

D600 SETUP MANUAL

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The information contained in this document is provided for the express purpose of installing an installation containing *Meridian* D600 TM Digital Active Loudspeakers.

Any other use is strictly forbidden.

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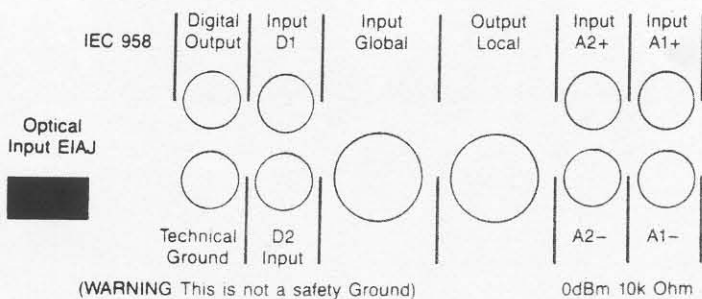
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MERIDIAN Digital Active Loudspeaker System D600

SIGNAL INPUT/OUTPUT CONNECTIONS



609	CD	Radio	LP	Tape 1	Left
	Standby		Video	Tape 2	Right
	Play	Pause	Next	Front	Bass
	Stop	Repeat	Previous	Surround	Q
	Display	1	2	3	Λ
	System	4	5	6	V
	Reset	7	8	9	0
					Mute

1 About this manual

This manual is intended for owners and users. It provides information required to install, setup and program a pair of D600s. If you find the material in this manual confusing you should feel free to refer to your dealer who will sort out the details for you.

1.1 How to use this manual

The first three sections of this manual describe general details about the D600s. Sections 4 to 6 describe the practical details of unpacking, locating and connecting a pair of D600s.

The programming or customising of D600 is described in a series of Appendices A through C.

1.2 Related documentation

Your D600s should be supplied with the following documentation:

- D600 User Manual. After the installation is working this and the Keycard are all you need.
- Keycard. A convenient card which describes the button functions of the 609 handset and the D600 display responses.
- D600 Setup Manual. This manual which describes in more detail how the D600 works, how to achieve an installation, how to program or customise functions.
- Getting going. A fast installation guide for a simple system. How to get music while you decide on the details.

NOTE This is not the only information available about the D600. Technical information is available to retailers in two other publications:

- *Meridian Multiroom Technical Reference Manual*
- *Meridian D600 Service Manual*

1.3 Conventions used in this manual

The following conventions are used in this manual. A **Bold** word refers to a user-specific part of the D600, 609 or another *Meridian* product; e.g.

- **D1** socket. This refers to the input socket on the back panel labelled D1 on the input bank. D1 stands for Digital input number 1.
- **Press CD**. This refers to a key on the 609 handset marked 'CD'.

Text between square brackets illustrates a display or cue in the front display window. e.g.

- [**d1. 27**] is the display for Digital input 1 and volume number 27.

Words appearing in the text in all upper-case italics usually refer to a status of the system; e.g. 'in *RADIO*', refers to the state after pressing **Radio** on the 609. 'In *STANDBY*' would mean after pressing **Standby**.

2 Introduction

Because the D600 is such a sophisticated product you should read through the main sections of this manual and the D600 User Manual before using the D600 for the first time, particularly if you intend to customise its functions.

We have supplied a 'Getting going' sheet for those of you who want to hear the D600s now and maybe spend a little longer deciding how best to set them up. For a simple system this may suffice.

D600s can be adjusted in a large number of ways, however we have provided six preset configurations which cover a large number of applications. To decide which configuration to choose read section 3, unpack and install the D600s using sections 4 and 5. Follow the questions and procedures of Appendix A.

If you have any queries regarding the use of this product remember that your *Meridian* dealer is selected for his expertise and you should refer to him in the first instance.

We have tried to make this unique product as simple to use as possible; it will bring you a new dimension of listening pleasure.

2.1 Description

You will find it simpler to understand the processes in the D600 if you consider it to be a combination of the following functions:

- Digital preamplifier to select and control up to three digital sources directly and to provide fixed and switched digital output for another device.
- Analogue preamplifier to select between two analogue inputs, balanced or unbalanced.
- Digital audio processor including decoding, error detection and correction, CRC and interpolation.
- Precision single-channel digital/analogue converter.
- Remote control for all functions including volume, balance, mute and various tone-control options.
- Controlling computer.
- 200-Series communicator.
- 3-way active loudspeaker including three 75W power amplifiers per speaker.

3 General background

The D600 contains some unique combinations of technology and you should bear the following in mind.

- D600 is a digital audio product and its use involves distributing digital audio signals. This is a new field and following the instructions could be important. Incorrect distribution of digital audio could lead to radio interference, noticeable errors or a lower than possible sound quality. Correct distribution will give you the best sound it is possible to have. You may be able to use the cables we supply.
- Each D600 is controlled by an internal computer. This interprets the commands from the 609 handset, communicates with other Meridian 200-Series components, operates the display and supervises the digital audio process.
- Unlike other home electronics the D600 is to a very large extent user-configurable. This means that you can program the D600 to interpret your commands in a convenient way. Whilst this power makes the D600 very simple to use on an everyday basis, the process of setting up may be confusing if you do not read and understand the instructions in Appendices A and B.
- The setting up or programming process is done using the 609 handset provided. See Appendices.
- It is not possible to damage the D600 by incorrect programming. If you get lost it is simple to go back to a factory preset condition.
- All programmable settings of the D600 are stored permanent memory. Information is retained indefinitely, even when the AC power is removed from the D600.

The D600, in common with other components of the Meridian Multiroom system use a technique called 'source mapping'. Source mapping draws distinctions between the following attributes of a source:

- Its name
- An associated display
- The key on the 609 handset that calls the source up
- The physical input of the D600 that receives the signal from this source
- Whether the source is controllable
- Where it is located
- An attribute, e.g. digital, 32kHz, optical etc.

3.1 Master and Slaves

There can be any number of D600s in one installation and they can be adjusted to give you full control.

In every room (infrared space) containing D600s one of them is chosen at *SETUP* to be in charge of the others and we refer to it as *Master*. It takes charge of coordinating the functions of the D600 installation and it communicates with the

rest of the 200-Series products if there are any. *Master* is also the one that 'watches' the 609 handset and so should be placed with the best view of the room.

A normal installation uses two, one as *Master* and the other as *Stereo Slave*.

In more complex installations e.g. *Dolby*™ or digitally processed surround sound systems there could be four or six D600s connected together. In this situation you set up the extra D600s as *Surround Slaves*. See Appendix C. When this is done correctly you have control of **Front-Rear** balance and of **Effect** balance from the 609.

3.2 Left and Right

Since the digital audio signal is a two-channel format the D600s need to know which is left and which is right. We refer to the left D600 as *Left*. We have not restricted you to having the *Master* on the *Left*, these two choices are independent since it affects the way the cables run in your installation.

3.3 Control

The D600s are operated either by commands received from the 609 infrared handset (supplied with the loudspeakers) or by commands received on the **Comms** cables of a 200-Series installation, e.g. from the front panel of a 207 or 201.

The 609 provides enough keys to allow you to drive a complete Meridian installation and this is the preferred method.

D600 is not *directly* operated by a 209 System handset, 209 can operate some of the D600 functions if you have a 207 or 201 in the same room as part of the installation.

Facing Page 1 is a diagram of the top of the 609 and its key legends.

3.4 Display

D600 is able to display information to help you operate it. See the diagram of the front glass window area facing Page 1. Display information can include:

- **System 1** (red) and **System 2** (yellow) lights.
- Blank display [.]
- **STANDBY** indication [.]
- **SETUP** indication
- Selected source type
- Selected input connection
- Volume number
- Muted condition
- Track and time information when the source is a digital one that includes these codes — e.g. CD.
- Error messages
- CD track selection if used with a Meridian 207.
- Frequency, Preset number and Preset selection when the installation includes a Meridian 204 FM tuner.

