



DIGITAL SPEAKER MANAGEMENT

# PRO-36DX & PRO-48DX

AV ELECTRONICS MARKETING SDN BHD

[www.iva.com.my](http://www.iva.com.my)



## ■ SOUND QUALITY MATTERS

Sound quality is the single most important criteria in any type of audio system! Period. This is the ultimate strength of the PRO product from IVA. The PRO-36DX and PRO-48DX outperform or on par with many digital loudspeaker management system in the market, even to those costing 2 to 3 times of IVA's costing. In blind test with numerous brands and models, with zero setting done except for basic crossover point, IVA processor taking landslide leads in audio quality among the panel of judges which consists of sound system engineer, audio engineer & soundman.



## ■ RAZOR SHARP ACCURACY

IVA PRO-36DX and PRO-48DX are tools to shape of your sound. For a tool to perform efficiently for its user, the tools need to be responsive and accurate. Sound engineer rely these to perform well to shape its sound to what he/she intended to be. Imagine the sound engineer need to increase a 3 dB at 1000 Hz PEQ end up increasing 2 dB at 900 Hz PEQ. Or the loudspeaker need a thermal protection at -3 dB threshold limiter but end up with real life -1 threshold limiter. How disastrous it will be for having inaccurate device? Users of PRO-36DX and PRO-48DX will always have peace of mind and confidence as the accuracy and responsiveness are guaranteed.



## ■ USER FRIENDLY COMPUTER SOFTWARE

IVA PRO-36DX and PRO-48DX come with Window based PC software. Connecting the digital loudspeaker management to PC is as simple as plugging cable from the device to the PC's USB port. The software is easy to navigate with the layout being designed in the most human friendly way. There are less pages to navigate through and many features are reachable within 2 to 3 clicks away. The software is so easy to use and it only take merely few seconds to fully understand how to operate it.



## ■ USER FRIENDLY FRONT PANEL NAVIGATION

When PC is not available, you need to rely on the front panel to do the adjustments. Easy navigation through front panel is always one of our main design criteria. The navigation work flawlessly with the LCD screen. It provide all necessary data and info required to make correct adjustments. The number of physical buttons and knobs are at a sweet spot. Too many buttons/knobs, it will make the front panel too confusing. Too little buttons/knobs, it make navigation through pages and settings much more difficult.



## PRESETS AVAILABLE

Through download section of our website, there are numerous presets available to be downloaded and loaded instantly into the PRO-36DX and PRO-48DX. The presets work with the properly matched power amplifier so that the best possible quality and protection can be achieved. The presets are done in such a way the anomalies and weakness of the loudspeakers are being corrected. A corrected audio system enable audio transparency for the diverse users and audiences.



# SPECIFICATIONS

MODEL	PRO-36DX	PRO-48DX
Input / Output	3 in 6 out	4 in 8 out
Input Impedance	10 k $\Omega$	
Output Impedance	50 $\Omega$	
Max. Input / Output Level	19dBu	
Input Gain	-40 ~ + 12d B , step 0.1dB	
Output Gain	-40 ~ + 12d B , step 0.1dB	
Input Delay	1 S, step 21us	
Output Delay	1 S, step 21us	
Enter PEQ	Each Channel of the 7- band Parametric Equalizer	
Output PEQ	Each Channel of the 7- band Parametric Equalizer	
EQ Gain	-30 ~ + 15dB, step 0.1dB	
EQ Type	PEQ, Low Shelf, High Shelf ( Optional )	
EQ Frequency	19.7 ~ 21.9KHz	
EQ Bandwidth	PEQ 0.017 ~ 4.750 Oct	
Dividing the Frequency	19.7 ~ 21.9KHz	
Frequency Slope	FLAT THRU, 12dB, 24dB, 36dB, 48dB	
Frequency Type	Butterworth, Bessel, Linkwitz-Riley	
Limit Threshold	-20 ~ + 20dBu, step distance 0.5dBu	
Limit Ratio	1.2 , 1.5 , 2 , 3 , 4 , 6 , 10 , 20 , 40 , 128: 1	
On the Red Time	1 ~ 100ms, step 1ms	
Release Time	50 ~ 1000ms, step 50ms	
Dynamic Range	116dB A Weighting	
Common Mode Rejection Ratio	> 50dB ( 30HZ-20KHz )	
Separation Degree	<- 100dB	
Distortion	0.003% ( 1KHz, 0dBu )	
System Default	10 out of the default program, 30 user program	
Power Supply	AC 90-260V , 50-60Hz 100W	
Gross Weight	2.5KG	
Size	482mm $\times$ 158mm $\times$ 45mm	