MERIDIÅN TWO ROOM*PLUS* SYSTEM

Meridian Two-Room *plus* System.

Meridian Two-Room *plus* is an easy to install system which gives listening and control in two or more rooms. Only standard Meridian 500 Series components are needed. This manual describes some systems and explains the options available.

The Main Room of an installation may be any Meridian system, from one based on a 551 Integrated Amplifier to a full Meridian Digital Theatre with a 562V Multimedia Controller and 565 Digital Surround Processor. This room typically contains all the sources of the system.

Other rooms, called secondary rooms in this manual, may comprise a 501 or 501V Control Unit or a 551 and whatever additional amplification and speakers the customer requires. The 'control unit' in a room is whatever 501/V, 562/V or 551 is in that room.

The Meridian 500 Comms system allows an MSR handset to be used in any room to control the source selection, volume and muting in that room. In addition the 551 or 501 in the secondary rooms display the track and preset selections on the CD player and tuner to enable the customer to control the sources in the main room. For example, if track 4 of the CD is to be programmed from the second room, on pressing **4** followed by **STORE**, the control unit will display **S. 4**.

All-Analogue Systems

A typical analogue Two-Room System is shown in figure 1.

- Audio for the second room is taken from the **Tape Output** of the 501, via long phono-phono leads, to the **Tape 1** input of the 551.
- The communications connection needed is a long 500 Comms lead between the **Comms** sockets of the remote 551 and the main system. See Figure 5.
- The Comms connection to the other room may be made to any of the products in the main room, as long as there are Comms leads connecting every product.
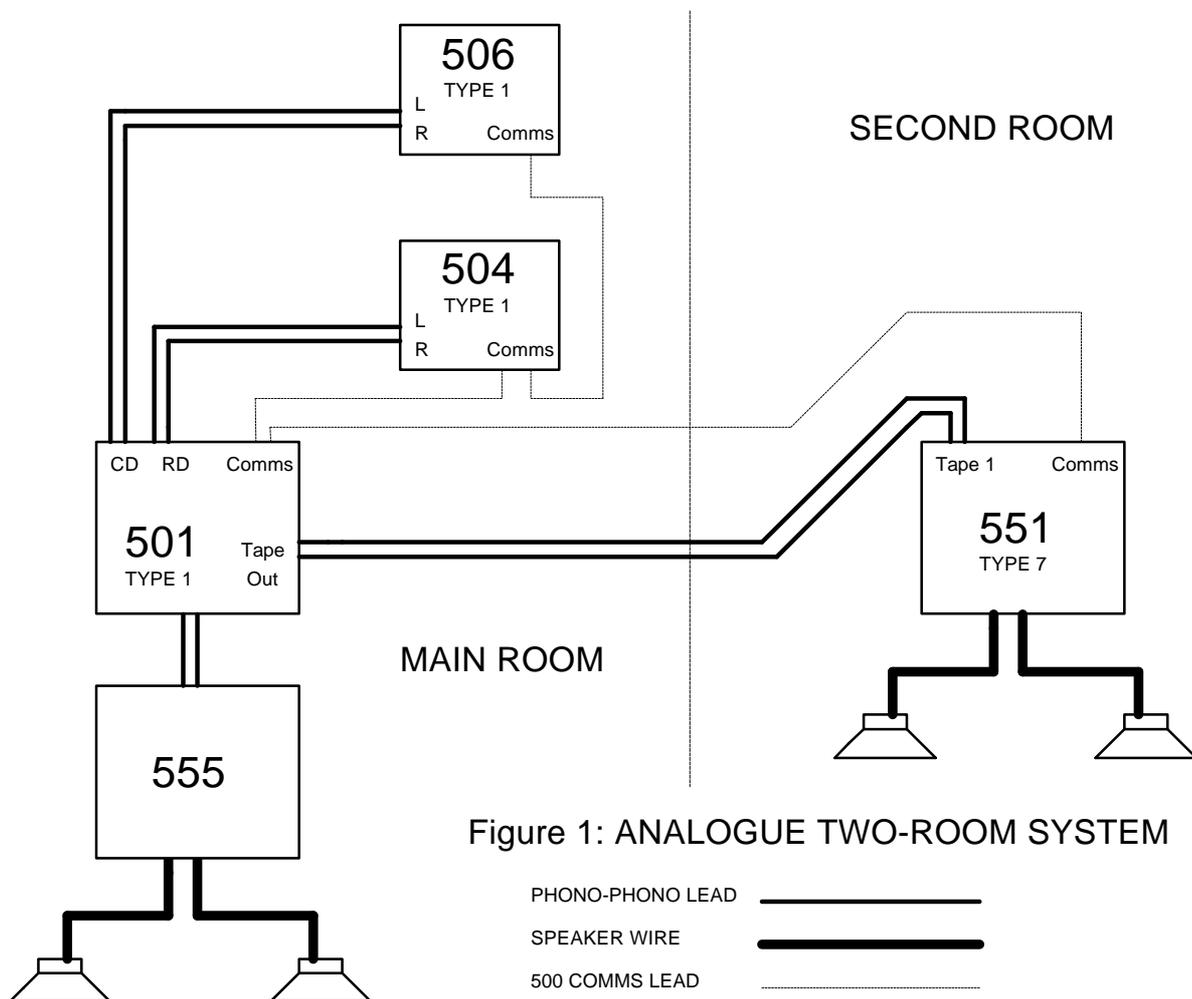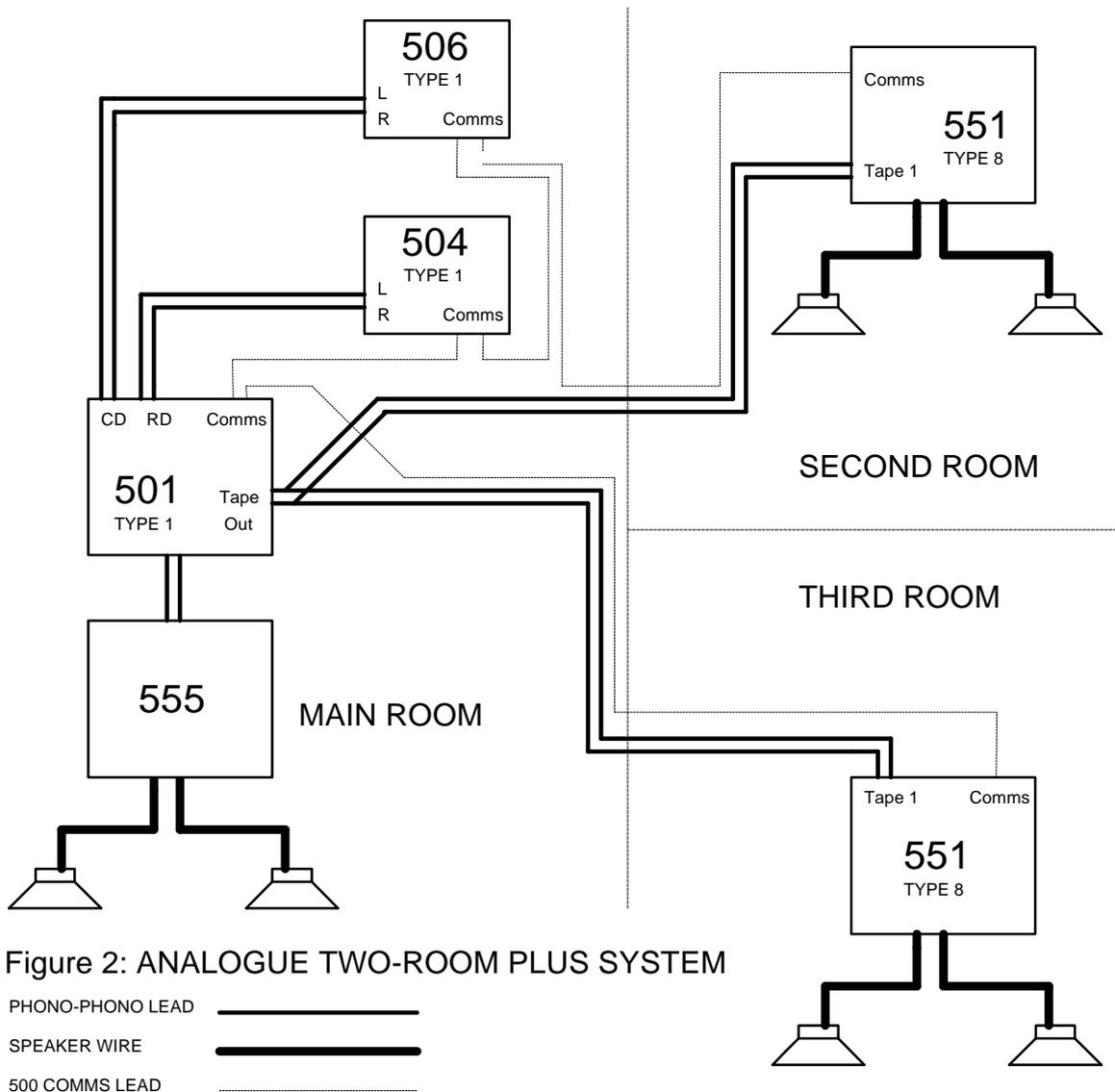

