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	Single-Use	XY-81	-
2	2		XY-101	
3	2		XY-122	
4	2		XY-152	
5	3		-	XY-115S
6	3			XY-118S
7	3			XY-215S
8	3			XY-218S
9	4			XY-218HS
10	5	Combination-Use	XY-81	XY-115S
11	5			XY-118S
12	6			XY-215S
13	7		XY-101	XY-115S
14	7			XY-118S
15	8			XY-215S
16	9		XY-122	XY-115S
17	9			XY-118S
18	10			XY-215S
19	11			XY-215S & XY-218HS
20	12			XY-218S
21	12			XY-218HS
22	13		XY-152	XY-118S
23	14			XY-215S
24	15			XY-218S
25	16			XY-218HS

http://pioneerproaudio.com/

Processor settings for XY Series

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

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

*Amplifier Input Voltage calculated at Amplifier gain of 32 dB

Processor settings for XY Series

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

Combination No			5	6	7	8
Speaker Model			XY-115S	XY-118S	XY-215S	XY-218S
General	GAIN		0 dB	0 dB	0 dB	0 dB
	Delay		-	-	-	-
	Polarity		Normal	Normal	Normal	Normal
CrossOver Settings	Hi-pass	Type /Slope	L-R 24dB/oct	L-R 24dB/oct	Butterworth 24dB/oct	L-R 24dB/oct
		Freq.	40 Hz	32 Hz	35 Hz	24 Hz
	Low-pass	Type /Slope	Butterworth 24dB/oct	L-R 24dB/oct	Butterworth 24dB/oct	Butterworth 24dB/oct
		Freq.	115 Hz	110 Hz	110 Hz	115 Hz
Equalizer Settings	EQ1	Type	Peaking	-	-	Peaking
		Freq	84 Hz	-	-	78 Hz
		Q (Bandwidth)	Q : 1.7 (Bandwidth : 0.45oct)	-	-	Q : 2.9 (Bandwidth : 0.5oct)
		Gain	+1.5dB	-	-	+2.0dB
	EQ2	Type	-	-	-	Peaking
		Freq	-	-	-	210 Hz
		Q (Bandwidth)	-	-	-	Q : 2.5 (Bandwidth : 0.6oct)
		Gain	-	-	-	+3.0dB
	EQ3	Type	-	-	-	-
		Freq	-	-	-	-
		Q (Bandwidth)	-	-	-	-
		Gain	-	-	-	-
	EQ4	Type	-	-	-	-
		Freq	-	-	-	-
		Q (Bandwidth)	-	-	-	-
		Gain	-	-	-	-
Peak Limitter Settings	Amplifier Input Voltage*		1.67 V	2.25 V	1.42 V	2.01 V
			6.6dBu	9.2dBu	5.3dBu	8.3dBu
	Amplifier Output Voltage		66.33 V	89.44 V	56.57 V	80.00 V

*Amplifier Input Voltage calculated at Amplifier gain of 32 dB

http://pioneerproaudio.com/

Preset version 3.0 July. 2016

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

Combination No			9
Speaker Model			XY-218HS
General	GAIN		0 dB
	Delay		-
	Polarity		Normal
CrossOver Settings	Hi-pass	Type /Slope	L-R 24dB/oct
		Freq.	22 Hz
	Low-pass	Type /Slope	L-R 24dB/oct
		Freq.	70 Hz
Equalizer Settings	EQ1	Type	-
		Freq	-
		Q (Bandwidth)	-
		Gain	-
	EQ2	Type	-
		Freq	-
		Q (Bandwidth)	-
		Gain	-
	EQ3	Type	-
		Freq	-
		Q (Bandwidth)	-
		Gain	-
	EQ4	Type	-
		Freq	-
		Q (Bandwidth)	-
		Gain	-
Peak Limitter Settings	Amplifier Input Voltage*		1.88 V
			7.7dBu
	Amplifier Output Voltage		74.83 V

