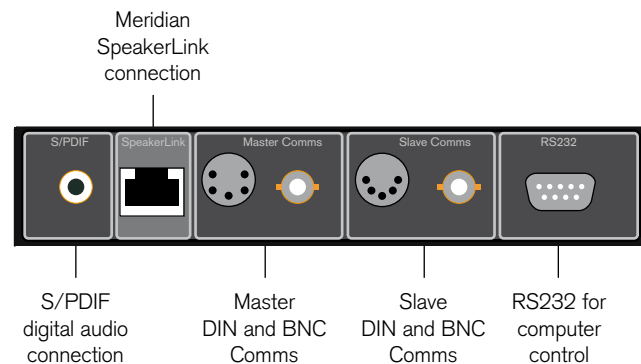## Introduction

The AC12 allows you to connect up a system consisting of both the latest Meridian SpeakerLink products, and earlier Meridian products using Meridian Comms over either 5-pin DIN connectors or BNC connectors.

The AC12 is a passive component and so is completely self-contained; it does not need a power supply or mains connection.

Back panel connections

Meridian SpeakerLink connection

S/PDIF digital audio connection

Master DIN and BNC Comms

Slave DIN and BNC Comms

RS232 for computer control

1. 2-channel SpeakerLink to non-SpeakerLink loudspeakers

Meridian 808.2 CD Player

AC12

DSP loudspeaker – Master

DSP loudspeaker – Slave

M lead

S lead

2. 2-channel non-SpeakerLink to SpeakerLink loudspeakers

Meridian CD Player or Control Unit

AC12

DSP loudspeaker – Master

DSP loudspeaker – Slave

Digital coax lead

C5 lead

SpeakerLink lead
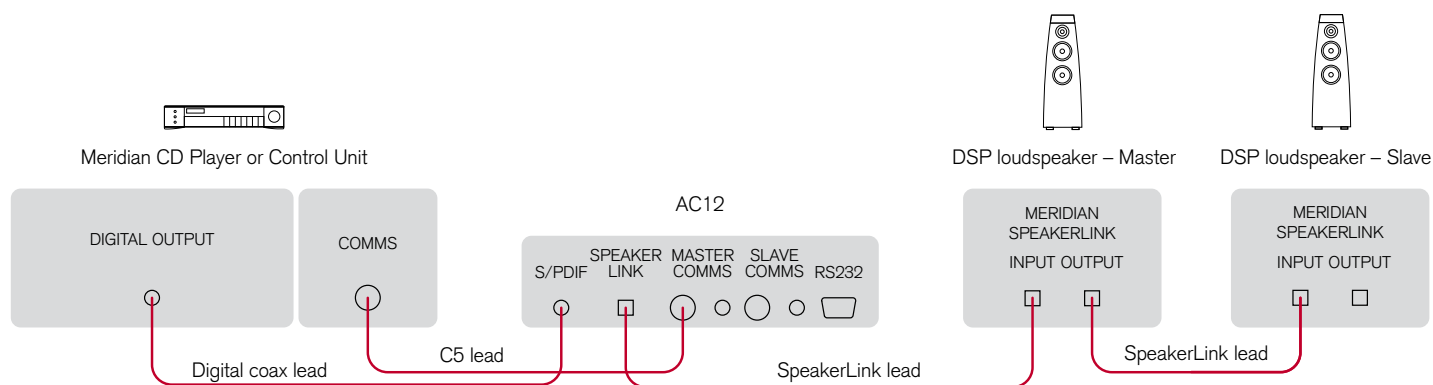
SpeakerLink lead

3. 2-channel non-Meridian source (eg PC) to SpeakerLink loudspeakers

Non-Meridian Source

AC12

DSP loudspeaker – Master

DSP loudspeaker – Slave

Digital coax lead

RS232 lead

SpeakerLink lead
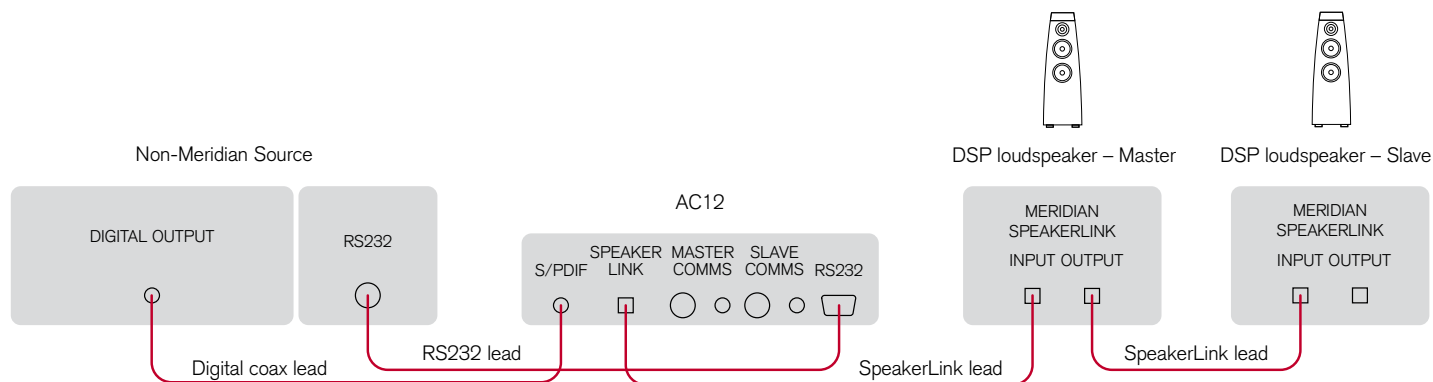
SpeakerLink lead

Use this application to connect a recent Meridian source with a SpeakerLink output to a pair of Meridian Digital loudspeakers that do not have SpeakerLink.

- Connect the SpeakerLink output from the source to the SpeakerLink input on the AC12.
- Connect the Master Comms and S/PDIF connections on the AC12 to the master loudspeaker using a Meridian M lead.

Use the DIN Comms or BNC Comms as appropriate.

- Connect the loudspeakers together using a Meridian S lead.

Use this application to connect a Meridian source that does not have a SpeakerLink output to a pair of Meridian Digital loudspeakers with SpeakerLink.

- Connect the digital output from the source to the S/PDIF input on the AC12, using a digital coax cable.
- Connect the Comms connection from the source to the Master Comms connection on the AC12, using a Meridian C5 (master to master) lead.

Alternatively, if the product has BNC comms you can connect it to the AC12 Master Comms BNC socket.

- Connect the SpeakerLink connector on the AC12 to the loudspeaker you have configured as master using a SpeakerLink lead.
- Connect the loudspeakers together using SpeakerLink leads.

Use this application to connect a non-Meridian source, such as a PC, to a pair of Meridian Digital loudspeakers with SpeakerLink.