For a full list of displays see Appendix D.

NOTE Both speakers can be adjusted differently. E.G. a *Slave* could display source and volume while the *Master* could display track, time or frequency.

NOTE Only *Master* can display CD and tuner information.

3.5 Connectors

Facing Page 1 is a diagram of the back panel of the D600 showing the connection sockets. The following list describes their use.

- **A1+** The first analogue input. This can be connected to the output of any analogue source, e.g. tuner or the output of a preamplifier. You may use a *Meridian* preamplifier like 201 or 207.
- **A1-** An inverse phase connection for A1 to allow you to connect a semi-balanced or balanced input. It can also provide absolute phase reversal, useful in some analogue surround systems.
- **A2+** A second analogue input. See A1+ above.
- **A2-** A second analogue input. See A1- above.
- **D1** The first digital input using coaxial cable.
- **D2** The second digital input using coaxial cable.
- **Optical** The third digital input using a fibre-optic connector.
- **Dout** A digital output which is selected by the D600 to pass on to other D600s, this allows *Slaves* only to have one digital input connected.
- **Technical ground** A connection provided to the electronics. This is not a safety ground.
- **Global Input** A DIN connector which is used to exchange information with other *Meridian* 200-Series components. In one sense it can be thought of the communications input to this D600. This connector also has a second connection to D1 — see above.
NEVER connect an audio DIN lead to this socket.
- **Local Output** A DIN connector which is used to send information on to D600 *Slaves*. This connector has a second connection to **Dout**.
NEVER connect an audio DIN lead to this socket.

The lower panel contains the power supply and should already be adjusted for your local supply voltage — check the labelling. The panel contains a 3-pin IEC power inlet plug with a power switch.

4 Unpacking

Be sure to retain the packaging for possible future transportation.

WARNING Take great care when unpacking or re-packing the D600 that you do not put any pressure on the front area of the loudspeaker. The tweeter dome is very close to the grille cloth and will be damaged if pressed. Hold the cabinets only by the sides or top and bottom. When re-packing make sure that the packing material that protects the tweeter dome is placed against the grille.

NOTE Do not hold the display area if you are trying to move the loudspeaker.

NOTE Do not use the rear port-tube as a handle!

Unpack the speakers. In the two packs you should find:

- 2 D600 Digital active speakers complete with display panels and grilles
- 8 screw-in feet.
- 609 remote control handset
- Battery for 609
- D600 User Manual
- D600 Setup Manual
- Keycard 609 instructions
- Installation sheet
- 2 Power cords suitable for your territory
- Composite system cable M (phono + DIN + DIN to DIN, 8 metres)
- Composite system cable S (DIN to DIN, 6 metres)
- Hex wrench 3mm
- Fuse 20mm 1.6A slow-blow SEMKO/IEC (220—240V version)
- Fuse 20mm 3A slow-blow CSA/UL/J (100—120V version)

4.1 Fitting the feet

It is easiest to fit the feet to the speakers with them upside-down before removing the carton or foam packing. Each D600 requires four feet to be fitted as follows:

- Locate the screw-in feet and wrench provided.
- Assemble the feet according to the diagram on the installation sheet. Each foot requires a lock-nut to be fitted about 2mm away from its shoulder. Screw each foot into the threads on the bottom of each cabinet using **two** support washers against the cabinet for each foot. Do not fully tighten the foot at this stage.
- When all four feet are fitted, carefully place the D600 upright.
- Now place the D600s in their playing positions.

We recommend that you now make the system functional. When you are happy that the D600s are in the correct positions you should adjust and finally tighten the feet.

We strongly suggest that you try to use the spike feet to get the best sound.

- To use the spikes pull the plastic covers off the feet.

The spikes allow the D600s to rest firmly on the floor. The spikes pass through carpet to the wood or concrete below and do less damage than a wide foot.

The best sound will only be obtained if the D600s are firmly mounted and cannot rock at all. If the finish of the floor prevents the use of spikes leave the plastic covers on but adjust the feet to the floor so that the D600s are vertical and show no tendency to rock.

5 Installation

5.1 Siting

A pair of D600s must be placed in suitable positions to get the best acoustic result.

For stereo ideally the two speakers are placed equidistant from the main listening position, and the same distance apart.

D600 has good treble dispersion and it will usually be located for best appearances perpendicular to a back wall.

The D600 has Bass and Q controls to allow adjustment of the low frequency response to room acoustics and positioning, nevertheless you should try to achieve the following:

- If possible have the most acoustically absorbent wall behind the speakers. This could be an open bookcase, curtained window or each side of a bow-window.
- If possible have each D600 at least 50cm from a corner.
- If possible have each D600 at least 20cm from the back wall.
- After finding by trial and error the best position for the D600s where possible use the spiked feet under the black plastic protecting caps. This will give improved definition to the sound and better physical stability.
- If possible locate the listening position so that your head is at least 60cm from the wall behind you (unless it is acoustically absorbent).

Consider the following practical points:

- If possible locate the D600s so that the electronics (back) of the speaker are not subjected to long-term strong sunshine. In *STANDBY* the back plates should be cool (less than hand-hot).
- If possible locate the D600s so that the *Master* does not receive direct sunlight on the front display window. This can occur in higher latitudes during some part of the year and if it happens the D600 may not 'see' your commands from the 609. No harm will be done to the D600, it is simply inconvenient.

- Do not, if possible, locate the D600s with their backs to any heat source — e.g. central heating radiators.
- Try to arrange a separate AC power outlet for each D600. The use of adapter units is discouraged, at best they degrade the possible sound quality.

5.2 Connecting

See the diagram facing page 1 which shows the connectors on the back of the D600, and refer to section 3.5.

There are four types of connections to be made:

- Power AC connection to each D600 with the cable provided.
- Digital audio connection from the sources to the *Master*
- Digital audio connection between *Master* and *Slave*.
- Local Comms (communication) connection between *Master* and *Slave*.
- Global Comms connection between 200-Series components and *Master*.
- Left analogue connections from the sources direct to the *Left* D600.
- Right analogue connections from the sources direct to the *Right* D600.

5.3 Locating the Master

The *Master* has the most connections made to it and is the one that connects directly to any other 200-Series products, e.g. 207, 201 or Multiroom. In the final installation the *Master* should be located nearer to the sources since this will be tidiest. You should now be able to choose where *Master* will be and know whether it will be *Left* or *Right*.

5.4 Routing cables

Do not route the D600 cables any nearer to TV or Radio antenna cables than is necessary. Try to keep any excess cable lengths coiled up as far from a tuner or television receiver as possible.

Where possible use dedicated AC power outlets for each D600. In particular try not to use the same outlet group for any tuner or TV.

5.5 System types

You need to plan the connections for the installation you wish to achieve.

Appendices B1–B6 illustrate examples and your choice is guided in Appendix A. If your requirements can be met by one of the systems Type 1 to Type 6 then you will be able to use the fast *SETUP* procedure.

6 Getting started

As supplied from the factory the D600s are set up for a Type 1 system with one speaker being configured for *Left Master*. They will be marked on the back in an area of the label that you can write on later.

You may wish to get going with the D600s by making them work in this configuration giving you the opportunity to configure it later after you have better understood its operation.

If you can use Type 1 installation but need to reverse the channels follow the instructions in Appendix B8.

Read Appendix B1 now to see if you can use this configuration.

Every installation has some connections in common and the following sections deal with these.

6.1 AC connection

Before connecting to the AC supply check that the unit is adjusted to the correct voltage for your supply.

IMPORTANT: DO NOT MAKE CONNECTIONS OR INSERT OR REMOVE PLUGS WHILE THE UNIT IS CONNECTED TO THE AC SUPPLY AND SWITCHED ON.