Figure 1: ANALOGUE TWO-ROOM SYSTEM

PHONO-PHONO LEAD	————
SPEAKER WIRE	▬▬▬
500 COMMS LEAD	·········

To set up the 551 in the second room, simply follow the TYPE procedure outlined in the *User Manual* and set it to TYPE 7. Because the second room is connected to the tape output of the 501, the second room source can be changed with the **COPY** key on the 501. Alternatively, a 551 in both rooms or a 501/555 combination in both rooms may be used. The control unit in the second room is set to TYPE 7.

Additional rooms may be added as shown in figure 2.

Figure 2: ANALOGUE TWO-ROOM PLUS SYSTEM

PHONO-PHONO LEAD	————————
SPEAKER WIRE	━━━━━━━
500 COMMS LEAD	··················

The Comms connection is 'daisy-chained' from room to room, while the audio for each room is connected by a separate lead back to the **Tape Output** of the control unit in the main room. When three or more rooms are installed, the control units in the secondary rooms are set to TYPE 8.

Since there is one tape loop in 500 series control units, the second and subsequent rooms have to listen to the same source. However, 500 Comms allows them to turn on/off and mute independently and have different volume levels. Meridian sources may be controlled with the MSR from any room.

If, for example, you want to listen to the 504 in the third room and the main system is turned off, press **RD** on the handset and select a preset using the **NEXT/PREV** keys. The control unit will then display the preset, e.g. **P. 2**. If someone in another room selects Radio they will also be able to control the tuner.

