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selection switch **27** is connected to the normally open node of the second momentary push button switch **14**.

By this arrangement, the inventive multi-functional audio and video control device can save space and select speaker set for audio output and the A/V input/output signal. 5

In the case where the subject invention includes a speaker set with an audio amplifier, the audio input selection switch **24** and the associated three sets of audio inputs can be eliminated, as shown in FIGS. **4** and **5**. The output of the audio amplifier **13** is directly connected to the common node of the first momentary push button switch **12**. 10

Moreover, the invention multi-functional audio and video control device can be applied to the switch for other parallel circuitry, such as multiple sets of microphone inputs, multiple sets of telephone lines and computer data switch/distribution, as shown in FIGS. **6**, **7** and **8**. 15

Referring to FIG. **6**, the unused space within the speaker box is used to accommodate the switching device for the telephone lines **3** and microphones **4**, so that the speaker has a wider range of applications. 20

Referring to FIGS. **7** and **8**, the unused space within the speaker box is used to accommodate the means for computer data switch/distribution, such as a universal serial bus hub (or USB HUB), as in FIG. **9**. Moreover, the unused space within the speaker box is used to accommodate the means for computer data switch/distribution such as the IEEE **1394** interface for connection with computer multi-media peripherals. Therefore, the user can access the computer peripheral through the USB hub and the IEEE **1394** interface. 25 30

Summing up, the subject invention integrates the functions of an audio/video selection switching and an audio input/output selection switching into a magnetically shielded speaker set. The unused space in the speaker set can be fully utilized. 35

Although the present invention has been described with reference to the preferred embodiment thereof, it will be understood that the invention is not limited to the details thereof. Various substitutions and modifications have been suggested in the foregoing description, and others will occur to those of ordinary skill in the art. Therefore, all such substitutions and modifications are intended to be embraced within the scope of the invention as defined in the appended claims. 40

What is claimed is:

1. A multi-functional audio and video control device, comprising:

a speaker set having a plurality of speakers each having a magnetically shielded main body; said magnetically shielded main body connected with a first momentary push button switch to select said speaker for audio input/output; a common node of said first momentary push button connected to a normally closed node, a normally open node thereof being connected to an 50

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output of an audio amplifier and a lead of said magnetically shielded main body; the output of said audio amplifier being connected to a second momentary push button switch for audio/video signal input/output selection, a common node of said second momentary push button switch being connected to said normally closed node;

at least one audio/video converter arranged within said magnetically shielded main body, each said audio/video converter having:

an audio input selection switch connected to the normally open node of said first momentary push button switch;

an audio output selection switch connected to the common node of said first momentary push button switch;

an A/V input selection switch connected to the normally open node of said second momentary push button switch;

an A/V output selection switch connected to the common node of said second momentary push button switch.

2. The multi-functional audio and video control device as in claim **1**, wherein said first momentary push button switch has a plurality of switches.

3. The multi-functional audio and video control device as in claim **1**, wherein said second momentary push button switch has a plurality of switches.

4. The multi-functional audio and video control device as in claim **1**, wherein said audio input selection switch has a plurality of switches.

5. The multi-functional audio and video control device as in claim **1**, wherein said audio output selection switch has a plurality of switches.

6. The multi-functional audio and video control device as in claim **1**, wherein said A/V input selection switch has a plurality of switches.

7. The multi-functional audio and video control device as in claim **1**, wherein said A/V output selection switch has a plurality of switches.

8. The multi-functional audio and video control device as in claim **1**, further comprising an audio amplifier having an output connected to said magnetically shielded main body through said first momentary push button switch.

9. The multi-functional audio and video control device as in claim **1**, further comprising means for signal switching and distribution arranged in an unused space of said magnetically shielded main body.

10. The multi-functional audio and video control device as in claim **9**, wherein said means for signal switching and distribution are used for a plurality of telephone lines, a plurality of microphones and computer data switch/distribution.

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