57 V	89.44 V

^{*}Delay time when a fullrange speaker is pole-mounted.

^{**}Amplifier Input Voltage calculated at Amplifier gain of 32 dB





Combination No)		1	5
Combination			XY-101 wit	th XY-215S
Speaker Model			XY-101	XY-215S
	GAIN		0 dB	-3.0dB
General	Delay*		2.49ms	0.00ms
	Polarity		Normal	Normal
	Hi-pass	Type /Slope	L-R 24dB/oct	Butterworth 24dB/oct
CrossOver	пі-разз	Freq.	110 Hz	28 Hz
Settings	Low-pass	Type /Slope	-	Butterworth 24dB/oct
	LOW-pass	Freq.	-	120 Hz
		Туре	Peaking	Peaking
	EQ1	Freq. Type /Slope Freq. Type Freq	1198 Hz	55 Hz
	LQI	Q (Bandwidth)	Q: 1.8 (Bandwidth: 0.8oct)	Q:3 (Bandwidth:0.5oct)
		Gain	-1.5dB	+0.5dB
		Туре	High-Shelving	Peaking
	EQ2	Freq	1000 Hz	145 Hz
	LQZ	Q (Bandwidth)	slope 0.5 dB/oct	Q:3 (Bandwidth: 0.5oct)
Equalizer		Gain	-2.0dB	-2.0dB
Settings		Туре	-	Peaking
	EO3	Freq	-	239 Hz
	LQS	Q (Bandwidth)	-	Q:3 (Bandwidth: 0.5oct)
		Gain	-	-2.0dB
		Type	-	-
	Q (Bandwidth) Gain Type Freq	Freq	-	-
	LQ4	Q (Bandwidth)	-	-
		Gain	-	-
Peak Limitter	Amplifier I	nnut Voltage**	1.42 V	1.42 V
Settings	· ·		5.3dBu	5.3dBu
Jettings	Amplifier O	utput Voltage	56.57 V	56.57 V

^{*}Delay time when a fullrange speaker is pole-mounted.

^{**}Amplifier Input Voltage calculated at Amplifier gain of 32 dB





Combination No)		1	6	1	7
Combination			XY-122 wit	XY-122 with XY-115S		h XY-118S
Speaker Model			XY-122	XY-115S	XY-122 XY-118S	
GAIN			-5.8dB	+6.0dB	-5.5dB	+6.0dB
General	Delay*		0.00ms	0.76ms	0.49ms	0.00ms
	Polarity		Normal	Normal	Normal	Normal
	Hi-pass	Type /Slope	L-R 24dB/oct	L-R 24dB/oct	L-R 24dB/oct	L-R 24dB/oct
CrossOver	пі-разз	Freq.	74 Hz	40 Hz	85 Hz	32 Hz
Settings	Low-pass	Type /Slope	L-R 24dB/oct	Butterworth 24dB/oct	L-R 24dB/oct	L-R 24dB/oct
	LOW-pass	Freq.	20014 Hz	125 Hz	17959 Hz	110 Hz
		Туре	Peaking	Peaking	Peaking	Peaking
	EQ1	Freq	3152 Hz	67 Hz	3152 Hz	145 Hz
	EQI	Q (Bandwidth)	Q: 0.7 (Bandwidth: 1.9oct)	Q:3 (Bandwidth:0.5oct)	Q: 0.7 (Bandwidth: 1.9oct)	Q: 3 (Bandwidth: 0.5oct)
		Gain	-3.0dB	-2.0dB	-3.0dB	-2.0dB
		Туре	Peaking	Peaking	Peaking	-
	EQ2	Freq	4207 Hz	84 Hz	4207 Hz	-
	EQZ	Q (Bandwidth)	Q: 1.5 (Bandwidth: 0.95oct)	Q: 2 (Bandwidth: 0.7oct)	Q: 1.5 (Bandwidth: 0.95oct)	-
qualizer		Gain	-1.0dB	+2.0dB	-1.0dB	-
ettings		Туре	High-Shelving	Peaking	High-Shelving	-
	EQ3	Freq	2997 Hz	210 Hz	2997 Hz	=
	EQS	Q (Bandwidth)	slope 0.75 dB/oct	Q:3 (Bandwidth:0.5oct)	slope 0.75 dB/oct	=
		Gain	-1.5dB	+2.0dB	-1.5dB	=
		Туре	-	-	-	-
	EQ4	Freq	-	-	-	=
	EQ4	Q (Bandwidth)	-	-	-	=
		Gain	-	-	-	=
eak Limitter	Amplifier I	nput Voltage**	1.42 V	1.67 V	1.42 V	2.25 V
	Ampimer II	iput voitage	5.3dBu	6.6dBu	5.3dBu	9.2dBu
Settings	Amplifier O	utput Voltage	56.57 V	66.33 V	56.57 V	89.44 V

^{*}Delay time when a fullrange speaker is pole-mounted.

