

**StarServe Audio**  
Audio Distribution System

**CLIPSAL**<sup>®</sup>

by Schneider Electric

**Easily installed  
affordable  
home audio**

[clipsal.com](http://clipsal.com)

D A T A C O M M S

## Easy to Install, Affordable Home Audio

Easy to install and use, that's music to your ears and your customers'. Clipsal's StarServe Audio range delivers quality, affordable audio to homeowners while providing a straightforward and simple process for you.

We all like the option to play music throughout our home. Clipsal's StarServe Audio provides complete flexibility to play devices around the home.

Most families don't share the same musical tastes, so this system enables different music to be played in each room, all from the one system. By locating local input wall plates around the home you can provide your customers with the flexibility to plug in any device with a 3.5mm mini jack or RCA to RCA lead.

The most common application for Clipsal's StarServe Audio is to distribute music from an MP3 player or laptop. It's simple to operate, affordable and, best of all, easy to install.



**With Clipsal StarServe Audio, your customers can choose from a basic installation through to a full-scale solution that will bring music to every room of their home.**



3105SIMPS



3105LSIM



3105VCRC



8050/2LD

## Typical Applications

### Outdoor Entertaining

Gone are the days of iPod docks and CD players in the outdoor entertaining area. With StarServe Audio, complete with quality outdoor speakers, your customers can conveniently enjoy music outdoors all year round.



### Home Theatre/Family Room

Set up any home theatre/TV room the easy way, while maximising the entertainment experience for your customers. Movies, gaming and even the local news show will come to life with StarServe Audio in place.



### Kitchen/Dining Room

StarServe Audio will keep your customer's kitchen bench clutter-free and safer, while improving the ambiance for mealtimes, dinner parties and even preparing their favourite meal.



### Study

If your customers enjoy working to music then StarServe Audio is the perfect solution for their study/home office.



### Bedroom

StarServe Audio has the flexibility to provide your customers with the option of enjoying music in their bedroom. Great for relaxing in the evening or getting ready on those busy mornings.



### Garage/Home Gym

If your customers like to spend hours in the garage working on their latest mechanical project, then you can provide them with a practical garage/home gym audio experience.

Plus, what could be better than working out while listening to a StarServe Audio system to keep the motivation going?



5600ICP



3105APS24V



3105ADJB

**StarServe Audio is a flexible solution, which allows you to provide your customers with a home audio system to suit their specific requirements.**

## Product Solutions

### StarServe Audio Starter Kit

This kit is the basic StarServe Audio Solution, which can then be added to, room by room, with StarServe Audio Zone Kits. The kits contain speakers for one zone, a system input module and a wall volume control with remote control.

Catalogue No.	Description
<b>3105SIVCICP-WE</b>	Audio Starter Kit - Indoor Ceiling Poly Speakers. Includes <b>3105SIMPS</b> x 1 (system input module), <b>3105VCRC-WE</b> x 1 (wall volume control), <b>5600ICP-WE</b> x 1 (pair of indoor ceiling speakers)

### StarServe Audio Zone Kit

This kit is to be added to a StarServe Audio Starter Kit. The kits contain speakers for one zone and a wall volume control with remote control.

Catalogue No.	Description
<b>3105VCICP-WE</b>	Audio Zone Kit - Indoor Poly Speakers, Includes <b>3105VCRC-WE</b> x 1 ( wall volume control), <b>5600ICP-WE</b> x 1 (pair of indoor poly ceiling speakers)

### Speaker Options

Expand StarServe Audio across the home with speakers for every application.

In-Wall Speakers



**5600IWP-WE** (Polypropylene Drivers)

In-Ceiling Speakers



**5600ICP-WE** (Polypropylene Drivers)

Outdoor Speakers



**5600ODP-WE** (Polypropylene Drivers)

### Speaker Specifications

Model	<b>5600IWP</b> In-Wall Polypropylene	<b>5600ICP</b> In-Ceiling Polypropylene	<b>5600ODP-WE</b> Outdoor Speaker
Sensitivity	<88DB	<90DB	<88DB
Frequency Response	50Hz-20kHz	45Hz-20kHz	55Hz-20kHz
Cut Out	270mm x 185mm	195mm diameter	N/A
Dimensions (Rim)	305mm x 220mm	240mm	N/A
Output	60W	60W	35W
Impedance	8Ω	8Ω	8Ω
Colour	White	White	White

## Product Solutions

### Stereo Input Module with Power Supply

The stereo input module connects the music source to the StarServe Audio cabling system located at the main music source.

