

# Low-Cost Multi-Effects DSP Module/Chipset

## All-in one effects library



### FEATURES

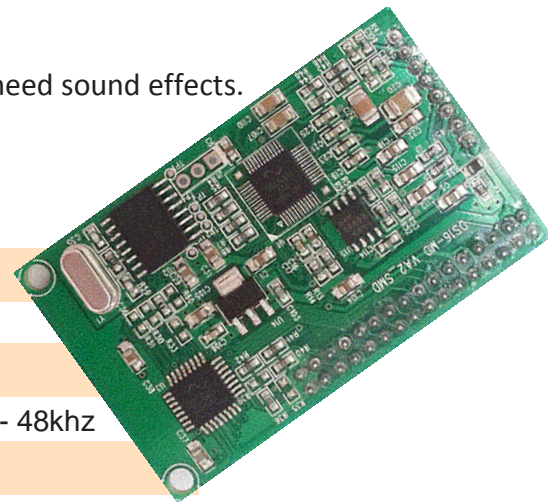
- Stereo performance as studio sound quality
- 2 input and 2 output
- 8 / 16 / 32 / 99 / GT / DJ / Karoke... programs of effects library integrate such as reverbs, echo, phaser, chorus, flanger, etc.
- Integrated the major components, control interfaces, and strengthen the electronic circuit design, also with the display circuit/FW, for example 7-segment LED/LCD/DIGITAL ENCODER/TACK-SWITCH..(module type) that can save your bom cost
- Diversified display boards GUI interface operation and display, can quickly understand the various types of audio effects applications
- Similar famous Brand of program preset with sound quality and many sound library can be offer
- Delay time can reach 1024ms
- All-in-one library can create more various types products and help to save product cost
- 20/27bit digital signal processing with 24 bit AD/DA converters 48kHz sample rates supports
- Hi quality codec performance as 104 dB dynamic range with -93 dB THD+N
- Fully support all circuit for chipset application with quick design in
- Low power 5V operation( module type)
- Competitive price
- ROHS compliant (PB-free)