*Amplifier Input Voltage calculated at Amplifier gain of 32 dB

http://pioneerproaudio.com/

Processor settings for XY Series

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

Combination No			10		11	
Combination			**XY-81 with XY-115S**		**XY-81 with XY-118S**	
Speaker Model			XY-81	XY-115S	XY-81	XY-118S
General	GAIN		0 dB	+5.5dB	0 dB	+5.7dB
	Delay*		0.15ms	0.00ms	1.34ms	0.00ms
	Polarity		Normal	Normal	Normal	Normal
CrossOver Settings	Hi-pass	Type /Slope	L-R 24dB/oct	L-R 24dB/oct	L-R 24dB/oct	L-R 24dB/oct
		Freq.	90 Hz	41 Hz	95 Hz	32 Hz
	Low-pass	Type /Slope	L-R 24dB/oct	Butterworth 24dB/oct	L-R 24dB/oct	L-R 24dB/oct
		Freq.	20014 Hz	123 Hz	20014 Hz	110 Hz
Equalizer Settings	EQ1	Type	Peaking	Peaking	Peaking	Peaking
		Freq	2294 Hz	67 Hz	2294 Hz	60 Hz
		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
	EQ2	Type	Peaking	Peaking	Peaking	Peaking
		Freq	2808 Hz	84 Hz	2808 Hz	145 Hz
		Q (Bandwidth)	Q : 1.5 (Bandwidth : 0.95oct)	Q : 2 (Bandwidth : 0.7oct)	Q : 1.5 (Bandwidth : 0.95oct)	Q : 3 (Bandwidth : 0.5oct)
		Gain	-2.0dB	+2.0dB	-2.0dB	-2.0dB
	EQ3	Type	-	Peaking	-	-
		Freq	-	210 Hz	-	-
		Q (Bandwidth)	-	Q : 3 (Bandwidth : 0.5oct)	-	-
		Gain	-	+2.0dB	-	-
	EQ4	Type	-	-	-	-
		Freq	-	-	-	-
		Q (Bandwidth)	-	-	-	-
		Gain	-	-	-	-
Peak Limitter Settings	Amplifier Input Voltage**		1.33 V	1.67 V	1.33 V	2.25 V
			4.7dBu	6.6dBu	4.7dBu	9.2dBu
	Amplifier Output 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

Processor settings for XY Series

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

Combination No			12	
Combination			**XY-81 with XY-215S**	
Speaker Model			XY-81	XY-215S
General	GAIN		0 dB	-2.8dB
	Delay*		2.52ms	0.00ms
	Polarity		Normal	Normal
CrossOver Settings	Hi-pass	Type /Slope	L-R 24dB/oct	Butterworth 24dB/oct
		Freq.	105 Hz	35 Hz
	Low-pass	Type /Slope	L-R 24dB/oct	Butterworth 24dB/oct
		Freq.	17959 Hz	125 Hz
Equalizer Settings	EQ1	Type	Peaking	-
		Freq	2294 Hz	-
		Q (Bandwidth)	Q : 3 (Bandwidth : 0.5oct)	-
		Gain	+1.5dB	-
	EQ2	Type	Peaking	-
		Freq	2808 Hz	-
		Q (Bandwidth)	Q : 1.5 (Bandwidth : 0.95oct)	-
		Gain	-2.0dB	-
	EQ3	Type	-	-
		Freq	-	-
		Q (Bandwidth)	-	-
		Gain	-	-
	EQ4	Type	-	-
		Freq	-	-
		Q (Bandwidth)	-	-
		Gain	-	-
Peak Limitter Settings	Amplifier Input Voltage**		1.33 V	1.42 V
			4.7dBu	5.3dBu
	Amplifier Output 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

http://pioneerproaudio.com/

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

Combination No			13		14	
Combination			**XY-101 with XY-115S**		**XY-101 with XY-118S**	
Speaker Model			XY-101	XY-115S	XY-101	XY-118S
General	GAIN		0 dB	+6.0dB	0 dB	+5.5dB
	Delay*		0.75ms	0.00ms	1.54ms	0.00ms
	Polarity		Normal	Normal	Normal	Normal
CrossOver Settings	Hi-pass	Type /Slope	L-R 24dB/oct	L-R 24dB/oct	L-R 24dB/oct	L-R 24dB/oct
		Freq.	95 Hz	40 Hz	105 Hz	34 Hz
	Low-pass	Type /Slope	-	Butterworth 24dB/oct	-	L-R 24dB/oct
		Freq.	-	115 Hz	-	110 Hz
Equalizer Settings	EQ1	Type	Peaking	Peaking	Peaking	Peaking
		Freq	210 Hz	67 Hz	1198 Hz	58 Hz
		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
	EQ2	Type	Peaking	Peaking	High-Shelving	Peaking
		Freq	1198 Hz	84 Hz	1000 Hz	145 Hz
		Q (Bandwidth)	Q : 1.8 (Bandwidth : 0.8oct)	Q : 2 (Bandwidth : 0.7oct)	slope 0.5 dB/oct	Q : 3 (Bandwidth : 0.5oct)
		Gain	-1.5dB	+2.2dB	-2.0dB	-2.6dB
	EQ3	Type	High-Shelving	Peaking	-	-
		Freq	1000 Hz	210 Hz	-	-
		Q (Bandwidth)	slope 0.50 dB/oct	Q : 3 (Bandwidth : 0.5oct)	-	-
		Gain	-2.0dB	+2.0dB	-	-
	EQ4	Type	-	-	-	-
		Freq	-	-	-	-
		Q (Bandwidth)	-	-	-	-
		Gain	-	-	-	-
Peak Limitter Settings	Amplifier Input Voltage**		1.42 V	1.67 V	1.42 V	2.25 V
			5.3dBu	6.6dBu	5.3dBu	9.2dBu
	Amplifier Output 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

