



# ISD-ES501 & ISD-ES502 Tools

Evaluation System and Demonstration Board for the ISD5008

## ISD-ES501 EVALUATION SYSTEM AND ISD-ES502 DEMONSTRATION BOARD

ISD offers an Evaluation System and a Demonstration Board for its ISD5008 ChipCorder product. Both of these systems are excellent tools to demonstrate the quality and functionality of the ISD5008.

### ISD-ES501 EVALUATION/DEVELOPMENT SYSTEM

The ISD-ES501 Evaluation System is a Windows '95, PC-based system which allows the complete operation and signal routing of the ISD5008 product to be controlled by a PC via its parallel port. All the chip's functions can be easily adjusted in real time to allow for a complete evaluation of the ISD5008 for any end application. The PC connects to the Evaluation System using a standard parallel port cable.

The ISD-ES501 system consists of an ISD5008, evaluation board, Windows '95 evaluation system software (on floppy disk), external speaker and batteries (parallel port cable is not included).

### USER BENEFITS

- All ISD5008 product features and signal routings can be demonstrated and evaluated.
- End system performance can be evaluated by connecting prototype boards to the audio components of the ISD5008.
- The visual display of the operation code (OPCODE) can be used to aid system micro-controller software development.

### ISD-ES501 EVALUATION SYSTEM FEATURES

- Graphical user interface allows real time set up of the ISD5008.
- Mouse "point and click" control of the features of the ISD5008.
- Full screen display of the internal block diagram and audio paths of the ISD5008. Selected audio paths are highlighted.
- ISD5008 configuration register's bits are set automatically once a desired path is selected.
- Visual display of the operation code to set any command or configuration. Use these bit settings for software routines.
- Commonly used audio paths can be modified and saved.
- Record and playback messages from any address.
- Continuous read-out of addresses during *Record* and *Playback* operation.
- All input and output amplifier gain settings can be adjusted.
- AGC can be enabled or disabled.
- Selectable digital volume control.
- Selectable speaker or auxiliary output.



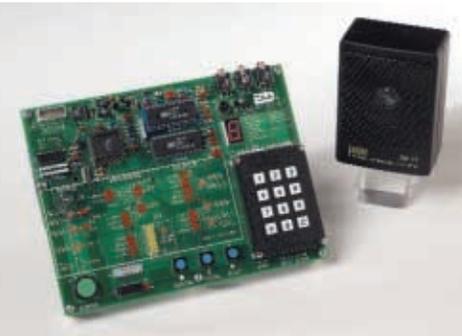


**ISD-ES502 DEMONSTRATION BOARD**

The ISD-ES502 Demonstration Board is a stand alone system that illustrates the signal routing and flexibility of the ISD5008 as well as its recording and playback functions and sound quality. The ISD-ES502 Demonstration Board consists of an ISD5008, the demonstration board and external speaker (batteries included).

**THESE ISD5008 FEATURES ARE EASILY DEMONSTRATED USING AN ISD-ES502**

- 2-way conversation recording.
- 1-way recording.
- Message playback.
- Message cueing.
- User selectable duration control.
- Volume control.
- Playback pause.

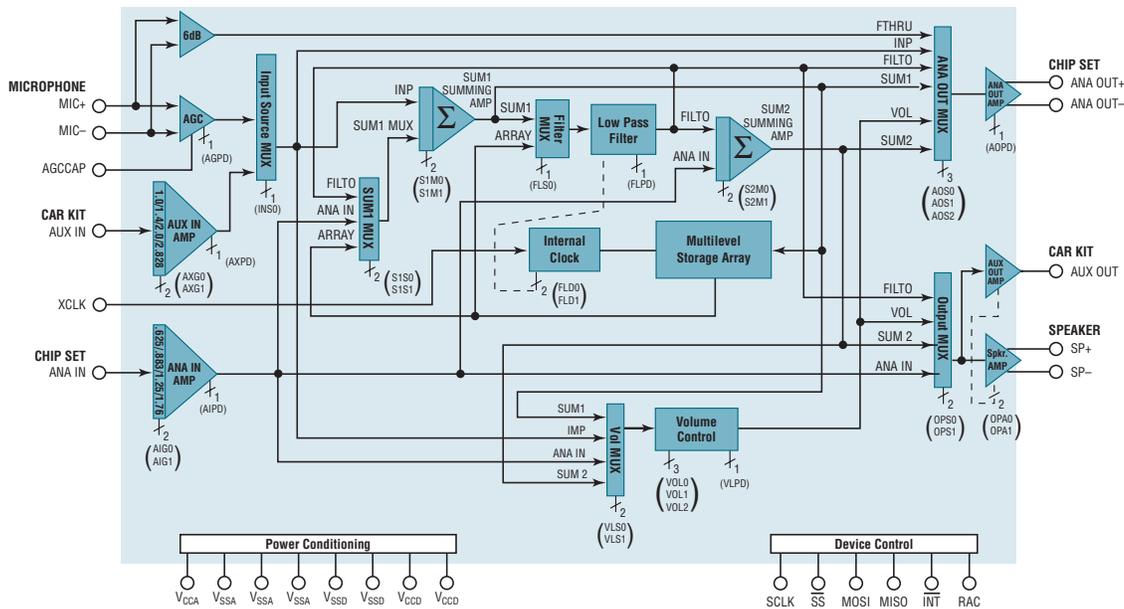


**ISD-ES502 DEMONSTRATION BOARD FEATURES**

- Keypad selection of all operational modes:  
*Select Sample Rate, Set Volume, Outgoing Message, Voice Notes (Memo), Answering Machine, Duplex Recording, Signal Filtering, Feed Through.*
- Voice prompts of instructions for ease of use.
- Red LEDs to indicate of the available signal paths.
- Orange LEDs to identify which sections of the device are powered for each function.
- Yellow LEDs to indicate volume level control.
- Built in microphone.
- Standard audio jacks for auxiliary inputs (AUXIN), external speakers and auxiliary outputs (AUXOUT).
- Legend of operation printed on the PCB.

**ORDERING INFORMATION**

APPLICATION TOOL	PART NUMBER	PRICE
ISD-ES501 Evaluation System	ISD-ES501	\$120.00
ISD-ES502 Demonstration Board	ISD-ES502	\$225.00



**BLOCK DIAGRAM AND SIGNAL ROUTING OF THE ISD5008**



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