Connect to AC power with the cord provided.

6.2 Digital and Comms connections

For many systems only the supplied composite cables will be required. To get a CD player working with the D600s do the following:

- Locate the cable marked with an 'S'. This is a DIN to DIN lead about 6m long.
- Connect one DIN plug to the **Global** socket on the *Slave* D600.
- Connect the other end to the **Local** socket of the *Master*.

This completes the interconnection of the D600 pair. Then:

- Locate the cable marked with an 'M'. This is a DIN + DIN + Phono to DIN lead about 8m long.
- Locate the end with the single DIN socket. Connect this DIN plug to the **Global** socket on the *Master*.
- At the other end of this cable locate the phono plug and connect it to the digital output of the CD player.
- If the CD player is a *Meridian* 207 then locate the DIN plug at the same end of the cable that will fit easily into the **200-Comms** socket on the 207. Connect that DIN plug to the 207.

NOTE the two DIN plugs at this end of the '**M**' cable are different and damage will result if you try to force the wrong plug into the 207.

NOTE If your installation includes a 204, do not use the **P-lead** supplied with the 207. The **M lead** takes over its function.

- Connect the second DIN plug on this end of the **M lead** to the socket marked **207** on the 204.

NOTE If your installation includes 201, 204 and 207 then:

- Connect the 207 and 204 as described above.
- Connect the Q-lead supplied with the 204 from the 201 to the socket marked **201** on the 204.

6.3 Analogue connections

Make whatever analogue connections you wish to the **A1+** input of the D600. In a Type 1 configuration:

- **A1** is selected by **Radio, LP and Tape 2**.

Connect the left signal to *Left* and the right signal to *Right*.

6.4 Using 207 as preamplifier

Make your analogue input connections to the 207 and connect the variable outputs of the 207 to the **A1+** inputs of the D600s.

6.5 Using 201/2 as preamplifier

Make your analogue input connections to the 201 and connect the main output of the 201 to the **A1+** inputs of the D600s.

If the preamplifier is a 202 then its **System 2** output should be connected to the **A2+** inputs of the D600s. You also need to connect the **System 2** comms to the *Master*. Consult your dealer for the best way to cable this system.

6.6 609 handset

The 609 remote control handset uses infrared transmission to operate the D600. It uses a PP3 battery (supplied but not installed).

When a key is pressed, an indicating light shows on the 609.

This light becomes inconsistent or weak when the battery needs changing.

Normally the battery will last up to a year but we recommend that you change the battery routinely every six months since there are no front-panel controls on the D600 and the system requires the 609.

To fit the battery, place the 609 face-down on a clean soft surface. Remove and retain the four screws which secure the bottom cover plate. Lift off the plate and carefully fit the battery to its connector. Place the battery in its lined compartment, replace the bottom cover plate and refit the screws.

To check the 609 press any key, look for the flashing yellow light.

NOTE Do not store the unit where it may get over-hot.

NOTE Do not store the unit face-down or rest objects (e.g. magazines) on top of the 609. This could cause one of the keys to be pressed and the battery life to be considerably shortened.

Appendix A

Selecting and configuring your system

Follow through all sections of this Appendix in order to find out which of the standard setups may be useful to you. Note the suggestions made in each section. To examine the setups look in the Appendix of the same B number, e.g., Type 4 is described in Appendix B4.

A.1 Multiroom

- Is your installation a *Meridian* Multiroom one?

Yes Go straight to Appendix B6 or B9.

No Proceed with section A.2.

A.2 CD type

- Is your primary CD player a *Meridian* 207?

Yes Use setups Type 1–3.

No Answer the following question:

- Do you want to use an optical output from the player?

Yes Use setup Type 5

No Use setup Type 4 (or 1–3 with restrictions).

A.3 Tuner type

- Is your primary tuner a *Meridian* 204?

Yes Use setups Type 1–3.

No Use any setup.

A.4 Other digital sources

- Do you have another *Meridian* 207?

Yes Refer to your dealer who will advise you on connecting the second 207 to System 2 of the D600.

No Do you have another CD player or digital tape recorder to connect to D600?

Yes Study setups 1, 3, 4 and 5.

No Continue to the next section.

A.5 Analogue sources

- Do you have only one analogue source to connect. e.g. Radio?

Yes Connect it direct to A1+ on *Left* and *Right*. Try any setup.

No Answer the following.

- Do you want to use any preamplifier?

No You can have two analogue sources using A1+ and A2+. Try setup 4 or full custom 7.

Yes Will your preamplifier be a 207, 201 or other?

207 Use setups 1

201 Use setups 2 or 3

Other Use any setup.

Appendix A

Selecting and configuring your system

Follow through all sections of this Appendix in order to find out which of the standard setups may be useful to you. Note the suggestions made in each section. To examine the setups look in the Appendix of the same B number, e.g., Type 4 is described in Appendix B4.

A.1 Multiroom

- Is your installation a *Meridian* Multiroom one?

Yes Go straight to Appendix B6 or B9.

No Proceed with section A.2.

A.2 CD type

- Is your primary CD player a *Meridian* 207?

Yes Use setups Type 1–3.

No Answer the following question:

- Do you want to use an optical output from the player?

Yes Use setup Type 5

No Use setup Type 4 (or 1–3 with restrictions).

A.3 Tuner type

- Is your primary tuner a *Meridian* 204?

Yes Use setups Type 1–3.

No Use any setup.

A.4 Other digital sources

- Do you have another *Meridian* 207?

Yes Refer to your dealer who will advise you on connecting the second 207 to System 2 of the D600.

No Do you have another CD player or digital tape recorder to connect to D600?

Yes Study setups 1, 3, 4 and 5.

No Continue to the next section.

A.5 Analogue sources

- Do you have only one analogue source to connect. e.g. Radio?

Yes Connect it direct to A1+ on *Left* and *Right*. Try any setup.

No Answer the following.

- Do you want to use any preamplifier?

No You can have two analogue sources using A1+ and A2+. Try setup 4 or full custom 7.

Yes Will your preamplifier be a 207, 201 or other?

207 Use setups 1

201 Use setups 2 or 3

Other Use any setup.

Appendix B1

Type 1 setup, 207 as preamp

This is the standard setup when the D600 is packed in the factory, one as *Left Master* and the other as *Right Slave*.

If the speakers are newly opened you need not perform this setup, go directly to section 6.

- Install the D600s in position.
- Decide which speaker is to be *Master*. (See section 3.1).
- Power this speaker alone while continually pressing the 1 key on the 609. The speaker will display [L.].

This display tells you that the speaker will be *Left*. To change it to *Right*:

- Press **Left**. The display will show [r.].
- Press **Left** again, it will change to *Left*. Choose which it is to be.
- Switch it off. You have now set the *Master*.

- Power up the other speaker alone while continually pressing the 1 key on the 609. The speaker will display [L.].

- Use the **Left** key to obtain the opposite setting to the first speaker.

The second part of the display is blank telling you it is still a *Master*.

- To make this speaker into a *Slave* press **Play**.

The display will show [L. S.] (or [r. S.]).

- Ensure that you have set the two speakers to opposite settings. For example if you set the first speaker to [r.] then the second must be [L. S.].
- Switch it off. You have now set the *Slave*.
- Mark both speakers on the back in the area provided in the label. Use a pencil so that you can change the marking in future.
- Make the connections described in sections 5 and 6.
- Deduce other analogue connections from your requirements and the table below.