- Comes complete with a power supply that enables up to four music zones to be connected.
- More music zones can be added to the system by using the audio distribution junction box.
- Has an IR remote control facility built-in. If the source can be controlled with a remote control, then it can control StarServe Audio too.
- Connect the music source to the stereo input plate by either a 3.5mm stereo mini jack to an RCA lead or by RCA to RCA lead, depending on the source output.



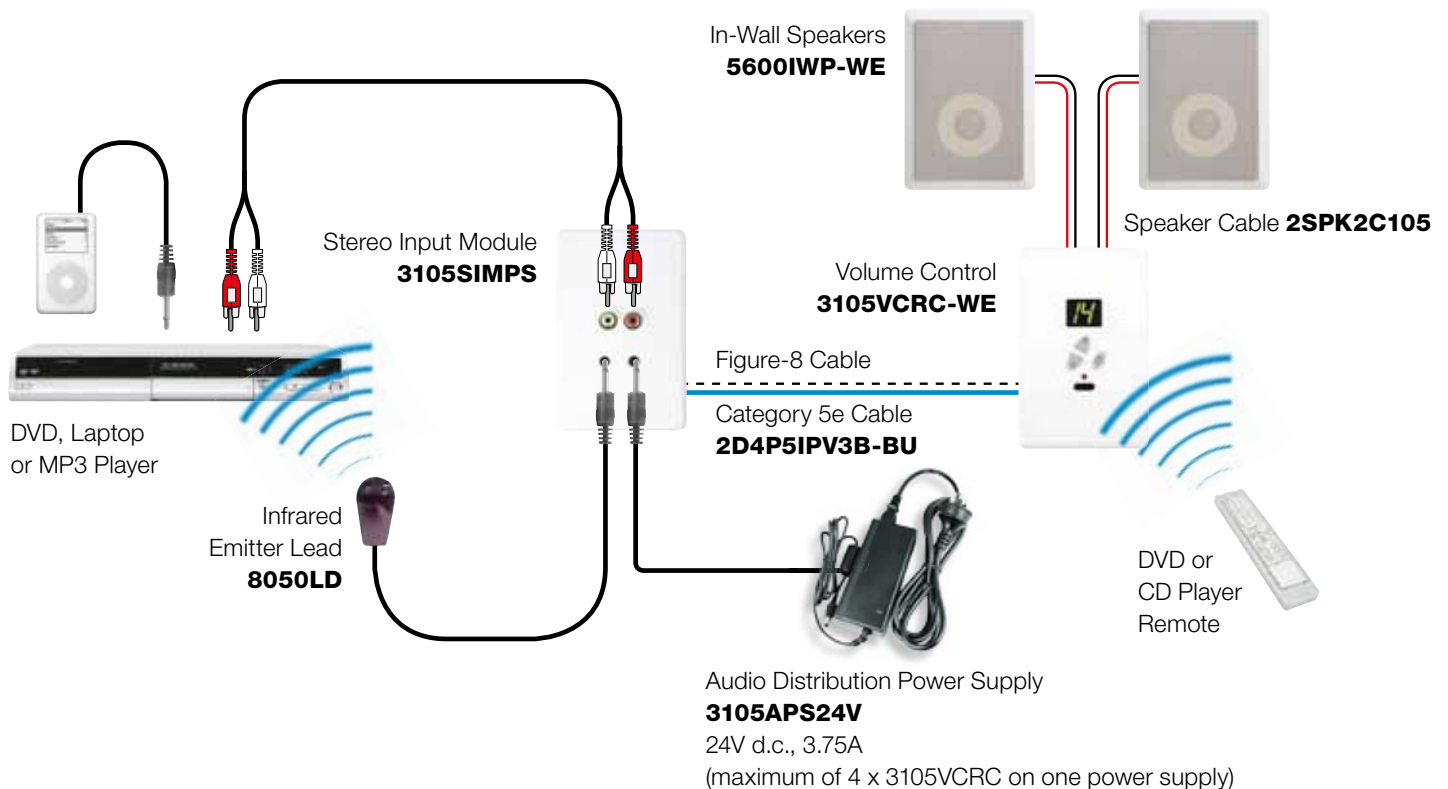
Stereo Input Module with power supply  
**3105SIMPS**



