

DIGITAL MIXER **DR14.2**

AV ELECTRONICS MARKETING SDN BHD

www.iva.com.my



DR14.2 is IVA first step into the digital domain of audio mixer. This rack-mountable digital mixer is the culmination of years of IVA expertise in professional audio industry. This digital mixer provide 8 microphone inputs and 3 stereo inputs which is the most common and useful in most installation. It has one Main Output and 4 Aux output that enable ultra-flexible audio signal routing. It has one FX engine that provide high quality studio effect for audio enhancement.



FULL DSP PACKAGE IN 3U SIZE

It's crazy that so many DSP feature built-in this digital mixer. You name it, it have it. Parametric Equalizer, Graphic Equalizer, Low Pass Filter, High Pass Filter, Delay Compensation, Gate, Compressor, Ducker, Feedback Control (FBC), Au and Digitally Controlled Amplifier (DCA).



WORK WITHOUT TABLET/SMARTPHONE/PC

DR14.2 unlike many small tablet-based digital mixer can work independently without the need of a tablet, smartphone and PC. Users and sound engineers can mix the audio at the front of mixer itself.



TABLET



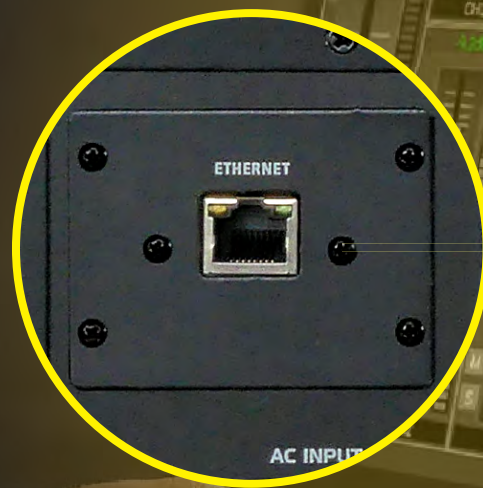
SMARTPHONE



PC

WIRELESS REMOTE OPERATION

Rejoice to those who like to work remotely! With in-built Ethernet port, user can easily add a WiFi router to the digital mixer. With Android app, IOS app, and PC Window. All operation of the digital mixer can be accessed and controlled remotely.



PASSWORD LOCK

DR14.2 can be password locked with 4 digit number and all the setting can be forever saved without the concern of meddling by unwanted people. The encrypted password feature is so good that even power cycle on and off the unit itself does not overwrite the password. For installation at the venue without operator, this is a life saver feature.



INTELLIGENT FEATURE

DR14.2 come with various intelligent features that basically can mimic an operator for simple task. We have Automix which automatically control volume of each channel, Ducker to set a priority channel to attenuate the less important channels and FBC to control the audio feedback. Simple meeting venue or worship venue can easily utilize these feature for operator-less event.



4 AUX AND 1 MAIN

DR14.2 come with total of 5 different controllable and routable outputs consist of 1 stereo Main and 4 mono Aux. All input channels can be send to Main or Aux for different zoning purpose. The flexibility to assign audio signals enable DR14.2 to become one of the most versatile audio mixer for most type of installation need.



STUDIO GRADE EFFECT (FX)

Audio effect (FX) has been integral of IVA audio mixer and DR14.2 has no exception. We understand there is requirement to enhance vocal performance using plate, delay and stereo delay, therefore our DR14.2 is equipped with 12 variation of studio-grade DSP FX.