Controls

The operation of this system is described in detail in section . Keys and sources are mapped and controlled as follows:

Key	D600 Input	Display	Source	Routing	Comments
CD	D1	[cd.##]	207 CD Other ¹ CD	direct direct	Can be controlled via 609 No control of CD but D600 will try.
Radio	A1	[rd.##]	204 Other Other Other	direct 207 Line ² preamp ³ direct 207 Line ² preamp ³	Can be controlled via 609 Allows other analogue inputs Allows any analogue input No control of tuner but D600 will try. Allows other analogue inputs Allows any analogue input
LP	A1	[LP.##]	Other Other	207 LP ² preamp ³	No control, must use 207 or preamp.
Tape 1	A1	[t1.##]	Other Tape Other	preamp ³ 207 Tape ² preamp ³	As Radio Plays a tape recorder via the 207 As Radio
Tape 2	D2	[dt.##]	DAT Other CD	direct direct	No control of source is attempted. Can be used for second CD player.
Video	Optical	[SA.##]	Satellite	direct	A third digital source.

1. 'Other' means non-*Meridian* and generally therefore not controllable by 609.

2. Using the 207 as an analogue preamplifier connect its variable outputs to D600 A1+ and the analogue sources to the inputs of the 207.

3. Preamp means non-*Meridian* analogue preamplifier. Sources are connected to its inputs according to its instruction manual. The preamplifier output is connected to the A1+ inputs of the *Left* and *Right* D600s. Input selection is manual by the normal process of driving that preamplifier. To hear the output of the preamp select it from 609 by pressing:

- **Radio, LP or Tape 2**

NOTE Direct means directly to the named input of the D600.

NOTE Connections made should be of the correct cable type, see Appendix E.

- Digital inputs 1 and 2 require digital cable from the source to the *Master* D600.
- Analogue inputs require analogue cable to the inputs of the D600 and, if used, to a preamplifier.

Appendix B2

Type 2 setup, 201 preamp, 207 and 204

- Install the D600s in position.
- Decide which speaker is to be *Master*. (See section 3.1).
- Power this speaker alone while continually pressing the 2 key on the 609. The speaker will display [L.].

This display tells you that the speaker will be *Left*. To change it to *Right*:

- Press **Left**. The display will show [r.].
- Press **Left** again, it will change to *Left*. Choose which it is to be.
- Switch it off. You have now set the *Master*.
- Power up the other speaker alone while continually pressing the 2 key on the 609. The speaker will display [L.].

- Use the **Left** key to obtain the opposite setting to the first speaker.

The second part of the display is blank telling you it is still a *Master*.

- To make this speaker into a *Slave* press **Play**.

The display will show [L. S.] (or [r. S.]).

- Ensure that you have set the two speakers to opposite settings. For example if you set the first speaker to [r.] then the second must be [L. S.].
- Switch it off. You have now set the *Slave*.
- Mark both speakers on the back in the area provided in the label. Use a pencil so that you can change the marking in future.
- Make the connections described in sections 5 and 6.
- Deduce other analogue connections from your requirements and the table below.

Controls

See Appendix B6 for two system operation. Keys and sources are mapped and controlled as follows:

Key	D600 Input	Display	Source	Routing	Comments
CD	D1	[cd.##]	207 CD Other ¹ CD	direct direct	Can be controlled via 609. No control of CD but D600 will try.
Radio	A1	[rd.##]	204 204	direct 201 Radio ²	Can be controlled via 609. Allows other analogue inputs via 201 and timer feature works on system.
			204 Other Other	preamp ³ direct 201 Radio ²	Allows any analogue input No control of tuner but D600 will try. Allows other analogue inputs
LP	A1	[LP.##]	Other Other	preamp ³ 201 Phono ²	Allows any analogue input No control, must use 201 or preamp.
Tape 1	A1	[t1.##]	Other Tape Tape	preamp ³ 201 Tape1 ² direct	As Radio No control of source is attempted. If no other analogue sources.
Tape 2	A1	[t2.##]	Tape Other	201 Tape2 ² preamp ³	Plays a tape recorder via the 201 As Radio
Video	A1	[t4.##]	VTR	201 Video ²	Any analogue line source.

1. 'Other' means non-*Meridian* and generally therefore not controllable by 609.

2. Using the 201 preamplifier connect its System 1 (main) outputs to D600 A1+ and the analogue sources to the inputs of the 201.

3. Preamp means non-*Meridian* analogue preamplifier. Sources are connected to its inputs according to its instruction manual. The preamplifier output is connected to the A1+ inputs of the *Left* and *Right* D600s. Input selection is manual by the normal process of driving that preamplifier. To hear the output of the preamp select it from 609 by pressing any of:

- **Radio, Video, LP, Tape 1 or Tape 2.**

NOTE Selecting CD on the 201 front panel selects CD in the D600s i.e. D1.

NOTE Selecting any other input on the front of the 201 causes the D600s to follow.

NOTE Direct means directly to the named input of the D600.

NOTE Connections made should be of the correct type, see Appendix E.

- Digital inputs 1 and 2 require digital cable from the source to the *Master* D600.
- Analogue inputs require analogue cable to the inputs of the D600 and, if used, to a preamplifier.

Appendix B3

Type 3 setup, 201 preamp, 207 and 204

- Install the D600s in position.
- Decide which speaker is to be *Master*. (See section 3.1).
- Power this speaker alone while continually pressing the 3 key on the 609. The speaker will display [L.].

This display tells you that the speaker will be *Left*. To change it to *Right*:

- Press **Left**. The display will show [r.].
- Press **Left** again, it will change to *Left*. Choose which it is to be.
- Switch it off. You have now set the *Master*.
- Power up the other speaker alone while continually pressing the 3 key on the 609.

The speaker will display [L.].

- Use the **Left** key to obtain the opposite setting to the first speaker.

The second part of the display is blank telling you it is still a *Master*.

- To make this speaker into a *Slave* press **Play**.

The display will show [L. S.] (or [r. S.]).

- Ensure that you have set the two speakers to opposite settings. For example if you set the first speaker to [r.] then the second must be [L. S.].
- Switch it off. You have now set the *Slave*.
- Mark both speakers on the back in the area provided in the label. Use a pencil so that you can change the marking in future.
- Make the connections described in sections 5 and 6.
- Deduce other analogue connections from your requirements and the table below.

Controls

Keys and sources are mapped and controlled as follows:

Key	D600 Input	Display	Source	Routing	Comments
CD	D1	[cd.##]	207 CD Other ¹ CD	direct direct	Can be controlled via 609. No control of CD but D600 will try.
Radio	A1	[rd.##]	204 204	direct 201 Radio ²	Can be controlled via 609. Allows other analogue inputs via 201 and timer feature works on system.
			204 Other Other	preamp ³ direct 201 Radio ²	Allows any analogue input No control of tuner but D600 will try. Allows other analogue inputs
LP	A1	[LP.##]	Other	preamp ³ 201 Phono ²	Allows any analogue input No control, must use 201 or preamp.
			Other	preamp ³	As Radio
Tape 1	A1	[t1.##]	Tape	201 Tape1 ²	Plays a tape recorder via the 201
			Other	preamp ³	As Radio
Tape 2	D2	[dt.##]	DAT	direct	No control of source is attempted.
			Other CD	direct	Can be used for second CD player.
Video	Optical	[SA.##]	Satellite	direct	An third digital source.

1. 'Other' means non-*Meridian* and generally therefore not controllable by 609.
2. Using the 201 preamplifier connect its System 1 (main) outputs to D600 A1+ and the analogue sources to the inputs of the 201.
3. Preamp means non-*Meridian* analogue preamplifier. Sources are connected to its inputs according to its instruction manual. The preamplifier output is connected to the A1+ inputs of the *Left* and *Right* D600s. Input selection is manual by the normal process of driving that preamplifier. To hear the output of the preamp select it from 609 by pressing:

Radio, LP or Tape 2

NOTE Selecting CD on the 201 front panel selects CD in the D600s i.e. D1.

NOTE Selecting any other input on the front of the 201 causes the D600s to follow.