^{**}Amplifier Input Voltage calculated at Amplifier gain of 32 dB





Combination No			18		
Combination			XY-122 with XY-215S		
Speaker Model			XY-122	XY-215S	
	GAIN		0 dB	+2.0dB	
General	Delay		2.48ms*	0.00ms*	
	Polarity		Normal	Normal	
	Hi-pass	Type /Slope	L-R 24dB/oct	Butterworth 24dB/oct	
CrossOver	пі-разз	Freq.	95 Hz	28 Hz	
Settings	Low-pass	Type /Slope	L-R 24dB/oct	Butterworth 24dB/oct	
	LOW-pass	Freq.	20014 Hz	125 Hz	
		Туре	Peaking	-	
	EQ1	Freq	3152 Hz	-	
	EQI	Q (Bandwidth) Q: 0.7 (Bandwidth: 1.90c		-	
		Gain	-3.0dB	-	
		Туре	Peaking	-	
	EQ2	Freq	4207 Hz	-	
	EQZ	Q (Bandwidth)	Q: 1.5 (Bandwidth: 0.95oct)	-	
Equalizer		Gain	-1.0dB	-	
Settings		Туре	High-Shelving	-	
	EQ3	Freq	2997 Hz	-	
	EQS	Q (Bandwidth)	Normal	-	
		Gain	-1.5dB	-	
		Туре	-	-	
	EQ4	Freq	-	-	
	[504	Q (Bandwidth)	-	-	
		Gain	-	-	
Peak Limitter	Amplifier I	anut Voltago**	1.42 V	1.42 V	
Settings	Ampimer II	iput voitage	5.3dBu	5.3dBu	
ettiligs.	Amplifier O	utput Voltage	56.57 V	56.57 V	

^{*}Delay time when XY-122 is pole-mounted on XY-215S.

^{**}Amplifier Input Voltage calculated at Amplifier gain of 32 dB





Combination No Combination Speaker Model				19				
			Х	XY-122 with XY-215S, XY-218HS				
			XY-122	XY-215S	XY-218HS			
	GAIN		0 dB	+1.0dB	+6.0dB			
General	Delay		6.70ms*	2.50ms*	0.00ms*			
	Polarity		Normal	Reverse	Normal			
	Hi-pass	Type /Slope	Butterworth 24dB/oct	Butterworth 24dB/oct	L-R 36dB/oct			
CrossOver	тп-разз	Freq.	120 Hz	65 Hz	27 Hz			
Settings	Low-pass	Type /Slope	L-R 24dB/oct	Butterworth 24dB/oct	L-R 24dB/oct			
	LOW-pass	Freq.	20014 Hz	120 Hz	65 Hz			
		Туре	Peaking	-	-			
	EQ1	Freq	3152 Hz	-	=			
	LQI	Q (Bandwidth)	Q: 0.7 (Bandwidth: 1.9oct)	-	=			
		Gain	-3.0dB	-	-			
		Туре	Peaking	-	-			
	EQ2	Freq	4207 Hz	-	-			
	LQZ	Q (Bandwidth)	Q: 1.5 (Bandwidth: 0.95oct)	-	-			
Equalizer		Gain	-1.0dB	-	-			
Settings		Туре	High-Shelving	-	-			
	EQ3	Freq	2997 Hz	-	=			
	LQS	Q (Bandwidth)	slope 0.75 dB/oct	-	-			
		Gain	-1.5dB	-	-			
		Туре	-	-	-			
	EQ4	Freq	-	-	-			
	LQ4	Q (Bandwidth)	-	-	-			
		Gain	-	-	-			
Peak Limitter	Amplifier I	nput Voltage**	1.42 V	1.42 V	1.88 V			
Settings			5.3dBu	5.3dBu	7.7dBu			
Jettiligs	Amplifier O	utput Voltage	56.57 V	56.57 V	74.83 V			

^{*}Delay time for XY-122 and XY-215S, XY-218HS which are installed as follows:

XY-122 is pole-mounted on XY-215S which is installed vartically.