Emitter Lead  
**8050/2LD**  
(sold separately)

### Remote Control of the Source

- With StarServe Audio you can remotely control the music source, as the stereo input module has a built-in infrared (IR) receiver.
- With the addition of an IR emitter lead (sold separately) this functionality can be added to the audio solutions system at any stage after the installation has been completed.



Audio Distribution Power Supply  
**3105APS24V**  
24V d.c., 3.75A  
(maximum of 4 x 3105VCRC on one power supply)

## Product Solutions

### Local Stereo Input Module

- The local stereo input module allows the connection of a local music source to the audio system.
- Simply plug the 3.5mm stereo mini jack into the local stereo input wall plate. The main source will then disconnect and the local source takes over for that zone.
- Disconnect the 3.5mm stereo mini jack from the local stereo input wall plate and it reverts back to the main source.
- The **3105LSIM** comes complete with a 3.5mm to 3.5mm stereo mini jack.
- A typical scenario for the local input wall plate is when family members want to listen to different music in different rooms. Your customers can simply take their MP3 player or other music source and connect it to the local input wall plate.

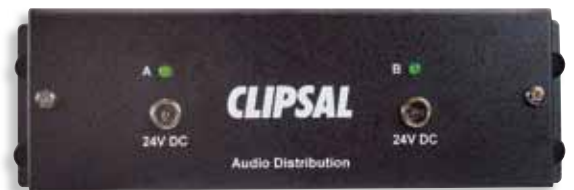


Local Stereo  
Input Module  
**3105LSIM**

### Audio Distribution Junction Box

The audio distribution junction box is used when more than four zones are required.

- Up to seven zones can be connected to the audio distribution junction box. It can be connected to another **3105ADJB** to expand the system where more than seven zones are required.
- Multiple power supplies are required for systems with more than four zones. The first power supply comes with the stereo input module (**3105SIMPS**) and additional power supplies can be purchased separately (**3105APS24V**). Each power supply can support a maximum of four zones.
- The audio distribution junction box will require a star wiring method.



Audio Distribution Junction Box  
**3105ADJB**



### Audio Distribution Junction Box Power Supply



The first power supply is normally connected remotely via the **3105SIMPS**. If this is unsuitable due to the location of your power outlet, you can connect the first power supply directly to the **3105ADJB** junction box.

Additional Power  
Supply (sold separately)  
**3105APS24V**

## Product Solutions

### Audio Distribution System Information

- 24V d.c., 3.75A, power supply (**3105APS24V**).
- Maximum of 4 x **3105VCRC** (volume controls) on one power supply.
- Maximum of 7 x **3105VCRC** (volume controls) on any audio distribution junction box (**3105ADJB**).



Audio Distribution Power Supply  
**3105APS24V**

### Volume Control with Remote Control

- The volume control is an 8-watt amplifier that controls music for one zone.
- Only one pair of speakers can be connected to a volume control known as a zone.
- The same functions can be controlled via the remote control that is included with each volume control wall plate. Functions include on/off, volume up and volume down.