NOTE Direct means directly to the named input of the D600.

NOTE Connections made should be of the correct type, see Appendix E.

- Digital inputs 1 and 2 require digital cable from the source to the *Master* D600.
- Analogue inputs require analogue cable to the inputs of the D600 and, if used, to a preamplifier.

Appendix B4

Type 4 setup, non-Meridian sources

- Install the D600s in position.
- Decide which speaker is to be *Master*. (See section 3.1).
- Power this speaker alone while continually pressing the 4 key on the 609. The speaker will display [L.].

This display tells you that the speaker will be *Left*. To change it to *Right*:

- Press **Left**. The display will show [r.].
- Press **Left** again, it will change to *Left*. Choose which it is to be.
- Switch it off. You have now set the *Master*.
- Power up the other speaker alone while continually pressing the 4 key on the 609. The speaker will display [L.].

- Use the **Left** key to obtain the opposite setting to the first speaker.

The second part of the display is blank telling you it is still a *Master*.

- To make this speaker into a *Slave* press **Play**.

The display will show [L. S.] (or [r. S.]).

- Ensure that you have set the two speakers to opposite settings. For example if you set the first speaker to [r.] then the second must be [L. S.].
- Switch it off. You have now set the *Slave*.
- Mark both speakers on the back in the area provided in the label. Use a pencil so that you can change the marking in future.
- Make the connections described in sections 5 and 6.
- Deduce other analogue connections from your requirements and the table below.

Controls

Keys and sources are mapped and controlled as follows:

Key	D600 Input	Display	Source	Routing	Comments
CD	D1	[Cd.##]	Other ¹ CD	direct	No control of CD player from 609.
Radio	A1	[tu.##]	Other	direct	No control of tuner from 609.
LP	A1	[LP.##]	Other	preamp ²	Allows any analogue input
Tape 1	A2	[t2.##]	Tape	direct	As Radio
			Other	preamp ²	Plays a tape directly to D600
Tape 2	D2	[dt.##]	DAT/CD	direct	Allows a second preamp
Video	Optical	[SA.##]	Satellite	direct	Second digital source
					A third digital source

1. 'Other' means non-Meridian and generally therefore not controllable by 609.

2. Preamp means non-Meridian analogue preamplifier. Sources are connected to its inputs according to its instruction manual. The preamplifier output is connected to the A1+ inputs of the *Left* and *Right* D600s. Input selection is manual by the normal process of driving that preamplifier. To hear the output of the preamp select it from 609 by pressing any of:

- **Radio** or **LP**

NOTE Direct means directly to the named input of the D600.

NOTE Connections made should be of the correct type, see Appendix E.

- Digital inputs 1 and 2 require digital cable from the source to the *Master* D600.
- Analogue inputs require analogue cable to the inputs of the D600 and, if used, to a preamplifier.

Appendix B5

Type 5 setup, optical primary CD

- Install the D600s in position.
- Decide which speaker is to be *Master*. (See section 3.1).
- Power this speaker alone while continually pressing the 5 key on the 609. The speaker will display [L.].

This display tells you that the speaker will be *Left*. To change it to *Right*:

- Press **Left**. The display will show [r.].
- Press **Left** again, it will change to *Left*. Choose which it is to be.
- Switch it off. You have now set the *Master*.
- Power up the other speaker alone while continually pressing the 5 key on the 609.

The speaker will display [L.].

- Use the **Left** key to obtain the opposite setting to the first speaker.

The second part of the display is blank telling you it is still a *Master*.

- To make this speaker into a *Slave* press **Play**. The display will show [L. S.] (or [r. S.]).

- Ensure that you have set the two speakers to opposite settings. For example if you set the first speaker to [r.] then the second must be [L. S.].
- Switch it off. You have now set the *Slave*.
- Mark both speakers on the back in the area provided in the label. Use a pencil so that you can change the marking in future.
- Make the connections described in sections 5 and 6.
- Deduce other analogue connections from your requirements and the table below.

Controls

Keys and sources are mapped and controlled as follows:

Key	D600 Input	Display	Source	Routing	Comments
CD	Optical	[Cd.##]	Other ¹ CD	direct	No control of CD player from 609.
Radio	A1	[tu.##]	Other	direct	No control of tuner from 609.
			Other	preamp ²	Allows any analogue input
LP	A1	[LP.##]	Other	preamp ²	As Radio
Tape 1	D1	[dt.##]	DAT/CD	direct	Second digital source
Tape 2	D2	[t2.##]	DAT/CD	direct	Third digital source
Video	A2	[t4.##]	Other	direct	A line input to D600
			Other	preamp ²	Allows any analogue input

1. 'Other' means non-*Meridian* and generally therefore not controllable by 609.

2. Preamp means non-*Meridian* analogue preamplifier. Sources are connected to its inputs according to its instruction manual. The preamplifier output is connected to the A1+ inputs of the *Left* and *Right* D600s. Input selection is manual by the normal process of driving that preamplifier. To hear the output of the preamp select it from 609 by pressing any of:

- **Radio, LP or Video.**

NOTE Direct means directly to the named input of the D600.

NOTE Connections made should be of the correct type, see Appendix E.

- Digital inputs 1 and 2 require digital cable from the source to the *Master* D600.
- Analogue inputs require analogue cable to the inputs of the D600 and, if used, to a preamplifier.

Appendix B6

Type 6 setup, 202 as 2-system preamp

- Set up the D600s as described in Appendix B2 except that you use key 6 instead of key 2.

The two systems of the D600 operate as shown in the tables below.

Controls for System 1

Keys and sources are mapped and controlled as follows:

Key	D600 Input	Display	Source	Routing	Comments
CD	D1	[cd.##]	207 CD Other ¹ CD	direct direct	Can be controlled via 609. No control of CD but D600 will try.
Radio	A1	[rd.##]	204 204	direct 201 Radio ²	Can be controlled via 609. Allows other analogue inputs via 201 and timer feature works on system.
			204 Other	preamp ³ direct	Allows any analogue input No control of tuner but D600 will try.
			Other	201 Radio ²	Allows other analogue inputs
LP	A1	[LP.##]	Other	preamp ³	Allows any analogue input
			Other	201 Phono ²	No control, must use 201 or preamp.
Tape 1	A1	[t1.##]	Other	preamp ³	As Radio
			Tape	201 Tape1 ²	No control of source is attempted.
			Tape	direct	If no other analogue sources.
Tape 2	A1	[t2.##]	Tape	201 Tape2 ²	Plays a tape recorder via the 201
			Other	preamp ³	As Radio
Video	A1	[t4.##]	VTR	201 Video ²	Any analogue line source.

Controls for System 2

Keys and sources are mapped and controlled as follows:

Key	D600 Input	Display	Source	Routing	Comments
CD	D1	[cd.##]	207 CD Other ¹ CD	direct direct	Can be controlled via 609. No control of CD but D600 will try.
Radio	A2	[rd.##]	204 204	direct 201 Radio ²	Can be controlled via 609. Allows other analogue inputs via 201 and timer feature works on system.
			204 Other	preamp ³ direct	Allows any analogue input No control of tuner but D600 will try.
			Other	201 Radio ²	Allows other analogue inputs
LP	A2	[LP.##]	Other	preamp ³	Allows any analogue input
			Other	201 Phono ²	No control, must use 201 or preamp.
Tape 1	A2	[t1.##]	Other	preamp ³	As Radio
			Tape	201 Tape1 ²	No control of source is attempted.
			Tape	direct	If no other analogue sources.
Tape 2	A2	[t2.##]	Tape	201 Tape2 ²	Plays a tape recorder via the 201
			Other	preamp ³	As Radio
Video	A2	[t4.##]	VTR	201 Video ²	Any analogue line source.

1. 'Other' means non-Meridian and generally therefore not controllable by 609.