² units of XY-218HS installed between 2 stacks of XY-122 and XY-215S.

^{**}Amplifier Input Voltage calculated at Amplifier gain of 32 dB





Combination No			2	0	21	
Combination			XY-122 wit	th XY-218S	XY-122 with XY-218HS	
Speaker Model			XY-122	XY-218S	XY-122	XY-218HS
	GAIN		-1.0dB	+6.0dB	0 dB	+3.0dB
General	Delay		2.59ms*	0.00ms*	7.80ms**	0.00ms**
	Polarity		Normal	Normal	Normal	Normal
	Hi-pass	Type /Slope	L-R 24dB/oct	L-R 24dB/oct	L-R 24dB/oct	L-R 24dB/oct
CrossOver	Til-pass	Freq.	90 Hz	24 Hz	72 Hz	22 Hz
ettings	Low-pass	Type /Slope	L-R 24dB/oct	Butterworth 24dB/oct	L-R 24dB/oct	L-R 36dB/oct
	LOW-pass	Freq.	17959 Hz	90 Hz	17959 Hz	82 Hz
		Type	Peaking	Peaking	Peaking	-
	EQ1	Freq	3152 Hz	78 Hz	3152 Hz	-
	LQI	Q (Bandwidth)	Q: 0.7 (Bandwidth: 1.9oct)	Q: 2.9 (Bandwidth: 0.5oct)	Q: 0.7 (Bandwidth: 1.9oct)	-
		Gain	-3.0dB	+2.0dB	-3.0dB	-
	EQ2	Туре	Peaking	Peaking	Peaking	-
		Freq	4207 Hz	210 Hz	4207 Hz	=
	LQZ	Q (Bandwidth)	Q: 1.5 (Bandwidth: 0.95oct)	Q: 2.5 (Bandwidth: 0.6oct)	Q: 1.5 (Bandwidth: 0.95oct)	-
qualizer		Gain	-1.0dB	+3.0dB	-1.0dB	-
ettings		Туре	High-Shelving	-	High-Shelving	-
	EQ3	Freq	2997 Hz	-	2997 Hz	=
	LQS	Q (Bandwidth)	slope 0.75 dB/oct	-	slope 0.75 dB/oct	-
		Gain	-1.5dB	-	-1.5dB	-
		Type	-	-	-	-
	EQ4	Freq	-	-	-	-
		Q (Bandwidth)	-	-	-	-
		Gain	-	-	-	-
eak Limitter	Amplifier I	nput Voltage***	1.42 V	2.01 V	1.42 V	1.88 V
ettings	Ampimer II	iput voitage	5.3dBu	8.3dBu	5.3dBu	7.7dBu
ettirigs	Amplifier O	utput Voltage	56.57 V	80.00 V	56.57 V	74.83 V

^{*}Delay time for XY-122 and XY-218S which are installed as follows:

² units of XY-218S are set on the floor between 2 units of XY-122 with speaker stand.

^{**}Delay time for XY-122 and XY-218HS which are installed as follows:

XY-122 is set on XY-218HS which is installed vartically.