Mixed Analogue and Digital Systems

A more sophisticated system is shown in figure 3. In this case the main room is a Meridian Digital Music System based on a pair of DSP5000 Digital Active Loudspeakers. The control unit is a 562V Multimedia Controller with a 517 DAC Module fitted. This provides the other rooms with analogue signals from any digital sources connected, such as CD or Laser Disc.
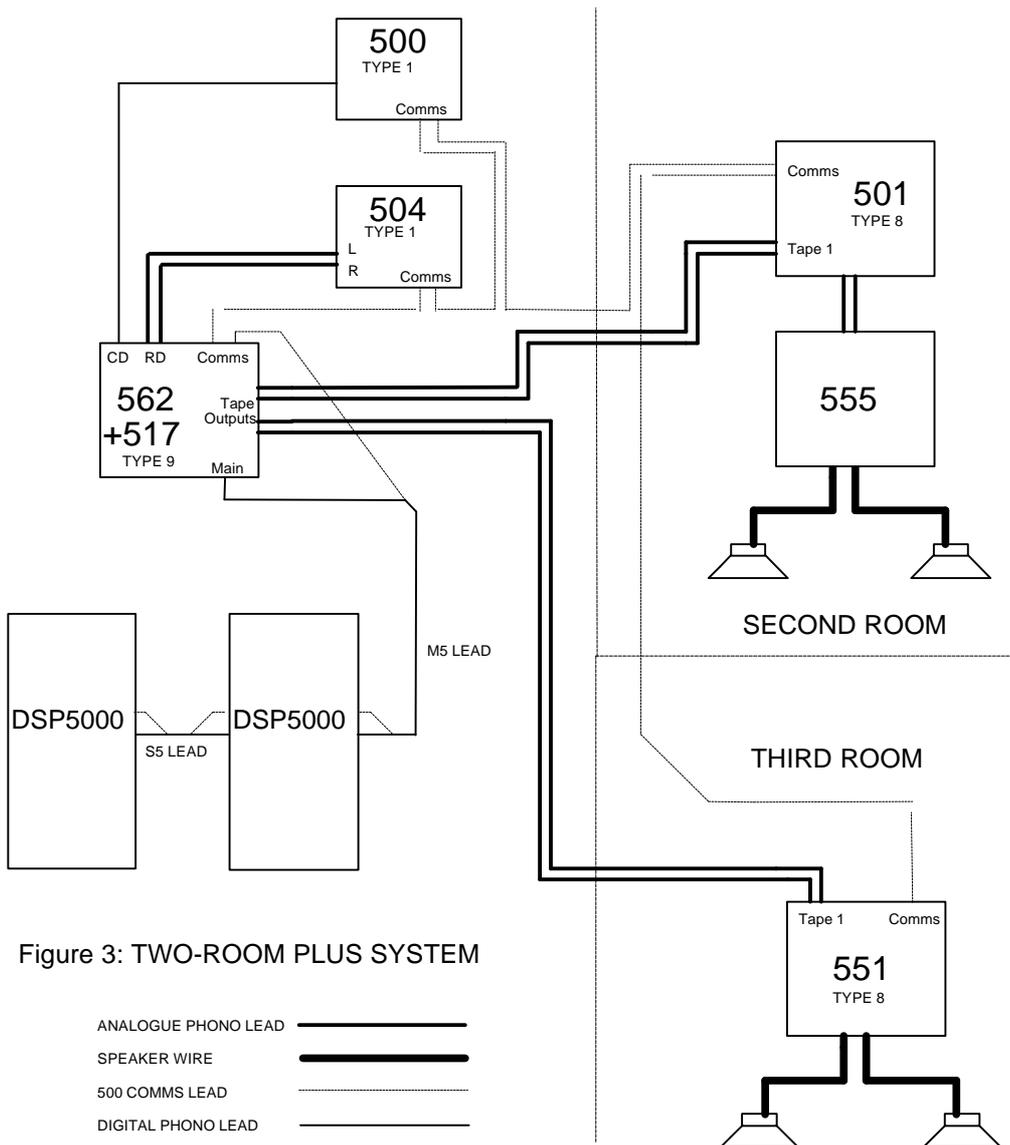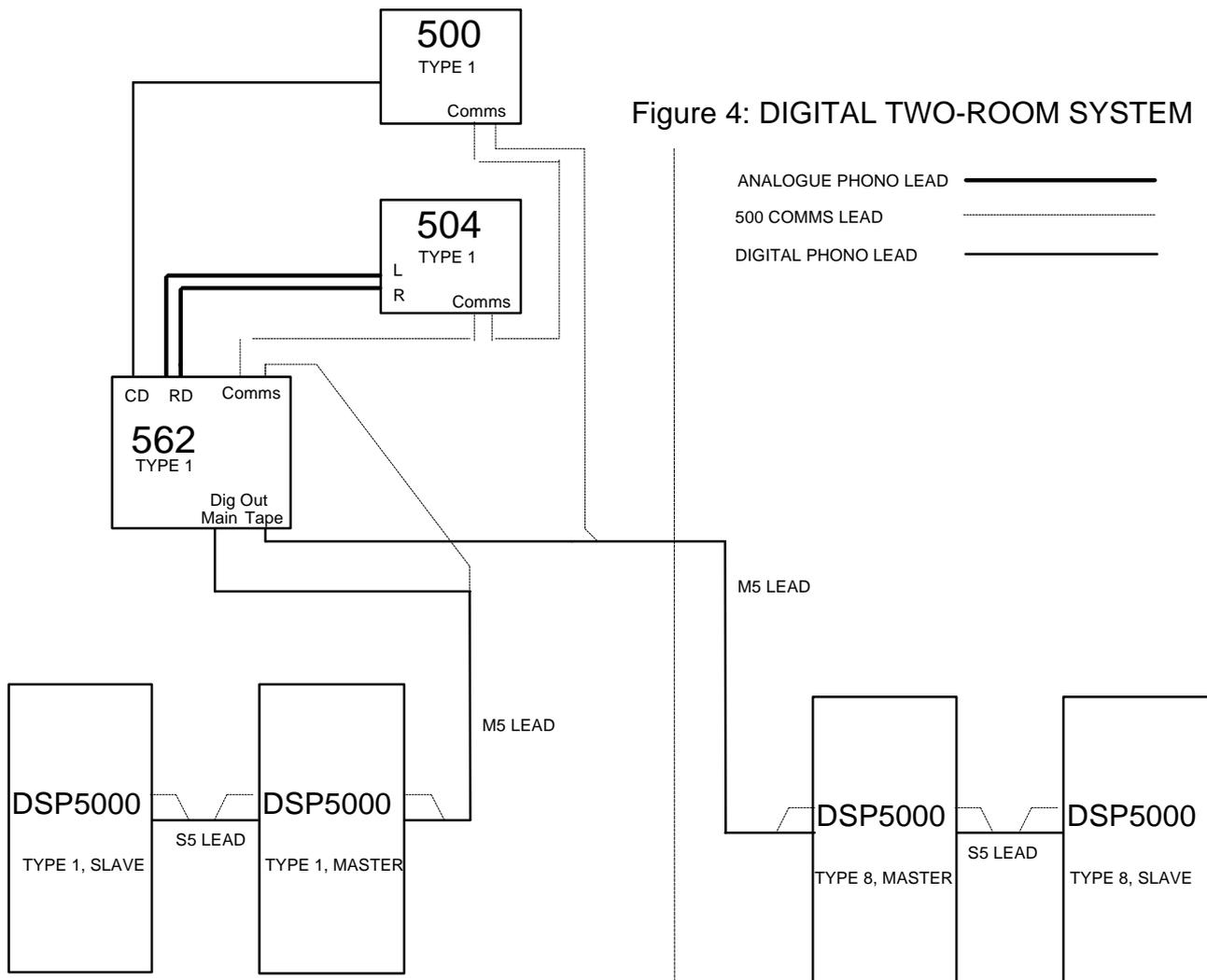

