



**FEATURED EQUIPMENT**  
Every year we sort through all of the sales noise to find the **BEST** equipment for YOUR school at the **BEST** prices through the **BEST** distributors. Here's our picks for 2022!

**SPEAKERS**

**Over 25 years we have gone through a LOT of speakers.** We've seen 'em come, seen 'em go and ripped out many speakers we ourselves installed years before.  
Since Bose ceased production of their legendary '802 and the passive F1 due to the covid pandemic, we've been forced to look through the market for good alternatives.

**InDesign IDMH Series**  
These compact indoor / outdoor "JBL Copy" coaxial speakers sound fantastic, with all of the benefits of the original but at half the price. They have a very wide dispersion and are rated up to 200w RMS. They can be powered either using 8 ohm or 100v line, making it one of the highest powered 100v line speakers on the market. This means in many cases it can also use existing wiring and be teamed with traditional PA amplifiers.  
Commonly used in COLA Shelters, for Assembly systems, for outdoor extension of Hall systems or for "on stage" fold backs.



**DB Technologies LVX Range**

With the '802 now gone, we've spent lockdown searching for and testing suitable replacements that will fit an "indoor" school hall environment, remain indestructible and still be affordable. The DB Sound LVX range sound fantastic—far better than most speakers in this market.

They've also proven to be extremely robust, with very effective protection on the 1" horn driver preventing overload, ensuring this beauty will stay with you during those moments of feedback and overload which cause so many others to drop out of the race.

The range comes in 12" and 15" versions, with a very effective and price attractive sub woofer also available for those extra large high school needs. Installed along with our specially prepared EQ and compression algorithms pre installed into the amplifier, the LVX range is now our Number One.

**TOA HX5**  
New from industry leading Japanese PA manufacturer TOA, these fully weatherproof "Line Array" units pack a real punch for their small size and can be accurately set for wide dispersion or for good coverage of long, deep COLA shelters which might previously have needed a second set of speakers toward the back.  
These units have NO HORNS, instead relying on an array of twelve 2.5" drivers to do the heavy top end work and another set of eight 4" drivers for the rest. This makes them as "indestructible" as the old '802 but far more accurate as to where the sound is directed.  
The TOA HX5 is a great pick for COLA Shelters. They sound great and will outlast anything else on the market, regardless of what you throw at them.



**AMPLIFIERS**

Amplifier technology has changed in recent years. Modern, Class D (switch mode) amplifiers are now the norm. Unlike “first generation” Class D amps (which would randomly destroy themselves), these modern Class D amplifiers are **ultra reliable, lightweight, compact, very powerful, virtually indestructible and sound great.**

But best of all, they're **CHEAP.**  
What's not to like?

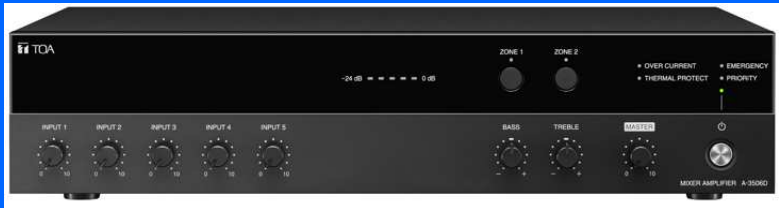


### Behringer NX 1000 / 3000 Series

**Behringer** have shaken off their old “cheap and nasty” reputation with the release of the NX. These lightweight power amplifiers are perfect for just about any install PA application and use the same technology you will find inside computer desktops.

At around 95% efficiency **they barely get hot at all.** That means they're **super reliable.** This is because the components and solder joints are no longer subjected to constant hot / cold cycles. *This was one of the major reasons for many a “cheap amplifier failure” in the past!*

PA Matthews Audio use the 1000w and 3000w “D” units. These feature on board processing for speakers which we pre set on installation and then lock out so idiots can't fiddle with them. **Why pay more?**



### TOA A3548 Series

Translating the same ultra efficient Class D technology in to a traditional 100v Line PA amplifier frame, the TOA A3548 packs 480 watts into a light weight, cool running and reliable 2RU package which has everything you need and nothing you don't.

Available at a price which blows all of the competition out of the water and leaves you asking “Why would you bother using anything else?”. **We don't. Anymore.**



### TOA A2120 D / 2240 D Series

A well built, lower powered all purpose “Class D” PA amplifier from a well known brand at an excellent price. We use these for lower power applications such as assembly area and smaller COLA systems.

### MIXERS

Demand of mixers likewise has changed over the years however going “digital” is not always the best solution for schools. This is because most digital mixers are still complicated to use.

For this reason we still recommend analog mixers into most of our installs. These are the mixers school staff understand. So that means they can trouble shoot them easily when things go wrong!

For schools with more demanding applications and people on staff who can properly operate them (such as high schools), we still offer modern digital alternatives.