^{***}Amplifier Input Voltage calculated at Amplifier gain of 32 dB





Combination No)				22			
Combination				XY-15	52 with XY-118S			
Speaker Model			XY-152	XY-152		XY-118S		
General	GAIN		-7.0dB		+6.0dB	+6.0dB		
	Delay*		0.40ms		0.00ms	0.00ms		
	Polarity		Normal			Normal		
CrossOver	Hi-pass	Type /Slope	L-R 24dB/oct		L-R 24dB/oct			
		Freq.	85 Hz		32 Hz			
Settings	Low-pass	Type /Slope	L-R 24dB/oct		L-R 24dB/oct			
	LOW-pass	Freq.	20014 Hz		\(\frac{\text{V-152 with XY-118S}}{\text{ +6.0d}} \\ \text{ +6.0d} \\ \text{ 0.00n} \\ \text{ Norm} \\ \text{ L-R 24dE} \\ \text{ 32 H} \\ \text{ L-R 24dE} \\ \text{ 100 F} \\ \text{ EQ1} \\ \text{ Peaking} \\ \text{ 58 Hz} \\ \text{ Q : 3 (Bandwidth : 0.5oct)} \\ \text{ +0.5dB} \\ \text{ EQ2} \\ \text{ Peaking} \\ \text{ 145 Hz} \\ \text{ Q : 3 (Bandwidth : 0.5oct)} \\ \text{ -2.6dB} \\ \text{ EQ3} \\ \text{ -2.6dB} \\ \text{ EQ3} \\ \text{ -2.25} \\ \text{ 9.2dE} \\ 9.			
	EQ No.		EQ1	EQ4	EQ1	EQ4		
	Type		Peaking	=	Peaking	=		
	Freq		86 Hz	=	58 Hz	=		
	Q (Bandwidth)		Q: 2 (Bandwidth: 0.7oct)	-	Q:3 (Bandwidth: 0.5oct)	-		
	Gain		+1.5dB	=	+0.5dB	=		
	EQ No.		EQ2	EQ5	EQ2	EQ5		
Equalizer	Type	Peaking - Peaking	Peaking	-				
	Freq		172 Hz	-	145 Hz	-		
Settings	Q (Bandwidth)		Q: 2 (Bandwidth: 0.7oct)	-	Q:3 (Bandwidth: 0.5oct)	-		
	Gain		-1.2dB	-	-2.6dB	-		
	EQ No.		EQ3	EQ6	EQ3	EQ6		
	Туре		High-Shelving	-	-	-		
	Freq		1233 Hz	-	-	-		
	Q (Bandwidth)		slope 0.26 dB/oct	-	-	-		
	Gain		-2.0dB	-		-		
Peak Limitter	Amplifier Input Voltage**		1.81 V		2.25 V			
Peak Limitter Settings			7.4dBu		9.2dBu			
Jettings	Amplifier Output Voltage		72.11 V		89.44 V			

^{*}Delay time when a fullrange speaker is pole-mounted.

^{**}Amplifier Input Voltage calculated at Amplifier gain of 32 dB





Combination No)				23			
Combination				XY-152 v	with XY-215S			
Speaker Model			XY-15	XY-152		XY-215S		
General	GAIN		0 dB	0 dB		+2.6dB		
	Delay*		10.22r	10.22ms		0.00ms		
	Polarity		Normal		Normal			
CrossOver	Hi pacc	Type /Slope	L-R 24dB/oct		Butterworth 24dB/oct			
	Hi-pass	Freq.	80 Hz		29 Hz			
Settings	Low-pass	Type /Slope	L-R 24dB/oct		Butterworth 24dB/oct			
1	LOW-pass	Freq.	20014 Hz		127 Hz			
	EQ No.		EQ1	EQ4	EQ1	EQ4		
1	Type		Peaking	Low-Shelving	Peaking	-		
	Freq		57 Hz	65 Hz	130 Hz	-		
	Q (Bandwidth)		Q:3 (Bandwidth: 0.5oct)	slope 1 dB/oct	Q: 4 (Bandwidth: 0.35oct)	-		
	Gain		+2.0dB	+3.8dB	-0.5dB	-		
	EQ No.		EQ2	EQ5	EQ2	EQ5		
Farralia an	Туре		Peaking	High-Shelving	-	-		
Equalizer	Freq		86 Hz	1233 Hz	-	-		
Settings	Q (Bandwidth)		Q: 2.2 (Bandwidth: 0.65oct)	slope 0.26 dB/oct	-	-		
	Gain		+1.8dB	-1.7dB	-	-		
	EQ No.		EQ3	EQ6	EQ3	EQ6		
	Туре		Peaking	-	-	-		
	Freq		1424 Hz	-	-	=		
	Q (Bandwidth)		Q: 2 (Bandwidth: 0.7oct)	-	-	-		
	Gain		+1.2dB	-	-	-		
Peak Limitter	Amplifier I	nput Voltage**	1.81 V		1.42 V			
	Ampimer	iiput voitage	7.4dB	7.4dBu		5.3dBu		
Settings	Amplifier Output Voltage		72.11	72.11 V		56.57 V		

^{*}Delay time when a fullrange speaker is pole-mounted.

^{**}Amplifier Input Voltage calculated at Amplifier gain of 32 dB





Depending on the installation environment, change the settings of Delay and EQ, etc.