- Connect the digital output from the source to the S/PDIF input on the AC12, using a digital coax cable.
- Connect the SpeakerLink connector on the AC12 to the loudspeaker you have configured as master using a SpeakerLink lead.
- Connect the loudspeakers together using SpeakerLink leads.
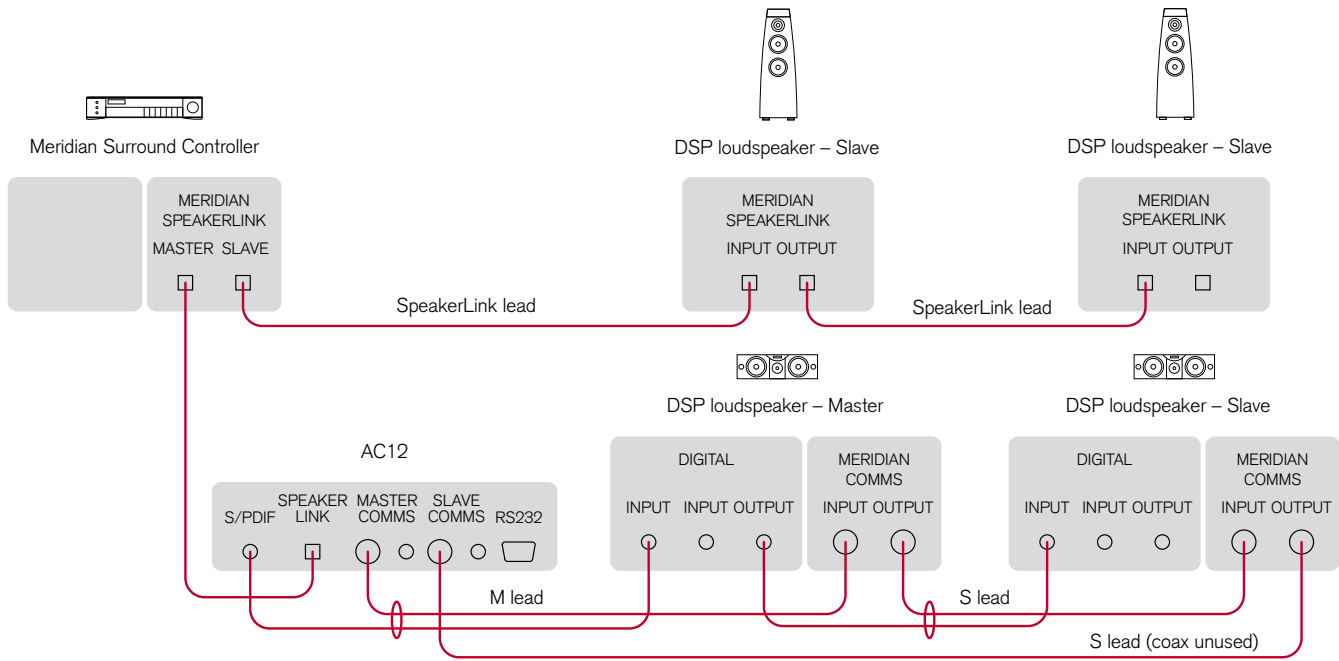
You can connect an RS232 null-modem cable between the PC and the AC12 to provide PC control of the DSP loudspeakers using the Meridian Control Window program; for more information see the *Meridian Configuration Program Guide*.

4. Multichannel SpeakerLink to SpeakerLink slave loudspeakers and non-SpeakerLink master

Meridian Surround Controller

MERIDIAN
SPEAKERLINK

MASTER SLAVE

DSP loudspeaker – Slave

MERIDIAN
SPEAKERLINK

INPUT OUTPUT

DSP loudspeaker – Slave

MERIDIAN
SPEAKERLINK

INPUT OUTPUT

SpeakerLink lead

SpeakerLink lead

DSP loudspeaker – Master

DSP loudspeaker – Slave

AC12

SPEAKER MASTER SLAVE
S/PDIF LINK COMMS COMMS RS232

DIGITAL

INPUT INPUT OUTPUT

MERIDIAN
COMMS

INPUT OUTPUT

DIGITAL

INPUT INPUT OUTPUT

MERIDIAN
COMMS

INPUT OUTPUT

M lead

S lead

S lead (coax unused)

Use this application to connect up a multichannel system that includes both SpeakerLink and non-SpeakerLink loudspeakers, where the speaker you have chosen as the master does not have SpeakerLink.