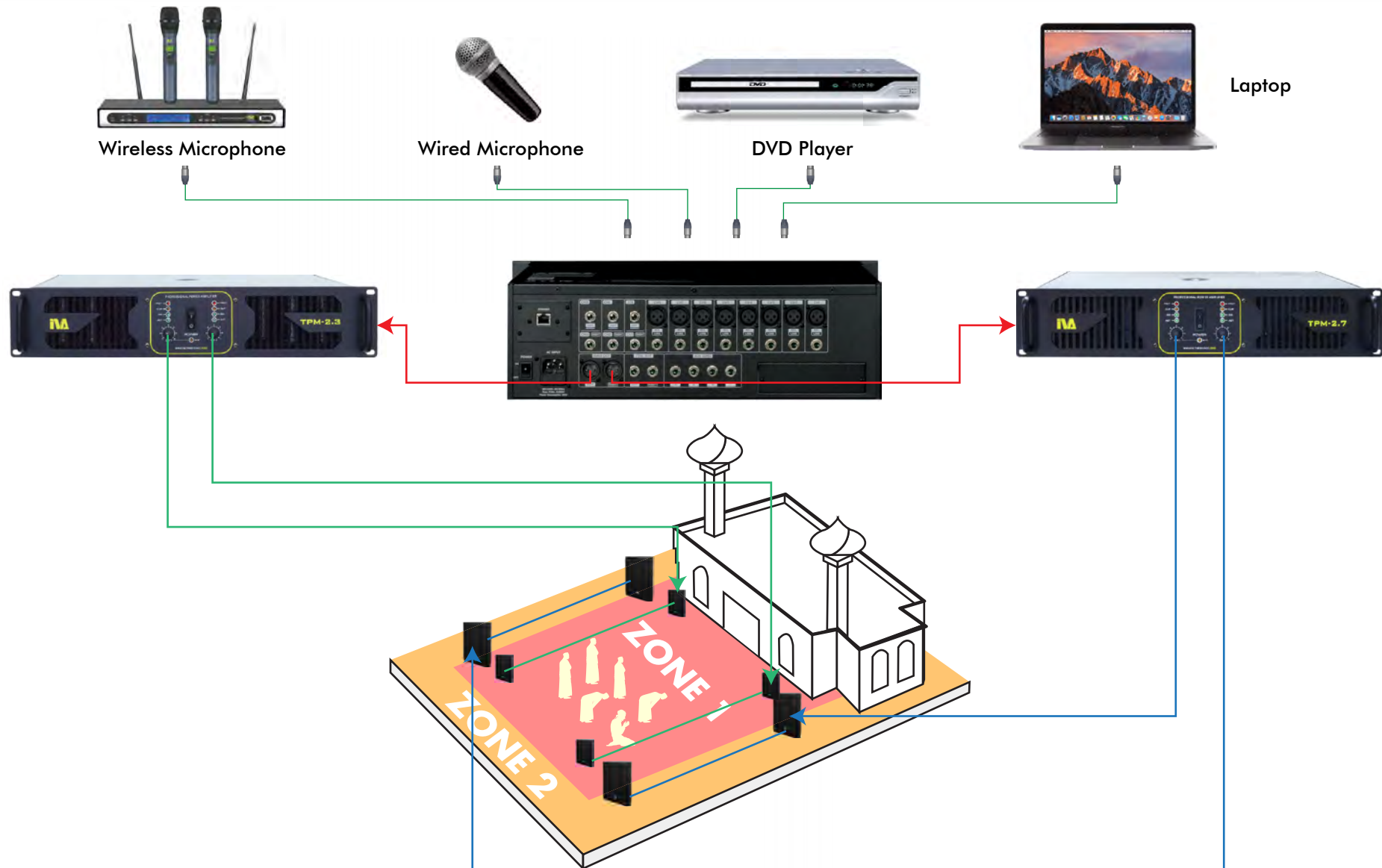
DANTE CARD AVAILABLE (OPTIONAL)

For larger scale of installation where connectivity is needed, a DANTE card can be added to provide state-of-the-art and low latency audio transmission via CAT5E cable. It will carry all 14 inputs and 6 output of signal in and out through the IP based IT infrastructure.