2. Using the 201/2 preamplifier connect its System 1 (main) outputs to D600 A1+ and the analogue sources to the inputs of the 201/2. Connect its System 2 outputs to D600 A2+.

3. Preamp means non-Meridian analogue preamplifier. Sources are connected to its inputs according to its instruction manual. The preamplifier output is connected to the A1+ inputs of the Left and Right D600s. Input selection is manual by the normal process of driving that preamplifier. To hear the output of the preamp select it from 609 by pressing any of:

- Radio, Video, LP, Tape 1 or Tape 2.

NOTE Selecting CD on the 201/2 front panel selects CD in the D600s i.e. D1.

NOTE Selecting any other input on the front of the 201 causes the D600s to follow.

Appendix B7

Test setup

Test mode is not recommended for everyday use, however as the name suggests it is very useful for testing the installation and the speakers.

The main advantages of test mode are that you can directly display which physical input of the D600 has been selected and that entering and leaving this mode does not overwrite information stored in the EEPROM so you are able to test the speaker without losing a previous set-up.

This configuration has no left/right standard.

- Install the D600s in position.
- Decide which speaker is to be *Master*. (See section 3.1).

- Power this speaker alone while continually pressing the **Next** key on the 609. The speaker will display [A1. 32].

- Switch it off. You have now set the *Test Master*.
- Power up the other speaker alone while continually pressing the **Prev** key on the 609.

The speaker will display [A1. 32].

- Switch it off. You have now set the *Test Slave*.
- Make the connections described in sections 5 and 6.
- Deduce other analogue connections from your requirements and the table below.

Controls

Keys and sources are mapped and controlled as follows:

Key	D600 Input	Display	Source	Routing	Comments
CD	D1	[d1.##]	CD	direct	No control of any sources
Radio	D2	[d2.##]	CD/DAT	direct	
LP	A1	[A1.##]	Other	direct	A1 input selected
Tape 1	A2	[A2.##]	Other	direct	A2 input selected
Tape 2	D1	[L1.##]	DAT/sat	direct	Digital input for 30–40kHz
Video	Optical	[OP.##]	CD/DAT	direct	Optical input for 40–52kHz
Left	D2	[L2.##]	DAT/sat	direct	Digital input for 30–40kHz
Right	Optical	[LO.##]	DAT/sat	direct	Optical input for 30–40kHz

Additional test keys:

System toggles the installation left/right. One speaker will show a red light indicating that it is the right digital channel, the other, left shows a yellow light.

NOTE Direct means directly to the named input of the D600.

NOTE Connections made should be of the correct type, see Appendix E.

- Digital inputs 1 and 2 require digital cable from the source to the *Master* D600.
- Analogue inputs require analogue cable to the inputs of the D600 and, if used, to a preamplifier.

Appendix B8

Edit setup

Edit setup allows you to re-enter the setup procedure without overwriting information you may have stored already. When you enter any of the setups 1–5 the EEPROM is completely erased and rewritten to the defined number setup.

B8.1 Editing the setup of a Master

If you are in doubt at any time read the relevant section of Appendix B9. Setting up the *Master* involves more steps than setting up the *Slave*.

- Switch off all speakers.
- Power this speaker alone while continually pressing the 0 key on the 609. The speaker will display [L.] or [r.].

To change between *Left* and *Right*:

- Press **Left**.

If you want to change this to a *Slave*:

- Press **Play**.

The display will show [L. S] (or [r. S]).

- Use **Play** to reset it to *Master*.

This display we call the *ROOT MENU* and at any time in the setup process you can return to the *ROOT MENU* by pressing **Reset**.

Will *Slaves* receive individual **Optical** inputs or will this signal only apply to the *Master*? (i.e. digital signal relayed by cable from *Master* to *Slaves*).

To select a separate **Optical** input on *Slaves* press:

- **Stop**. The Display will be [L.OP.] or [r.OP.]

To clear this setting press **Stop** again.

- Choose which it is to be.

Proceed with any other editing you wish to make after reading Appendix B9.

- Switch off, you have now set the *Master*.

B8.2 Editing setup of slaves

- Power up the speaker alone while continually pressing the 0 key on the 609.

The speaker will display [L. S.].

- Use the **Left** key to obtain the opposite setting to the *Master* speaker.

If you want to change this to a *Master*:

- Press **Play**.

The display will show [L.] (or [r.]).

- Use **Play** to reset it to *Slave*.

- Ensure that you have set the two speakers to opposite settings. For example if you set the first speaker to [r.] then the second must be [L. S.].

You have the option of selecting a blank display on *Slave* speakers. In this case the *Slaves* will show:

- [.] in *STANDBY*
- [.] in *PLAY*

To select this option use **Q**, the display will be of the form:

- [?b. S.] The 'b' in the second position selects a blanked display in normal operation. (Obviously not now).

To deselect this press **Q** again.

- Switch it off. You have now set the *Slave*.

Appendix B9

Full custom setup procedure

The previous Appendices have shown standard configurations that are available in the fixed memory of each D600. In some instances it will be better to set the system up exactly to a requirement.

Before setting out on this process we advise you to plan exactly what it is you want the system to do. Draw the system out completely showing sources and the routing of digital, analogue and comms connections. The choices are described in the following sections.

We have supplied a form, two copies of which are bound in the back of this handbook, on which you can record settings you make in this Appendix.

Write down on the table provided your choice as each question arises.

B9.1 Left and right

Decide if the *Master* is to be *Left* or *Right*. See section 3.2.

B9.2 Multichannel

If you are setting up a surround system then the main pair are configured exactly according to this section. To set up the surround speakers refer to Appendix C.

B9.3 Systems

If you are adding to a *Meridian* Multiroom installation then you must take account of the *logical* communication control to the sources.

The Multiroom system allows D600 to communicate to both the **System 1** and **System 2** sections of a 201.

In any system, controllable sources e.g. 207 or 204 can be attached for *control purposes* to either **System 1** or **System 2**, this allows you for example to control two products of the same type independently from the D600. NB the sources could be in the same room as the D600.

- D600 controls **System 1** sources when it is set to System 1 (red light)
- D600 controls **System 2** sources when it is set to System 2 (yellow light)
- If you are not using a two-system 201 or if you do not have two sources of the same type then during the setup assign all sources to **System 1** and make **System 2** non-existent.

In a D600 installation you can also define a so-called **Local system**. This local system differs from that possible with the 222 Multiroom product in that **System local** does not provide control of sources. **System local** is a way of telling the D600 that source keys on the 609 will directly select D600 inputs without changing settings on a *Meridian* Multiroom installation. It is quite possible to use **System 1** to direct 609 source keys to a 201 and to switch to **System local** to select other direct inputs *with the same keys*.

NOTE Type 6 is the only standard system that uses **System 2**. **System local** is not set up in any default types.

B9.4 Sources

Write a list of all the input sources you have. For each source you have to decide the following:

B9.4.1 Type

- Digital or analogue?

B9.4.2 Routing digital sources

For each digital source answer the following:

- Which D600 digital input on the *Master* will you use for it, **D1**, **D2** or **Optical**?

NOTE If a digital preamplifier is used then all digital sources can be routed through one input of the D600 in just the same way as using an analogue preamplifier. See appendices B1–B5 for examples.

- Is it 32kHz sampling?

NOTE Any of the three digital inputs **D1**, **D2** or **Optical** can be set for 32kHz operation. The alternative position is automatic tracking from 40kHz to 52kHz.

- Will each D600 receive a separate optical feed or will you use the switched cable output of the *Master* to feed *Slave* D600s?

NOTE The switched digital output of the D600 *Master* is normally used to convey the chosen digital signal to the rest of the D600s. Connect the digital signal from *Master Dout* to **D1** on the *Slave*.

