

File Name	SC-AppleTV.doc	Document Revision	1-0
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Description	Speakercraft MZC66/MZC88 with Apple TV		



***Speakercraft MZC66/MZC88 with Apple TV***

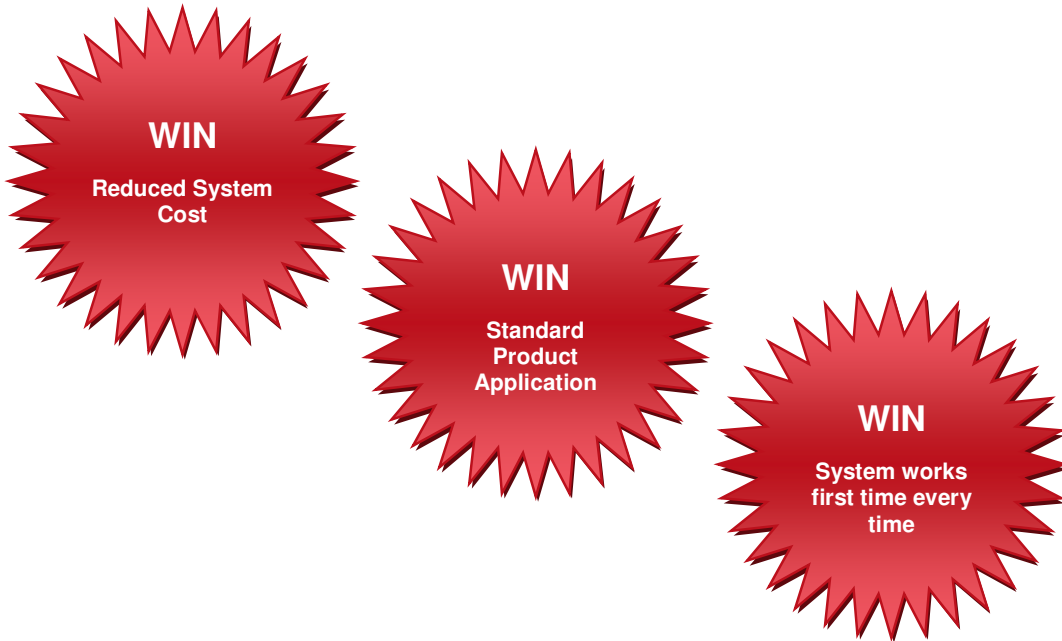


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*iLED has tested various combinations of equipment to provide cost effective use of speakercraft MZC multi zone audio video receiver amplifier system.*





This document details the installation of an Apple TV in a distributed Audio and Video application using either Speakercraft MZC66 or MZC88

## Introduction

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Apple TV provides a very simple, easy to integrate media server that fits in well with a Speakercraft MZC66 or MZC88 system. Stereo Audio as well as Composite Video can be distributed and enjoyed in any of the programmed zones. All control functions can be implemented using Infra Red (IR) and the On Screen Display.

The simplicity of distribution through an MZC audio video receiver makes this a useful addition for background music, movies and pictures. I know that the resolution is not the best available but the total solution cost is so much cheaper than distributing and switching HDMI.

## Video Quality Considerations

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The video outputs of an Apple TV are HDMI or Component Video. To be able to distribute the video cost effectively using a Speakercraft MZC system, iLED supply a component to composite video convertor. Due to the restrictions on component video, the resolution of the display is downscaled from the maximum 1080p to 576i for PAL systems and 525i for NTSC.

## Integration Considerations

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I found that the ease of integration and simple user interface has resulted in using the Apple TV as an integral part of the entire home solution. An example is the simplicity of dumping pictures onto the Apple TV from a PC in the house via iTunes – then within minutes, watching the pictures in a slide show with music all handled by the Apple TV. My experience is that the process of downloading pictures, cleaning and sorting then adding music then burning to DVD to watch from the home theatre DVD player becomes too lengthy. Pictures are then left on a disk somewhere and never watched – With a Speakercraft MZC controller and Apple TV, the process is so simple that you want to look at those recently taken pictures and videos of family and friends from any display connected to the MZC.

### 1. Infra Red

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- a. The Apple TV has a very simple remote that controls all the functions via the on screen display.
- b. A simple Infra Red (IR) emitter (Speakercraft IRE1.0) from the MZC to the Apple TV IR Receiver is all that is required to integrate all the functions.
- c. The IR codes are available from iLED or can be captured using the Speakercraft LTM1.0.

## 2. Wiring

A diagram is provided below showing the connection of an MZC88 to an apple TV. Please note that cables 1,2,3 and 4 on the diagram are supplied with the iLED eZi-VID-007