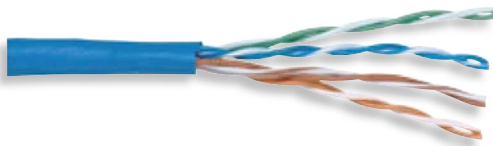


Volume Control  
with Remote  
**3105VCRC-WE**

### Cabling Accessories



Figure 8 Cable, **14/020** or **24/020**



Category 5e Cable, **2D4P5IPV3B-BU**



Speaker Cable  
**2SPK2C105** (1.5mm<sup>2</sup>), **2SPK2C259** (3.0mm<sup>2</sup>)



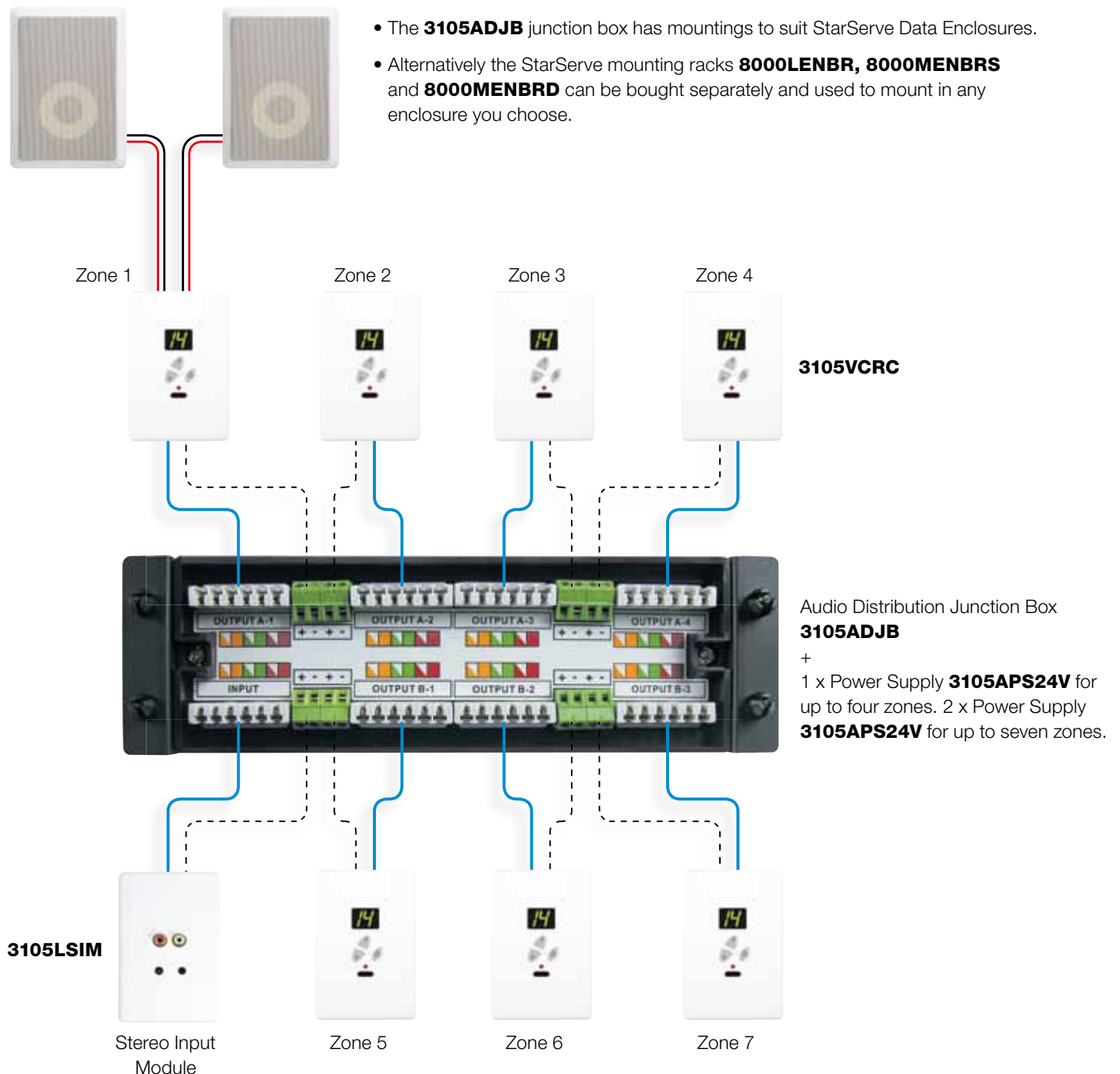
**30BCBM**



**30BCRM**



## Basic 'Star Wired' Cabling Method



- Figure 8 Cable
- Category 5e Cable
- ==== Speaker Cables 1 pair (Left), 1 pair (Right)



