

## ISD APPLICATION BRIEF 12A — USING THE ISD-ES001 EVALUATION SYSTEM WITH ISD1100, ISD1200, AND ISD1400 PRODUCTS

Even though the ISD-ES001 Evaluation System was designed before the different control interface parts (ISD1100, ISD1200, and ISD1400) were developed, it is quite easy to use it to test and demonstrate the newer parts.

The fundamental technique is to put stick-on labels on the existing switches with their names for the new parts. The center rocker mode switch that, for the ISD1000A/ISD2500 devices, is labeled "Play" and "Record" is now the Record switch. It is up for "Off" and down for "Record."

The rocker switch on the bottom right of the evaluation system labeled "Reset" and "Start" is now the Play Edge switch. Up is "Off" and down is "Play." Since this is the Play Edge switch, it need only be pulsed down to begin a message playing.

The little push-button switch at the top of the PC board, labeled "SW2  $\overline{CE}$ " becomes the Play Level switch. When this switch is pressed the chip will begin to play. It will play until the switch is released or until the chip reaches an EOM marker. For this to work properly jumper JP7, located just above the ZIF socket, must be to the right to separate pins 23 and 24 from the right-hand rocker switch.

### USING THE ISD-ES001 "B" EVALUATION SYSTEM WITH ISD1100, ISD1200, AND ISD1400 PRODUCTS

Everything is the same for the newer version, the ISD-ES001 "B", (identified by the jacks on the front of the box for an external power supply and audio connections). The only difference is the jumpers to be checked this time are JU3 and JU7 at the top right of the ZIF socket. They both must be to the left for the ISD1100, ISD1200, and ISD1400 devices. Now the two push-button switches at the top of the PC board are the controls for playback. SW1 is  $\overline{PLAYE}$  and SW2 is  $\overline{PLAYL}$ . The Mode switch is still the record control as with the original ISD-ES001.

### USING THE ISD-ES001 "D" EVALUATION SYSTEM WITH ISD1100, ISD1200, AND ISD1400 PRODUCTS

Everything is the same for the newest version, the ISD-ES001 "D", (identified by the label on the left edge of the PC board). The difference is the jumpers to be checked this time are JU3 and JU7 at the top right of the ZIF socket. They both must be up for the ISD1100, ISD1200, and ISD1400 devices and JU9 must be to the right. The two push-button switches at the top of the PC board are the controls for Playback. SW1 is  $\overline{PLAYE}$  and SW2 is  $\overline{PLAYL}$ . The mode switch is still the record control as with the original ISD-ES001. The Reset/Start rocker switch has no effect in this configuration.

Figure 14: ISD Evaluation System