Figure 3: TWO-ROOM PLUS SYSTEM

The other rooms may contain 501s or 551s. These should be set to TYPE 8 if three or more rooms are needed. Follow the TYPE procedure outlined in the *501/V* or *551 User Guide*.

The Main room may be a full Home Theatre system with the addition of a 565 Digital Surround Processor, or may be a simpler system with a 501, 501V or 551.

An All Digital System

Figure 4 shows a system with two pairs of Digital Active Loudspeakers connected to a 562. This system is very easy to install and provides exceptional sound quality. The master DSP5000s are connected with M5 leads to the 562. The digital audio for the main room is connected to the **Main** digital output and the second room to the **Tape** digital output. The slaves are connected as usual to their masters as shown in the *DSP5000 User Guide*. DSP6000s may be used instead of DSP5000s in all these systems.

Figure 4: DIGITAL TWO-ROOM SYSTEM

ANALOGUE PHONO LEAD

500 COMMS LEAD

DIGITAL PHONO LEAD

The 562 contains one analogue to digital converter, so only one analogue source may be listened to at any one time. Otherwise the functionality is the same as any other Two-Room system.

Distributing Video

If the control unit in the main room is a 501V or a 562V, AV installations may also have composite video routed to other rooms. Selecting a source in a secondary room will then select the picture as well as the sound. The composite **VCR outputs** of the main room control unit should be wired along with the comms and audio connections so that pictures from the VCR or Laser Disc in the main room may be viewed elsewhere in the house.

Connecting Recording Equipment

Customers with Two-Room systems and recording equipment such as cassette and VCR will need additional tape outputs not provided by the control unit in the main room. In this case, a Y-style phono-phono lead is needed which connects several wires to one pair of phono plugs.

Sources in Other Rooms

Sources may be installed in other rooms. For example, an additional CD player may be required for listening in the second room only of figure 1. It can be connected to the **CD** input of the 551 in that room. The 551 will have to be configured to know about this source. See 'Configuring the sources' in the *551 User Guide*.

If it is desirable that the CD in the second room can be listened to in the main room, a second pair of long phono-phono cables is required. These should connect the **Tape Output** of the second room to the **Tape 1** input of the control unit in the main room. This control unit must then also be configured to know about this source.

Extension Eyes

Any Meridian control unit may be placed out of sight. A 512 IR Sensor should be plugged into one of its **Comms** sockets. The 512 may then be placed discreetly in a good position for receiving commands from the handset.

System Requirements

All 500 series components are compatible with Meridian Two-Room *plus*. Minimum software requirements are shown in the table below. All units should have at least the version shown in whichever room they are. Software version is shown when the **Display** key is pressed in Standby.

	562/V	501/V	551	DSP6000	DSP5000	CDs	504
2 rooms	1.3	1.3	1.3	2.3	2.3	1.6	1.3
3 or more	1.3	1.4	1.4	2.3	2.3	1.6	1.3

Recommended cables

Long phono-phono

Low screen resistance twin screened, such as RS part no. 369-955. Use one cable per channel. Connect the screen and one core together to ground at both ends of the cable.

Composite Video

Low loss 75Ω coaxial cable such as RS 822-917.

Comms

100pF/m twin screened such as RS 367-527, with 5-pin 240° DIN plug at each end wired as in Figure 5.

M5 and S5 leads are available from Meridian.

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