Processor settings for XY Series

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

Combination No			15	
Combination			**XY-101 with XY-215S**	
Speaker Model			XY-101	XY-215S
General	GAIN		0 dB	-3.0dB
	Delay*		2.49ms	0.00ms
	Polarity		Normal	Normal
CrossOver Settings	Hi-pass	Type /Slope	L-R 24dB/oct	Butterworth 24dB/oct
		Freq.	110 Hz	28 Hz
	Low-pass	Type /Slope	-	Butterworth 24dB/oct
		Freq.	-	120 Hz
Equalizer Settings	EQ1	Type	Peaking	Peaking
		Freq	1198 Hz	55 Hz
		Q (Bandwidth)	Q : 1.8 (Bandwidth : 0.8oct)	Q : 3 (Bandwidth : 0.5oct)
		Gain	-1.5dB	+0.5dB
	EQ2	Type	High-Shelving	Peaking
		Freq	1000 Hz	145 Hz
		Q (Bandwidth)	slope 0.5 dB/oct	Q : 3 (Bandwidth : 0.5oct)
		Gain	-2.0dB	-2.0dB
	EQ3	Type	-	Peaking
		Freq	-	239 Hz
		Q (Bandwidth)	-	Q : 3 (Bandwidth : 0.5oct)
		Gain	-	-2.0dB
	EQ4	Type	-	-
		Freq	-	-
		Q (Bandwidth)	-	-
		Gain	-	-
Peak Limitter Settings	Amplifier Input Voltage**		1.42 V	1.42 V
			5.3dBu	5.3dBu
	Amplifier Output 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

Processor settings for XY Series

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

Combination No			16		17	
Combination			**XY-122 with XY-115S**		**XY-122 with XY-118S**	
Speaker Model			XY-122	XY-115S	XY-122	XY-118S
General	GAIN		-5.8dB	+6.0dB	-5.5dB	+6.0dB
	Delay*		0.00ms	0.76ms	0.49ms	0.00ms
	Polarity		Normal	Normal	Normal	Normal
CrossOver Settings	Hi-pass	Type /Slope	L-R 24dB/oct	L-R 24dB/oct	L-R 24dB/oct	L-R 24dB/oct
		Freq.	74 Hz	40 Hz	85 Hz	32 Hz
	Low-pass	Type /Slope	L-R 24dB/oct	Butterworth 24dB/oct	L-R 24dB/oct	L-R 24dB/oct
		Freq.	20014 Hz	125 Hz	17959 Hz	110 Hz
Equalizer Settings	EQ1	Type	Peaking	Peaking	Peaking	Peaking
		Freq	3152 Hz	67 Hz	3152 Hz	145 Hz
		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
	EQ2	Type	Peaking	Peaking	Peaking	-
		Freq	4207 Hz	84 Hz	4207 Hz	-
		Q (Bandwidth)	Q : 1.5 (Bandwidth : 0.95oct)	Q : 2 (Bandwidth : 0.7oct)	Q : 1.5 (Bandwidth : 0.95oct)	-
		Gain	-1.0dB	+2.0dB	-1.0dB	-
	EQ3	Type	High-Shelving	Peaking	High-Shelving	-
		Freq	2997 Hz	210 Hz	2997 Hz	-
		Q (Bandwidth)	slope 0.75 dB/oct	Q : 3 (Bandwidth : 0.5oct)	slope 0.75 dB/oct	-
		Gain	-1.5dB	+2.0dB	-1.5dB	-
	EQ4	Type	-	-	-	-
		Freq	-	-	-	-
		Q (Bandwidth)	-	-	-	-
		Gain	-	-	-	-
Peak Limitter Settings	Amplifier Input Voltage**		1.42 V	1.67 V	1.42 V	2.25 V
			5.3dBu	6.6dBu	5.3dBu	9.2dBu
	Amplifier Output 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