B9.4.3 Routing analogue sources

D600 has two analogue inputs which are usable balanced or unbalanced. If you have only two analogue sources you may wish to connect them *direct*; otherwise they will be routed through some kind of preamplifier in which case all analogue inputs will end up coming from the preamplifier output to the same physical input of the D600.

For each analogue source answer the following questions:

- Which input of the D600 receives the signal, e.g. **A1+**.
- Is the source a 204 or 207? i.e. controllable by the D600.
- Which key on the 609 do you want to apply to this source?
- Which of the available source displays do you want to see on the D600? For a list see Appendix D.
- Is this source switched by a 201 or 207 preamplifier?

B9.4.4 Unused input options

To make the system tidy, unused input keys can be set to *non-existent*.

B9.5 Setting up procedure

Having filled in the table of information, study Appendices B1 to B5 to find the standard setting that is closest to your requirements, this will be your starting position, remember its **Number** (1–5).

- Proceed to the next section.

B9.6 Setting up the Master

Setting up the *Master* involves more steps than setting up the *Slave*. Follow all the steps of this section through in order. If at any point you are unsure just stop and read this Appendix again. If you are still stuck reset the D600s to a standard setting and consult your dealer. No harm can be done to the installation by making mistakes in the setup process.

- Install the D600s in position.
- Decide which speaker is to be *Master*. (See section 3.1).
- Remember which system type you are starting from, this is the **Number** key.
- Power this speaker alone while continually pressing the **Number** key on the 609. The speaker will display [L.].

This display tells you that the speaker will be *Left*. To change it to *Right*:

- Press **Left**. The display will show [r.].
- Press **Left** again, it will change to *Left*. Choose which it is to be.

This display we call the *ROOT MENU* and at any time in the setup process you can return to the *ROOT MENU* by pressing **Reset**.

Will *Slaves* receive individual **Optical** inputs or will this signal only apply to the *Master*? (i.e. digital signal relayed by cable from *Master* to *Slaves*).

To select a separate **Optical** input on *Slaves* press:

- **Stop**. The Display will be [L.OP.] or [r.OP.]

To clear this setting press **Stop** again.

- Choose which it is to be.

B9.7 System setup process

The system light in the window should be red indicating **System 1**. The D600 setup is remembered for:

- **System 1** when the red light is lit
- **System 2** when the yellow light is lit
- **System local** when both are lit

To change between systems press **System**. Note how as you press it the D600 moves on to the next system.

- Return to **System 1**.

You need only set up **System 2** if either:

- You are connected to a Multiroom installation incorporating a 201/2

- You have more than one *controllable* source of the same type. e.g. two 207s.

You need only set up **System local** if either:

- You are connecting to a Multiroom installation incorporating a 201/2 and you wish to have a local source that is not connected to the Multiroom system.
- You need more than the six sources catered for on the 609.
- Proceed through the setup process once for each system you wish to make available.

B9.8 System Menu

- Press **Standby** when you have the *ROOT MENU* to get into the *SYSTEM MENU*.

The speaker will display something like [7. S.].

There are three parts to the *SYSTEM MENU* as follows.

B9.8.1 Preamplifier

The first digit in the *SYSTEM MENU* indicates the presence of the dominant preamplifier in the system. For now this classification applies only to analogue sources since there is not a controllable digital preamplifier available.

NOTE the preamplifier you select could be different for each of **System 1**, **System 2** or **System local**.

The options offered are:

- [n ??] n in the first digit has the meaning 'system is non-existent'. The system that does not exist is the one whose light is on in the window. See the previous section. If you only have one system active e.g. **System 1** or **System 2** then you cannot make it non-existent, however in these circumstances you should set the unused systems to [n ??]. See later.
- [6 ??]. The 6 in the first digit tells you that for this system (**System 1**, **2** or **local**) the D600 is the only controllable preamplifier connected. For **System local** only options 'n' and '6' are available.
- [1 ??] The 1 means that the preamplifier for this system will be a *Meridian* 201 and that source keys on the 609 will automatically switch the 201 to that input setting irrespective of other selections.
- [7 ??] The 7 means that the preamplifier for this system will be a *Meridian* 207. The first four input keys **CD**, **Radio**, **LP** and **Tape1** on the 609 will automatically switch the 207 to that input setting irrespective of other selections. Input keys **Tape2** and **Video** will not change the 207.

To move through these options press **Volume up**.

- Set the first digit to the required setting and proceed to the next step.

B9.8.2 Start system

You can define the start system for the D600. The start system is the one selected when you bring the D600 out of *STANDBY*. If the D600 is part of a Multiroom installation it can be helpful for it to default to one of the systems (1,2 L).

- If the system light in the window is the one you want to be the start system, press **Play**.

The display will change to [? S.] Here 'S' in the last position says this is the start system. You can only remove the 'S' by positively assigning another system to start, i.e. with a different system light lit in the window press **Play**.

B9.8.3 System protocols

Multiroom systems have a protocol system which allows you to define the extent to which any room can interfere with the main system.

For active **Systems 1** or **2** you can select the protocol flag in the third digit of the display:

- Press **Stop** to rotate between these settings and displays.
- [? ?] Blank in third position means system 'open'. If you are in any doubt use this setting.
- [? n?] n in the third digit means no control of sources on this system i.e. listening only.
- [? U?] U in the third digit means no control of sources that are *in use* elsewhere on this System.

B9.9 Review

The menu system is dynamic in the sense that you can move around between menus, go back to check or change your mind etc.

- At any time to return to the *ROOT MENU* press **Reset**.
- At any time to proceed to the *SYSTEM MENU* press **Standby**.

B9.10 Source Menus

The 609 has six source keys **CD**, **Radio**, **LP**, **Tape1**, **Tape2** and **Video**.

You can set up a different source and routing for each of these keys for *each* of **Systems 1, 2** and **local**, i.e. if you wanted to you could select between fifteen sources using 609 and the D600!

There are three source menus for each input key on the 609, to get into the first from the *SYSTEM MENU* press the source key you want to define.

- For example press **CD**. The display will show *SOURCE MENU 1* looking like [cd.cd.]

NOTE if you have selected a 207 as the preamplifier in the *SYSTEM MENU* then the following differences apply because the 207 does not have six inputs:

- **Radio** will display [Li.rd.]
- **Tape 1** (Multiroom Tape 3, see 209) will display [t3.t1.] but the **Tape** input on the 207 will be selected. (Tape 3 is the system definition of the 207 **Tape** input.)

- **Video** and **Tape 2** do not operate the 207.

B9.10.1 Source Menu 1 explanation

Source menu 1 maps keys on the 609 to the displays on the D600 that will result when the 609 key is pressed in normal use. Think of it as defining the keypad to your needs.

The purpose of this section is not only cosmetic, certain displays have specific meanings. Refer to Appendix D and the notes in this section.

The *SOURCE MENU 1* display is of the form [cd.cd.] where the first two characters describe the 609 key.

- Experiment with this now by pressing **LP**. The display will change to [LP.LP.]
- Go back to **CD** [cd.cd.]

With this menu you can tell the D600 what the source actually is that you want to listen to and display, you do this by changing the second part of the display with the **Next** and **Previous** keys. For each 609 key you can have the following choices:

- [??cd.] Means that the source selected will be a *Meridian* 207 CD player. D600 will try to control the CD player in normal use on functions like **Play**, **Stop** or track selection. (See section). If you use any non-*Meridian* CD player it will work but the D600 will try to pass commands to it. This display also tells the D600 to look for and check subcode in a digital input, and that a digital input will be 40–52kHz.
- [??Cd.] Means that the source is a CD player that is non-*Meridian* and therefore the D600 cannot control the functions of that CD player. It still looks for subcode in the digital input.
- [??rd.] Means that the source is a *Meridian* 204 tuner. The D600 expects to be able to pass commands to this tuner, see , and so enables those keys on the 609.
- [??tu.] Means that the source is not a *Meridian* 204, but it is a tuner.
- [??LP.] Means that the source is a turntable.
- [??dt.] Means that the source is a digital tape recorder.
- [??SA.] Means that the source is a digital satellite audio source.
- [??t1.] The Tape 1 display, no special meaning.
- [??t2.] The Tape 2 display, no special meaning.
- [??t4.] The Tape 4 display, no special meaning, normally associated with the **Video** key.
- [?? n] This final option selects the ?? key to be non-existent. By using this option you can prevent the selection of unused inputs to the installation.