### APPLICATION

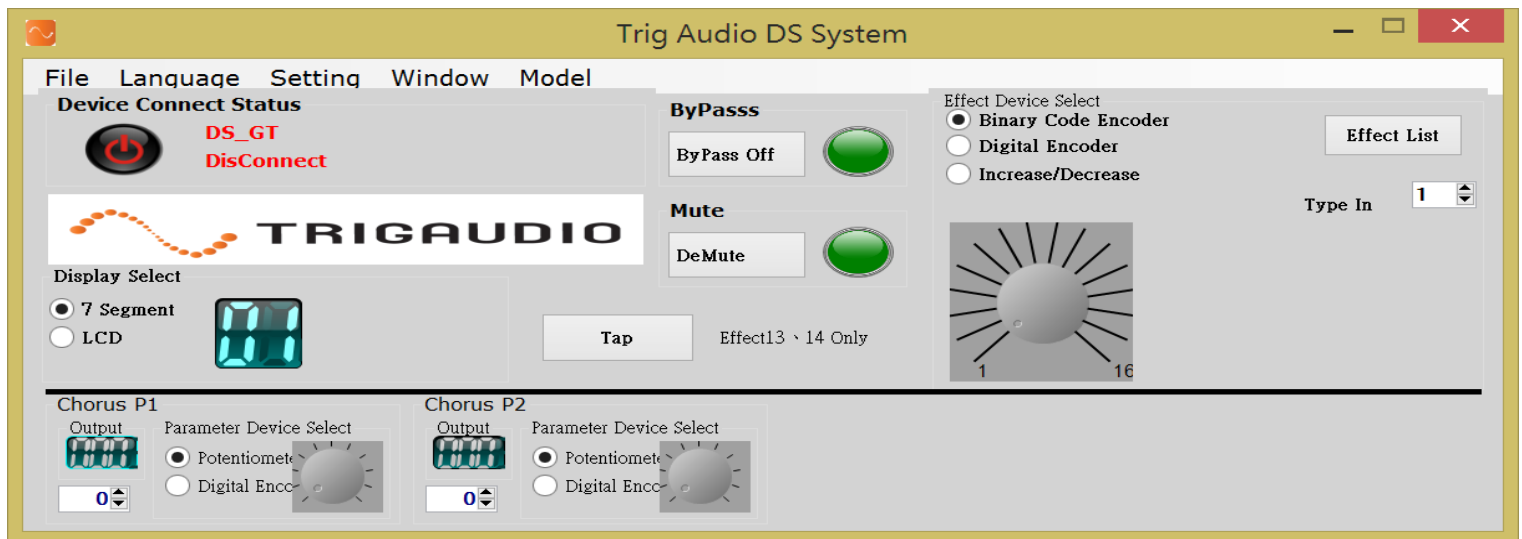
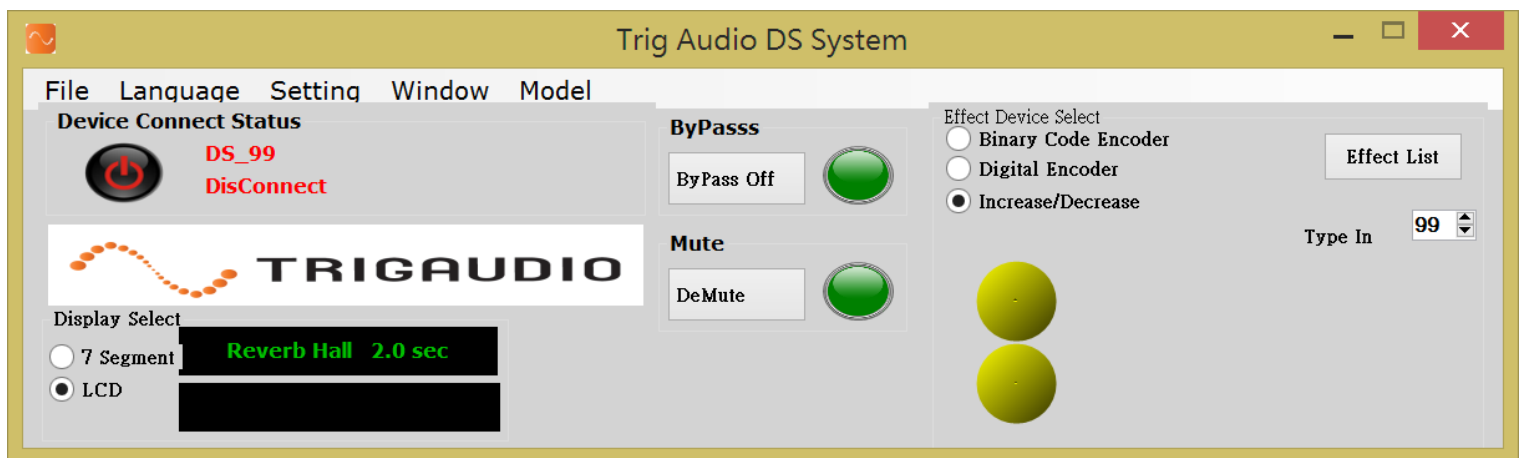
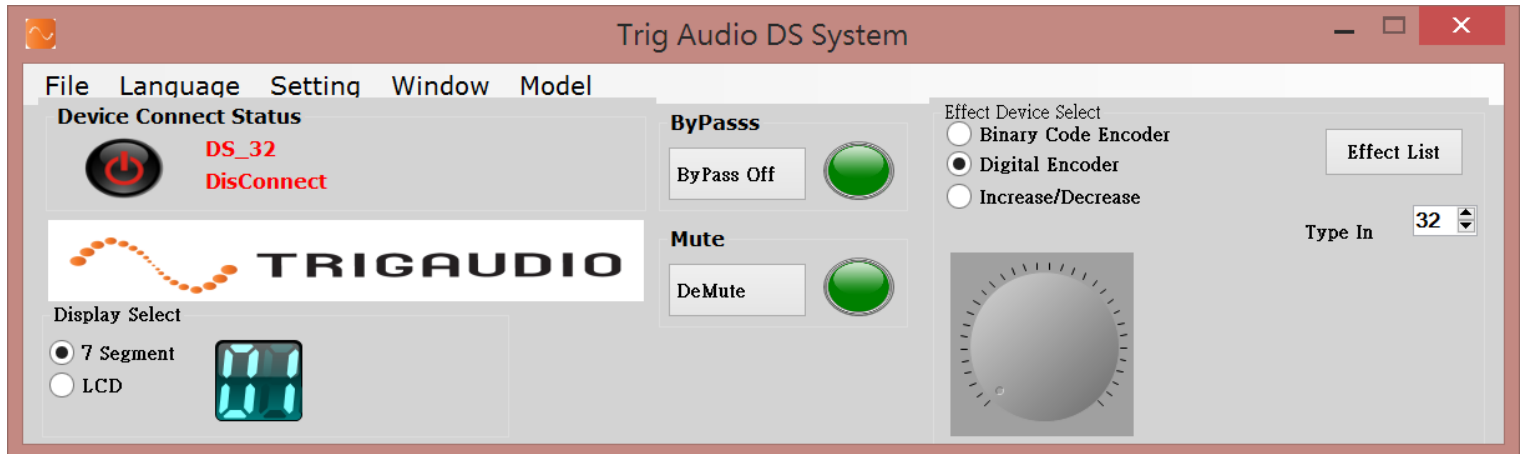
Mixer/Guitar amp/ DJ-mixer/ Karaoke/equipment and other devices which need sound effects.

### SPECIFICATION (module)

|                        |  |
|------------------------|--|
| Analog Input           | 2                                      |
| Maximum Input Level    | 2.8Vp-P Max                            |
| Analog Output          | 2                                      |
| Maximum Output         | 2.8Vp-P Max                            |
| Digital Processor      | (DSP)20/27 Bit, (AD/DA): 24 Bit- 48khz |
| S/N Ratio(A-Weighting) | >95 dB                                 |
| THD+N                  | 0.08%                                  |
| Frequency Response     | 20 Hz - 20 Khz (+/- 3 dB)              |
| Power Supply           | 5V 90mA                                |



## EASY AND QUICK PERFORMANCE GUI CONTROL ON DEMO BOARD



## BASIC STANDARD PROGRAM LIBRARY SUPPORT

MIXER:16 (16 PROGRAM WITH 2x PARAMETERS CONTROL)/ 32 / 99 / DJ-MIXER / Simulation Y-BRAND(M..SERIES)  
 16 / 32 PRESET....

GUITAR-AMP: 4X....16 PROGRAM WITH MULTI-TYPE CONTROL

KARAOKE: (MAIN PROGRAM:ECHO-DELAY+REVERB+CHORUS)6X PARAMETERS

---PLEASE SEE DETAIL EFFECT CHART ON OTHER SHEET-----