# Wiring Diagrams

## Single Source



Figure 8 Cable  
Category 5e Cable

Stereo Input Module  
**3105SIMPS**



Speaker Cable

Volume Control  
**3105VCRC**



Speakers



## With Local Input



Figure 8 Cable  
Category 5e Cable

Stereo Input Module  
**3105SIMPS**



Local Input Module  
**3105LSIM**



Speaker Cable

Volume Control  
**3105VCRC**



Speakers



## Rear view



Stereo Input Module  
**3105SIMPS**



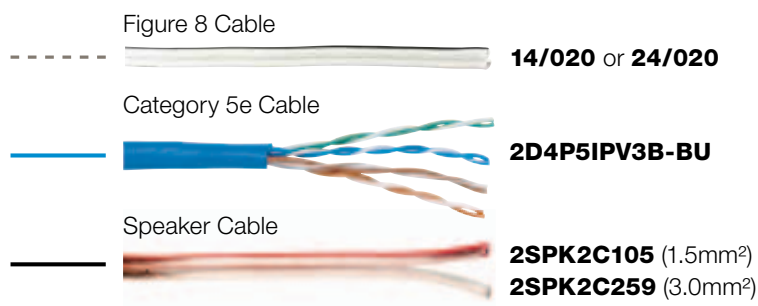
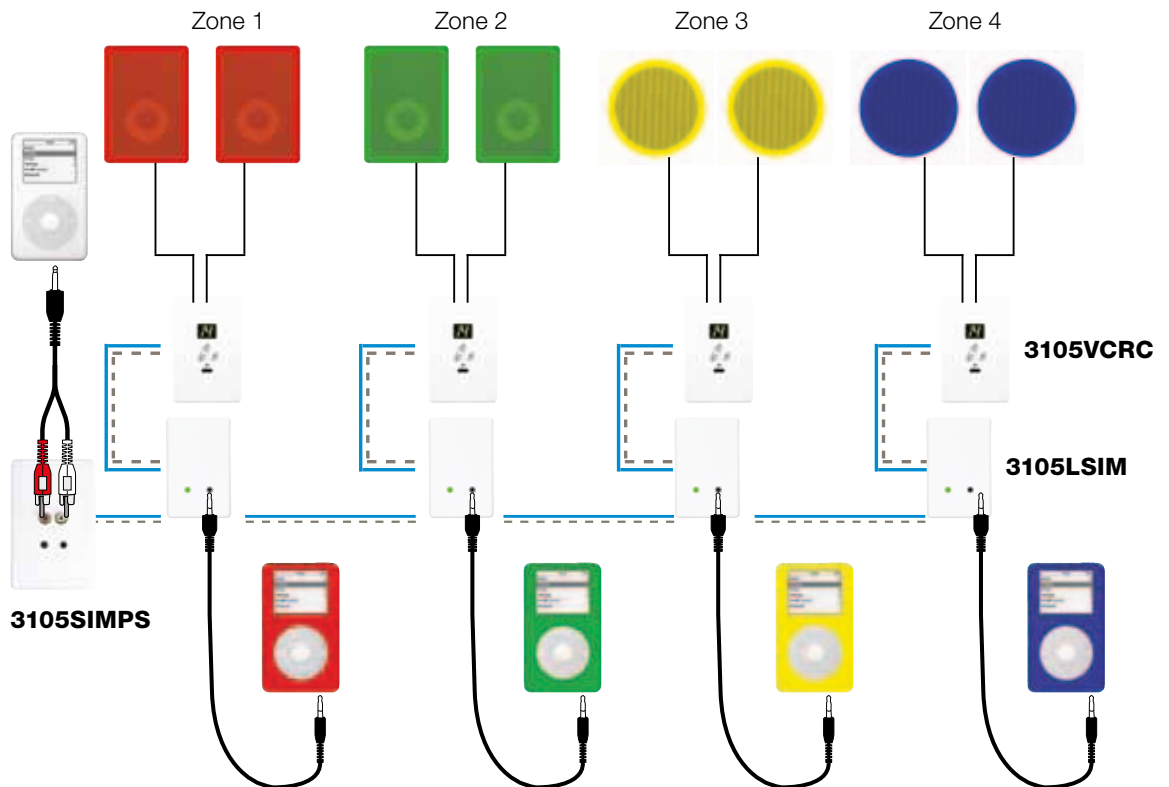
Local Input Module  
**3105LSIM**