Combination No)				24			
Combination				XY-152 wi	th XY-218S			
Speaker Model			XY-:	XY-152		XY-218S		
General	GAIN		-1.0	-1.0dB		+6.0dB		
	Delay*		7.60	7.60ms		S		
	Polarity		Normal		Normal			
CrossOver	Hi-pass	Type /Slope	L-R 24dB/oct		L-R 24dB/oct			
	ni-pass	Freq.	80 Hz		28 Hz			
Settings	Low-pass	Type /Slope	L-R 24dB/oct		Butterworth 24dB/oct			
I	LOW-pass	Freq.	20014 Hz		115 Hz			
	EQ No.		EQ1	EQ4	EQ1	EQ4		
	Type		Peaking	Peaking	Peaking	=		
	Freq		45 Hz	1424 Hz	62 Hz	=		
	Q (Bandwidth)		Q: 1.6 (Bandwidth: 0.9oct)	Q:2 (Bandwidth:0.7oct)	Q: 3.4 (Bandwidth: 0.4oct)	-		
	Gain		+0.5dB	+1.2dB	+0.8dB	-		
	EQ No.		EQ2	EQ5	EQ2	EQ5		
Equalizer	Туре		Peaking	Low-Shelving	Peaking	-		
Settings	Freq		55 Hz	65 Hz	86 Hz	-		
Settings	Q (Bandwidth)		Q:3 (Bandwidth: 0.5oct)	slope 1 dB/oct	Q: 3.4 (Bandwidth: 0.4oct)	=		
	Gain		+2.0dB	+4.0dB	+0.5dB	=		
	EQ No.		EQ3	EQ6	EQ3	EQ6		
	Туре		Peaking	High-Shelving	Peaking	-		
	Freq		86 Hz	1233 Hz	250 Hz	-		
	Q (Bandwidth)		Q: 2.2 (Bandwidth: 0.65oct)	slope 0.26 dB/oct	Q: 3.5 (Bandwidth: 0.4oct)	-		
	Gain		+2.0dB	-1.7dB	+2.7dB	-		
Peak Limitter	Amplifier I	nput Voltage**	1.8	1.81 V		2.01 V		
Settings	Ampliner	iiput voitage		7.4dBu		8.3dBu		
	Amplifier Output Voltage		72.1	72.11 V		80.00 V		

^{*}Delay time for XY-152 and XY-218S which are installed as follows:

Using a loudspeaker stand to install XY-152.

2 units of XY-218S are set on the floor between 2 units of XY-152 with speaker stand.

^{**}Amplifier Input Voltage calculated at Amplifier gain of 32 dB





Combination No			ige the settings of Delay and Lee, etc.		25			
Combination				XY-152 wit	th XY-218HS			
Speaker Model			XY-152	XY-152		XY-218HS		
General	GAIN		0 dB		+3.0)dB		
	Delay*		8.10ms		0.00	lms		
	Polarity		Normal		Normal			
CrossOver	Hi pacc	Type /Slope	L-R 36dB/oct		L-R 24dB/oct			
	Hi-pass	Freq.	72 Hz		22 Hz			
Settings	Low-pass	Type /Slope	L-R 24dB/oct		L-R 36dB/oct			
		Freq.	20014 Hz		82 Hz			
	EQ No.		EQ1	EQ4	EQ1	EQ4		
	Туре		Peaking	-	-	-		
	Freq		1424 Hz	-	-	-		
	Q (Bandwidth)		Q: 2 (Bandwidth: 0.7oct)	-	-	-		
	Gain		+1.2dB	=	-	-		
	EQ No.		EQ2	EQ5	EQ2	EQ5		
Equalizor	Туре		High-Shelving	=	-	-		
Equalizer Settings	Freq		1233 Hz	=	-	-		
Settings	Q (Bandwidth)		slope 0.26 dB/oct	=	-	-		
	Gain		-1.5dB	=	-	-		
	EQ No.		EQ3	EQ6	EQ3	EQ6		
	Туре		-	=	-	-		
	Freq		-	=	-	-		
	Q (Bandwidth)		-	=	-	-		
	Gain		-	-	-	-		
Peak Limitter	Amplifier I	nnut Voltage**	1.81 V		1.88 V			
	Amplifier Input Voltage**		7.4dBu		7.7dBu			
Settings	Amplifier Output Voltage		72.11 V		74.83 V			

^{*}Delay time for XY-152 and XY-218S which are installed as follows: XY-152 is set on XY-218HS which is installed vartically.

^{**}Amplifier Input Voltage calculated at Amplifier gain of 32 dB