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

Combination No			18	
Combination			**XY-122 with XY-215S**	
Speaker Model			XY-122	XY-215S
General	GAIN		0 dB	+2.0dB
	Delay		2.48ms*	0.00ms*
	Polarity		Normal	Normal
CrossOver Settings	Hi-pass	Type /Slope	L-R 24dB/oct	Butterworth 24dB/oct
		Freq.	95 Hz	28 Hz
	Low-pass	Type /Slope	L-R 24dB/oct	Butterworth 24dB/oct
		Freq.	20014 Hz	125 Hz
Equalizer Settings	EQ1	Type	Peaking	-
		Freq	3152 Hz	-
		Q (Bandwidth)	Q : 0.7 (Bandwidth : 1.9oct)	-
		Gain	-3.0dB	-
	EQ2	Type	Peaking	-
		Freq	4207 Hz	-
		Q (Bandwidth)	Q : 1.5 (Bandwidth : 0.95oct)	-
		Gain	-1.0dB	-
	EQ3	Type	High-Shelving	-
		Freq	2997 Hz	-
		Q (Bandwidth)	slope 0.75 dB/oct	-
		Gain	-1.5dB	-
	EQ4	Type	-	-
		Freq	-	-
		Q (Bandwidth)	-	-
		Gain	-	-
Peak Limitter Settings	Amplifier Input Voltage**		1.42 V	1.42 V
			5.3dBu	5.3dBu
	Amplifier Output 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

http://pioneerproaudio.com/

Processor settings for XY Series

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

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

http://pioneerproaudio.com/

Preset version 3.0 July. 2016

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

Combination No			20		21	
Combination			**XY-122 with XY-218S**		**XY-122 with XY-218HS**	
Speaker Model			XY-122	XY-218S	XY-122	XY-218HS
General	GAIN		-1.0dB	+6.0dB	0 dB	+3.0dB
	Delay		2.59ms*	0.00ms*	7.80ms**	0.00ms**
	Polarity		Normal	Normal	Normal	Normal
CrossOver Settings	Hi-pass	Type /Slope	L-R 24dB/oct	L-R 24dB/oct	L-R 24dB/oct	L-R 24dB/oct
		Freq.	90 Hz	24 Hz	72 Hz	22 Hz
	Low-pass	Type /Slope	L-R 24dB/oct	Butterworth 24dB/oct	L-R 24dB/oct	L-R 36dB/oct
		Freq.	17959 Hz	90 Hz	17959 Hz	82 Hz
Equalizer Settings	EQ1	Type	Peaking	Peaking	Peaking	-
		Freq	3152 Hz	78 Hz	3152 Hz	-
		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	Type	Peaking	Peaking	Peaking	-
		Freq	4207 Hz	210 Hz	4207 Hz	-
		Q (Bandwidth)	Q : 1.5 (Bandwidth : 0.95oct)	Q : 2.5 (Bandwidth : 0.6oct)	Q : 1.5 (Bandwidth : 0.95oct)	-
		Gain	-1.0dB	+3.0dB	-1.0dB	-
	EQ3	Type	High-Shelving	-	High-Shelving	-
		Freq	2997 Hz	-	2997 Hz	-
		Q (Bandwidth)	slope 0.75 dB/oct	-	slope 0.75 dB/oct	-
		Gain	-1.5dB	-	-1.5dB	-
	EQ4	Type	-	-	-	-
		Freq	-	-	-	-
		Q (Bandwidth)	-	-	-	-
		Gain	-	-	-	-
Peak Limitter Settings	Amplifier Input Voltage***		1.42 V	2.01 V	1.42 V	1.88 V
			5.3dBu	8.3dBu	5.3dBu	7.7dBu
	Amplifier Output 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

Processor settings for XY Series

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

Combination No			22			
Combination			**XY-152 with XY-118S**			
Speaker Model			XY-152		XY-118S	
General	GAIN		-7.0dB		+6.0dB	
	Delay*		0.40ms		0.00ms	
	Polarity		Normal		Normal	
CrossOver Settings	Hi-pass	Type /Slope	L-R 24dB/oct		L-R 24dB/oct	
		Freq.	85 Hz		32 Hz	
	Low-pass	Type /Slope	L-R 24dB/oct		L-R 24dB/oct	
		Freq.	20014 Hz		100 Hz	
Equalizer Settings	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
	Type		Peaking	-	Peaking	-
	Freq		172 Hz	-	145 Hz	-
	Q (Bandwidth)		Q : 2 (Bandwidth : 0.7oct)	-	Q : 3 (Bandwidth : 0.5oct)	-
	Gain		-1.2dB	-	-2.6dB	-
	EQ No.		EQ3	EQ6	EQ3	EQ6
	Type		High-Shelving	-	-	-
	Freq		1233 Hz	-	-	-
	Q (Bandwidth)		slope 0.26 dB/oct	-	-	-
	Gain		-2.0dB	-	-	-
Peak Limitter Settings	Amplifier Input Voltage**		1.81 V		2.25 V	
			7.4dBu		9.2dBu	
	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