Volume Control  
**3105VCRC**

## Four Zones 'Loop Wired' with Local Inputs

- All four zones can be 'loop wired' with a local stereo input module at each zone.
- Each zone can be operated with ON/OFF and volume settings.
- All zones can listen to the main music source or each zone can alternatively listen to their local music source.
- **If your customers wish to expand their system to more than 4 zones, you must re-cable the zones for a 'star wiring' method.**



## Four Zones 'Star Wired' with 3105ADJB, with Local Inputs

- Up to seven zones can be 'star wired' with a local stereo input module at each zone from the audio distribution junction box.
- Each zone can be operated independently for ON/OFF and volume settings.
- All seven zones can listen to the main music source or each zone can listen alternatively to their own local music source.

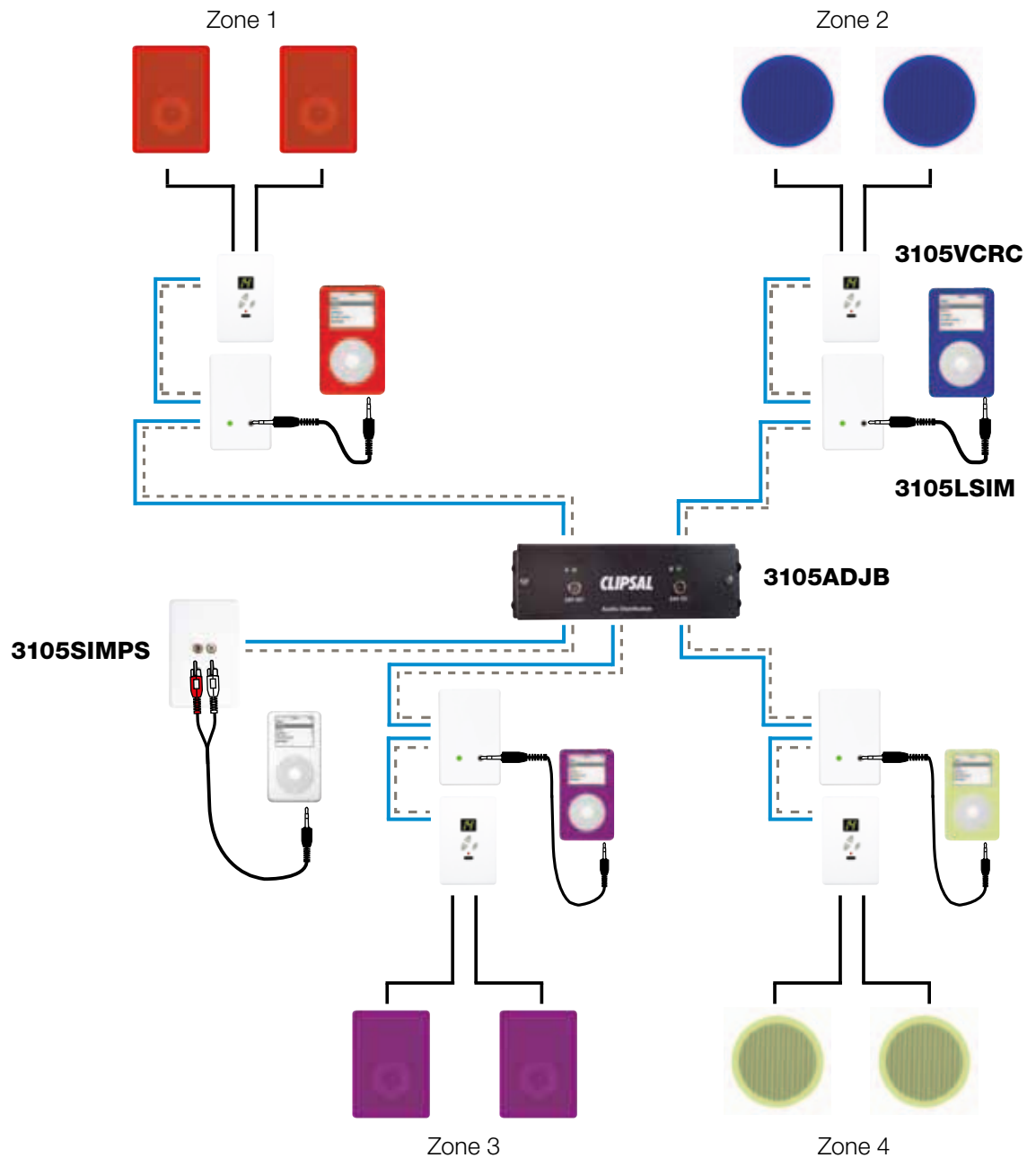





Figure 8 Cable		<b>14/020 or 24/020</b>
Category 5e Cable		<b>2D4P5IPV3B-BU</b>
Speaker Cable		<b>2SPK2C105 (1.5mm<sup>2</sup>)</b> <b>2SPK2C259 (3.0mm<sup>2</sup>)</b>

## Specifications

Catalogue No.	Description
3105SIVCICP-WE	Includes 3105SIMPS x 1 (system input module), 3105VCRC-WE x 1 (Wall Volume Control), 5600ICP-WE x 1 (Pair of Indoor polypropylene ceiling speakers)
3105VCICP-WE	Includes 3105VCRC-WE x 1 (Wall Volume Control), 5600ICP-WE x 1 (Pair of Indoor polypropylene ceiling speakers)
5600IWP-WE	Flush mounted white speakers (pair), rectangular, in-wall, 60W, 8 Ohm, polypropylene drivers
5600ICP-WE	Flush mounted white speakers (pair), circular, in-ceiling, 60W, 8 Ohm, polypropylene drivers