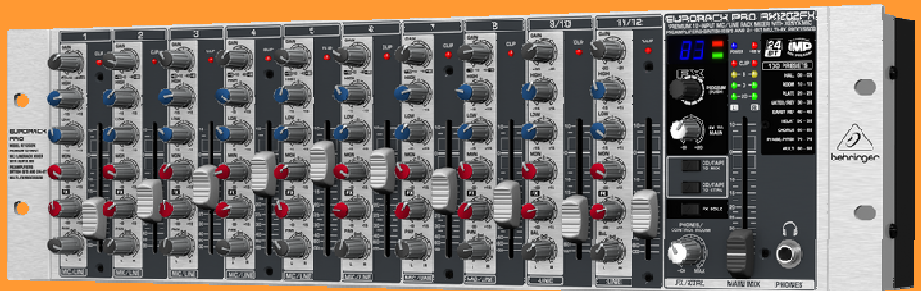
#### Australian Monitor HSMIX2



This simple but very agile 1RU unit is ideal for simple COLA, Assembly installations and school halls.

It features a Bluetooth transceiver allowing easy pairing with Bluetooth enabled devices. It also features a full set of trim and tone controls hidden behind a magnetic front face plate to keep fiddly fingers away. *We do NOT recommend using Bluetooth in larger performance situations as it can be unreliable and may cause frustrating issues should the wrong device become paired with it in a large crowd situation.*

#### Behringer Eurorack RX1202FX



This 4RU analog unit from Behringer is so cheap, reliable and feature packed, we install this unit in to almost every hall system we complete.

Simple enough for staff to understand for basic, day to day use. Complex enough to perform in demanding applications such as school musicals and performances when driven by experienced users. Reliable enough to stay working year after year after year. Cheap enough to replace easily and quickly, should it ever stop working or become damaged.

With all of the connections ON THE BACK of the unit, these can be locked in a rack and kept away from fiddling fingers attached to hall hirers. Even includes digital FX and an AUX send channel for foldback. **The RX1202FX is the perfect compromise between ease of use and high performance—for a bargain basement price.**

#### Midas MR12

With everyone now coming out with a Phone or Tablet based digital mixing solution, we had to pick a winner eventually. **This is it.**

Available in 12 or 18 Channel frame size, the Midas MR12 gives you mainframe digital mixer capability in a pocket sized package. And best of all, you can control it from *anywhere in the hall*, using your phone or tablet over the *in built WIFI server*.



We recommend these units only be installed in schools who have appropriately trained IT / Music department people on staff who can understand how to use them. Otherwise these systems can be difficult to trouble shoot and can quickly render a system inoperable if untrained people start fiddling with them.

**The MR12 comes from MIDAS, so you know the quality and stability is up there with the best. Why pay more?**



## FEATURED EQUIPMENT

**MICROPHONES**

With the sale of frequencies previously used by analog TV to the mobile phone companies, the Australian Government drastically reduced the bandwidth and legal power available for cordless microphones.

This means that new systems are not as powerful as their older counterparts and range (particularly through walls) is much worse than previously. "Line of Sight" between transmitter and receiver is now pretty much a requirement.

**In many cases this can mean a new system replacing an old one, does not perform like the old one did.**

To obtain good range outdoors it's now often necessary to install receivers outdoors in special boxes or use expensive range extenders.

### Paralell Audio Artist Q Series

The single Paralell Audio Artist Q is a great budget level quality cordless system with full channel diversity at a great price. Ideal for general COLA, Assembly and school hall use. Normally NOT rack mounted.

Uses standard AA Batteries. Not rechargeable.



### Mipro ACT Series

The Mipro ACT series are now our "standard offering" on all major PA system upgrades and installs. Full diversity.

These fully rechargeable systems have proven very reliable and have excellent transmitting range in the 520MHz band. The dual receivers are particularly attractive.

We have found the new Australian distributor for the Mipro range to hold excellent stocks at all times. Yes.. you do pay just a little more. But we have sold hundreds of these things now and not a single one has bounced back.

Comes complete with desktop charger for two microphones.

Also available in Headset and Lapel / Beltpack versions.



### Redback C0383

Our preferred choice for corded hand held mics, the C0383 is virtually indestructible, sounds great and is dirt cheap. We've sold hundreds of these.



### Redback C0392

In our opinion the best "'58 Copy" on the market. Even the headshells are a direct screw thread replacement. Normally provided with a switch (unlike the original '58). Great for all purpose school hall and performance use.



### Superlux S241

A great "Pencil Condenser" mic suitable for choir work either suspended or on stand. Super directional, super sensitive with excellent rear rejection to control that pesky feedback.

Name brand mics with these specs cost twice as much!



**OTHER STUFF  
WE USE**

Not in any other particular category, but here's a list of some of the other things you'll regularly see roll off the back of a PA Matthews Audio truck.

### Redback C0715 Speaker

Our standard surface mount 5" 100v line internal speaker, used extensively in all our school wide systems. Good sound and efficiency and made right here in Australia. Small enough to look good. Large enough to cover the multitude of sins which are often necessary in order to get wiring to the speaker.



### Numark MP103USB CD Player

Falling out of favour nowadays, however we still usually recommend every hall PA system include one—and this is the best choice. Super reliable, commercial grade rack mount unit at a bargain price. Plays just about any disc you can throw at it. Also plays MP3 files from any USB stick.

At this price, why not?



### TOA CS304 "Clear Horn"

The efficiency of a 100v line paging horn, but with the sound quality of a more conventional speaker. Ideal for low cost solutions under COLAs and in large, internal spaces such as halls.



### Bosch LBC3479

High power (50w) conventional reflex metal horn with 20" bell, super directional. Ideal for getting sound to those distant soccer fields and play grounds.