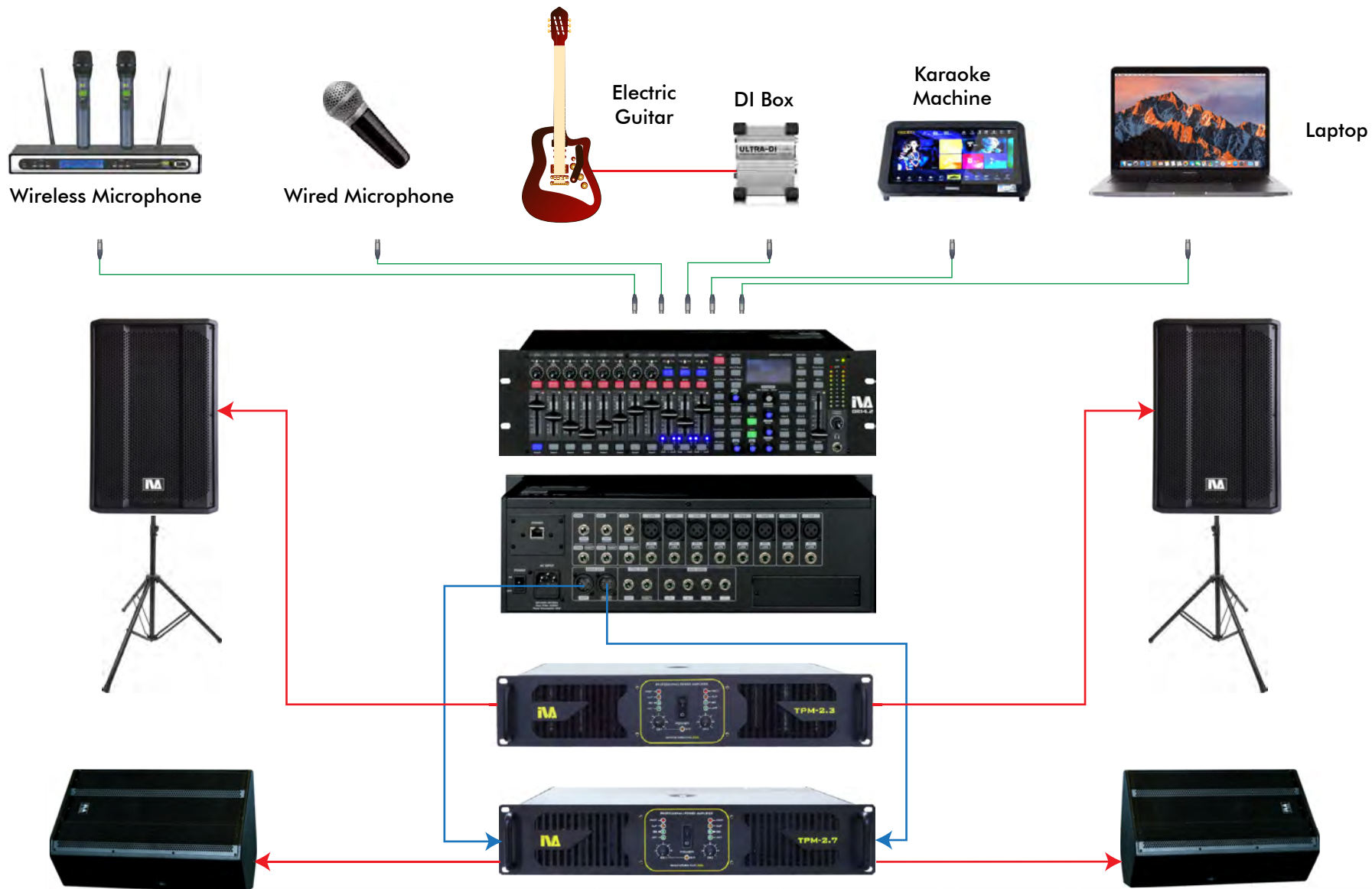
APPLICATION

FIX INSTALL



APPLICATION

LIVE EVENT



SPECIFICATIONS

Microphone Input		Electronically balanced	Compressor	
Frequency Response to direct Output	20Hz~20kHz at 0dBu \pm 1.5dB		Threshold Range	-30dBu ~ +20dB
Distortion (THD & N) to Main Output	<0.01% at 0dBu 1 kHz		Attack Time	10ms ~ 150ms
SNR (Signal to Noise Ratio)	108dB		Release Time	10ms ~ 1s
Maximum Input Level	+22dBu		Ratio	1:1 to 10:1
Phantom Power (+/-3V)	+48VDC		Gain	0dBu - +24dB
Line Inputs		Electronically balanced	EQ	
Frequency Response to direct Output	20Hz~20kHz at 0dBu \pm 1.5dB		Low (Low Pass or Low Shelf)	21Hz~19.2KHz \pm 24dB
Distortion (THD & N) to Main Output	<0.01% at 0dBu 1 kHz		Low Mid	21Hz~19.2KHz \pm 24dB
Gain	-15dBu~+35dBu		High Mid	21Hz~19.2KHz \pm 24dB
Maximum Input Level (Gain at 0dBu)	+20dBu		High(High Pass or High Shelf)	21Hz~19.2KHz \pm 24dB
Stereo Inputs CH9~10 / CH11~12 / CH13~14		Balanced (2 stereo pair)	Digital Audio	
Frequency Response to direct Output	20Hz~20kHz at +4dBu \pm 1.5dB		ADC Dynamic Range	114dB
Distortion (THD & N) to Main Output	<0.01% at 0dBu 1 kHz		DAC Dynamic Range	114dB
Gain	$-\infty$ to +10dBu		Internal Processor	32-bit , floating point
Maximum Input Level	+20dBu		ADC,DAC bit depth	24bit
Gain	$-\infty$ to +10dBu			
Outputs			Impedances	
Max. Main Output Level	+20dBu		Microphone input	6.8k Ω
Max. AUX SEND Output Level	+20dBu		Line input	75k Ω
Max. Control Room Output Level	+20dBu		Stereo input	27k Ω
Max. Headphones Output Level	+20dBu		All other output	240 Ω
			Operating free-air temperature range	0~40°C
			Storage temperature range	-20°C ~ 60°C
System Crosstalk				
Input to Output (at +4dBu 1kHz)	-88dB			
Adjacent Channel (at +4dBu 1kHz)	-85dB			
Noise (Bus noise)	-91dB			
Threshold Range	-84dBu ~ -20dB			
Attack Time	0.5ms ~ 200ms			
Release Time	10ms ~ 1s			