Processor settings for XY Series

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

Combination No			23			
Combination			**XY-152 with XY-215S**			
Speaker Model			XY-152		XY-215S	
General	GAIN		0 dB		+2.6dB	
	Delay*		10.22ms		0.00ms	
	Polarity		Normal		Normal	
CrossOver Settings	Hi-pass	Type /Slope	L-R 24dB/oct		Butterworth 24dB/oct	
		Freq.	80 Hz		29 Hz	
	Low-pass	Type /Slope	L-R 24dB/oct		Butterworth 24dB/oct	
		Freq.	20014 Hz		127 Hz	
Equalizer Settings	EQ No.		EQ1	EQ4	EQ1	EQ4
	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
	Type		Peaking	High-Shelving	-	-
	Freq		86 Hz	1233 Hz	-	-
	Q (Bandwidth)		Q : 2.2 (Bandwidth : 0.65oct)	slope 0.26 dB/oct	-	-
	Gain		+1.8dB	-1.7dB	-	-
	EQ No.		EQ3	EQ6	EQ3	EQ6
	Type		Peaking	-	-	-
	Freq		1424 Hz	-	-	-
	Q (Bandwidth)		Q : 2 (Bandwidth : 0.7oct)	-	-	-
	Gain		+1.2dB	-	-	-
Peak Limitter Settings	Amplifier Input Voltage**		1.81 V		1.42 V	
			7.4dBu		5.3dBu	
	Amplifier Output Voltage		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

http://pioneerproaudio.com/

Processor settings for XY Series

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

Combination No			24			
Combination			**XY-152 with XY-218S**			
Speaker Model			XY-152		XY-218S	
General	GAIN		-1.0dB		+6.0dB	
	Delay*		7.60ms		0.00ms	
	Polarity		Normal		Normal	
CrossOver Settings	Hi-pass	Type /Slope	L-R 24dB/oct		L-R 24dB/oct	
		Freq.	80 Hz		28 Hz	
	Low-pass	Type /Slope	L-R 24dB/oct		Butterworth 24dB/oct	
		Freq.	20014 Hz		115 Hz	
Equalizer Settings	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
	Type		Peaking	Low-Shelving	Peaking	-
	Freq		55 Hz	65 Hz	86 Hz	-
	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
	Type		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 Settings	Amplifier Input Voltage**		1.81 V		2.01 V	
			7.4dBu		8.3dBu	
	Amplifier Output Voltage		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

http://pioneerproaudio.com/

Processor settings for XY Series

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

Combination No			25			
Combination			**XY-152 with XY-218HS**			
Speaker Model			XY-152		XY-218HS	
General	GAIN		0 dB		+3.0dB	
	Delay*		8.10ms		0.00ms	
	Polarity		Normal		Normal	
CrossOver Settings	Hi-pass	Type /Slope	L-R 36dB/oct		L-R 24dB/oct	
		Freq.	72 Hz		22 Hz	
	Low-pass	Type /Slope	L-R 24dB/oct		L-R 36dB/oct	
		Freq.	20014 Hz		82 Hz	
Equalizer Settings	EQ No.		EQ1	EQ4	EQ1	EQ4
	Type		Peaking	-	-	-
	Freq		1424 Hz	-	-	-
	Q (Bandwidth)		Q : 2 (Bandwidth : 0.7oct)	-	-	-
	Gain		+1.2dB	-	-	-
	EQ No.		EQ2	EQ5	EQ2	EQ5
	Type		High-Shelving	-	-	-
	Freq		1233 Hz	-	-	-
	Q (Bandwidth)		slope 0.26 dB/oct	-	-	-
	Gain		-1.5dB	-	-	-
	EQ No.		EQ3	EQ6	EQ3	EQ6
	Type		-	-	-	-
	Freq		-	-	-	-
	Q (Bandwidth)		-	-	-	-
	Gain		-	-	-	-
Peak Limitter Settings	Amplifier Input Voltage**		1.81 V		1.88 V	
			7.4dBu		7.7dBu	
	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