56000DP-WE	Outdoor / shelf top white speakers (pair), 35W, 8 Ohm, polypropylene drivers
3105SIMPS	System Input Wall Plate (White) with power supply 3105APS24V
3105APS24V	Power supply 24 Volt DC, able to power up to a maximum of 4 audio zones
8050LD	IR emitter with cable, single emitter head
8050/2LD	IR emitter with cable, dual emitter heads
3105VCRC-WE	Zone volume control wall plate (white) with hand-held IR remote control
2SPK2C105	Cable speaker 105 strands x 0.12mm (equivalent to 1.5mm <sup>2</sup> ) 100 metre reel
2SPK2C259	Cable speaker 259 strands x 0.12mm (equivalent to 3.0mm <sup>2</sup> ) 100 metre reel
2D4P5IPV3B	4 Pair, Cat. 5e, UTP, 305 metre box - blue
3105LSIM	Local source input module wall plate (white) - allows a local source to connect to a 3105VCRC
3105ADJB	Audio distribution junction box - used to expand a 4 zone system to 7 zones total, requires all zones to be wired in a star method, an additional 3105APS24V power supply is required for 7 audio zones.
30BCBM	Banana connector black (used for speaker cabling only), in 30 mech bezel
30BCRM	Banana connector red (used for speaker cabling only), in 30 mech bezel
8000LENBR	Shallow (12mm deep) hook and rail bracket to suit StarServe Lite enclosure
8000MENBRS	Shallow (12mm deep) hook and rail bracket to suit StarServe Mid enclosure, not suitable for LITE enclosure
8000MENBRD	Deep (55mm deep) hook and rail bracket to suit StarServe Mid enclosure, not suitable for LITE enclosure



**For information on StarServe Audio contact your local Clipsal Representative, electrical wholesaler or visit [clipsal.com](http://clipsal.com)**

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