- Connect the Master SpeakerLink output from the source to the SpeakerLink input on the AC12.
- Connect the Master Comms and S/PDIF connections on the AC12 to the loudspeaker you have configured as master, using a Meridian M lead.
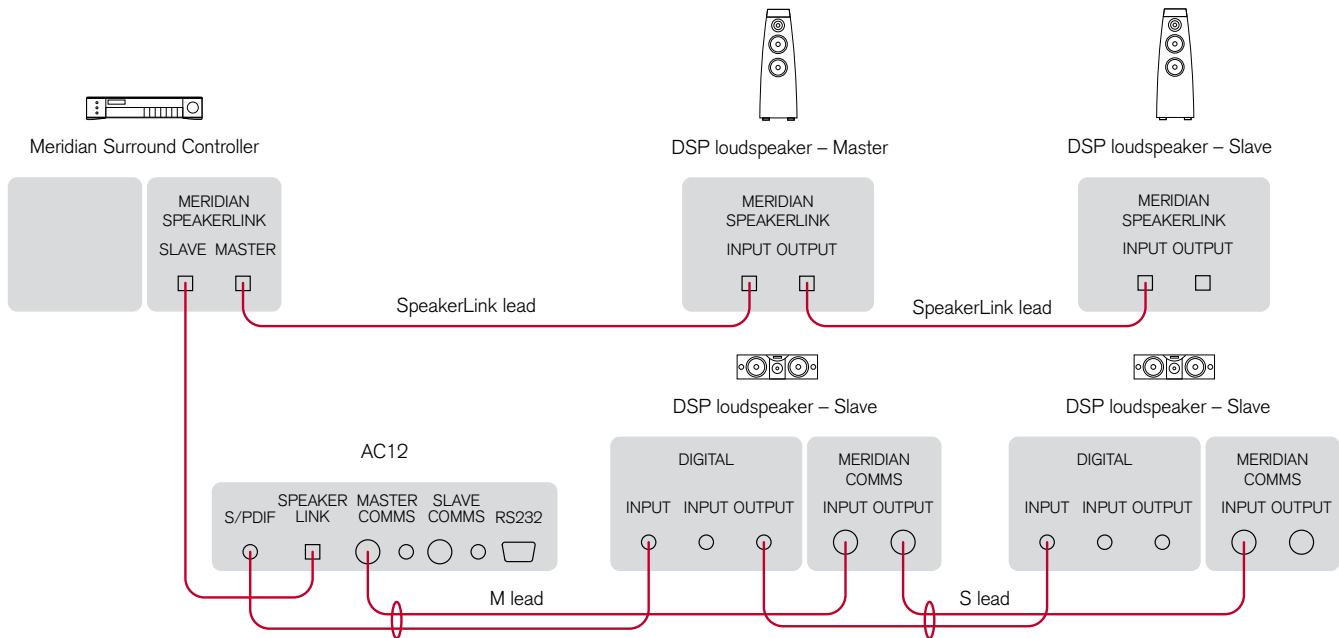
Use the DIN Comms or BNC Comms as appropriate.

- Connect the non-SpeakerLink loudspeakers together using a Meridian S lead.
- Take a return from the last non-SpeakerLink slave loudspeaker back to the AC12 Slave Comms connection, using the Comms part of a Meridian S lead.
- Connect the Slave SpeakerLink output from the source to the first SpeakerLink loudspeaker, using a SpeakerLink lead.
- Connect the remaining SpeakerLink loudspeakers together using SpeakerLink leads.

5. Multichannel SpeakerLink to non-SpeakerLink slave loudspeakers and SpeakerLink master

Meridian Surround Controller

MERIDIAN
SPEAKERLINK

SLAVE MASTER

DSP loudspeaker – Master

MERIDIAN
SPEAKERLINK

INPUT OUTPUT

DSP loudspeaker – Slave

MERIDIAN
SPEAKERLINK

INPUT OUTPUT

SpeakerLink lead

SpeakerLink lead

DSP loudspeaker – Slave

DSP loudspeaker – Slave

AC12

SPEAKER MASTER SLAVE
S/PDIF LINK COMMS COMMS RS232

DIGITAL

INPUT INPUT OUTPUT

MERIDIAN
COMMS

INPUT OUTPUT

DIGITAL

INPUT INPUT OUTPUT

MERIDIAN
COMMS

INPUT OUTPUT

M lead

S lead

Use this application to connect up a multichannel system that includes both SpeakerLink and non-SpeakerLink loudspeakers, where the speaker you have chosen as the master does have SpeakerLink.

- Connect the Master SpeakerLink output from the source to the master SpeakerLink loudspeaker, using a SpeakerLink lead.
- Connect the SpeakerLink loudspeakers together using SpeakerLink leads.
- Connect the Slave SpeakerLink output from the source to the SpeakerLink input on the AC12.
- Connect the Master Comms and S/PDIF connections on the AC12 to the first non-SpeakerLink slave loudspeaker, using a Meridian M lead.

Use the DIN Comms or BNC Comms as appropriate.

- Connect the non-SpeakerLink loudspeakers together using a Meridian S lead.

AC12

User Guide

MERIDIAN