NOTE The choice of display/input type is completely independent from the 609 key to which it is assigned. If it suits your purpose you can make several sources non-existent [?? n], or several of the same type e.g. [cd.dt.] and [rd.dt.].

NOTE Different 609 keys can be programmed to select the same source but with different displays and meanings. Thus [t1.dt] means that the key marked **Tape1** on the 609 will select a DAT player. [t2.SA.] could be used to assign the same DAT player to the **Tape2** key when the tape is recorded at 32kHz.

B9.10.2 Source Menu 1

- Proceed to set up *SOURCE MENU 1* for the first key e.g. **CD**.
- Then proceed through *SOURCE MENU 2* and if necessary *SOURCE MENU 3* for the same 609 key.
- Repeat these operations for all six 609 source keys.

For example:

- Press **CD** and see [cd.cd.]
- Using **Next** or **Prev** adjust the second legend to one of the ones listed in B9.10.1. e.g. [cd.Cd.]
- Proceed to *SOURCE MENU 2*.

B9.10.3 Source Menu 2

- Press **Left** to move to *SOURCE MENU 2*

(If you need to return to the first menu use **Right**)

The display will be like [cd.d1]. The first part of the display is the same and reminds you which key of the 609 you are setting up.

The second part of the display tells you which input on the back panel of the D600 will be selected when this key is pressed. The choices are:

- [??.d1] Input D1 selected, source is digital.
- [??.d2] Input D2 selected, source is digital.
- [??.OP] Input Optical selected, source is digital.
- [??.A1] Input A1 selected, source is analogue.
- [??.A2] Input A2 selected, source is analogue.
- [??.L1] Input D1 selected, 32kHz nominal.
- [??.L2] Input D2 selected, 32kHz nominal.
- [??.LO] Input Optical selected, 32kHz nominal.

Move between these options with **Next** and **Prev**.

- Chose the appropriate input.

If the source you are setting up is a *Meridian* 204 or 207 you must proceed to the next section, *SOURCE MENU 3*. Otherwise:

- Return to *SOURCE MENU 1* for the next source key and set it up.

For example to return to *SOURCE MENU 1*:

- Press **Radio** and see a *SOURCE MENU 1* like [rd.rd.].

B9.10.4 Source Menu 3

- Press **Left** to move to *SOURCE MENU 3* for 204 or 207 only. You will only get this menu if you selected [??cd.] or [??rd.] in *SOURCE MENU 1*.

(If you need to return to the second menu use **Right**)

The display will be like [cd. 1]. The first part of the display is the same and reminds you which key of the 609 you are setting up.

The second part of the display tells the D600 where the 204 or 207 is from the point of view of communications. The choices are **System 1** and **System 2**.

To change the setting use **Next** or **Prev** to move between:

- [cd. 1] and
- [cd. 2]

NOTE If you are in doubt set this parameter to 1.

NOTE If the installation is not **Multiroom** or does not employ **System 2** do not select option 2.

B9.11 Completing Master setup

You have completed the *Master* setup when you have dealt with the following list:

- *ROOT MENU* left/right and optical

All the following for each system used, **Systems 1, 2 and local**:

- *SYSTEM MENU*
- All 609 source keys using *SOURCE MENUS 1-3*.

NOTE If you have made a **System** non-existent you do not have to go through its source menus.

If necessary review these settings. When you are satisfied press **Reset** to return to the *ROOT MENU*.

- Switch it off. You have now set the *Master*.
- Make sure you have a note of the settings.

B9.12 Setting up slaves

- Power up the other speaker alone while continually pressing the 1 key on the 609.

The speaker will display [L.].

- Use the **Left** key to obtain the opposite setting to the *Master* speaker.

The second part of the display is blank telling you it is still a *Master*.

- To make this speaker into a *Slave* press **Play**.

The display will show [L. S.] (or [r. S.]).

- Ensure that you have set the two speakers to opposite settings. For example if you set the first speaker to [r.] then the second must be [L. S.].

You have the option of selecting a blank display on *Slave* speakers. In this case the *Slaves* will show:

- [.] in *STANDBY*
- [.] in *PLAY*

To select this option use **Bass**, the display will be of the form:

- [**? S.b.**] The 'b' in the last position selects a blanked display in normal operation. (Obviously not now).

To deselect this press **Bass** again.

- Switch it off. You have now set the *Slave*.

B9.13 Finishing off

- Mark both speakers on the back in the area provided in the label. Use a pencil so that you can change the marking in future.
- Make the basic connections described in sections 5 and 6.
- Make other connections to your requirements.

NOTE Connections made should be of the correct type, see Appendix E.

- Digital inputs 1 and 2 require digital cable from the source to the *Master* D600.
- Analogue inputs require analogue cable to the inputs of the D600 and, if used, to a preamplifier.

Appendix C

Multichannel systems

There are many possible arrangements for Multichannel systems, the two most likely are:

- Four D600 system
- Six D600 system

It has been envisaged that the four or six speaker layouts can be used in analogue and digital.

For a four speaker system set up the D600s as follows:

- The front pair comprise *Master* and *Slave* as normal, and these are setup as described in Appendices 1–7.
- The second pair as *Left Rear Slave* and *Right Rear Slave*

For a six speaker system set the D600s as follows:

- The front pair comprise *Master* and *Slave* as normal, and these are setup as described in Appendices 1–7.
- The second pair as *Left Rear Slave* and *Right Rear Slave*
- The third pair as *Left Front Slave* and *Right Front Slave*

NOTE in surround systems there is only one *Master* and that is one of the main stereo pair.

C1 Setting up surround slaves

- Power up each slave speaker alone while continually pressing the 1 key on the 609.

The speaker will display [L.].

- Use the **Left** key to select [L.] or [r.].

The second part of the display is blank telling you it is still a *Master*.

- To make this speaker into a *Slave* press **Play**.

The display will show [L. S.] (or [r. S.]).

When you have the slave display you can now change the type of slave to be:

- [?. FS.] Front slave
- [?. rS.] Rear slave
- [?. S.] Normal stereo slave
- Move between these with **Pause**.
- Choose which it is to be.

You have the option of selecting a blank display on *Slave* speakers. In this case the *Slaves* will show:

- [.] in *STANDBY*
- [.] in *PLAY*

To select this option use **Bass**, the display will be of the form:

- [? ?S.b.] The 'b' in the last position selects a blanked display in normal operation. (Obviously not now).

To deselect this press **Bass** again.

- Switch it off. You have now set the *Slave*.

Set up the *Slave* speakers in pairs.

C2 Connecting up the system

To simplify and tidy the wiring of a system like this you could usefully use *Meridian* 225 or 224 junction boxes.

C2.1 Connect digital audio to slaves

- Identify the three or five digital outputs of the digital surround processor that will feed the *Slaves*. i.e. for now ignore the feed that should go to the *Master* (Main left or right).
- Connect these outputs directly to the D1 inputs of the *Slaves*.

NOTE If you are using optical links connect these outputs to the **Optical** input of each *Slave*.

NOTE If you are using optical links then the [?.OP.] option must be selected in the *Master*. See Appendix B9 or Appendix B8.

In use the *Master* will instruct the *Slaves* to select D1 or **Optical** whenever the source is digital.

NOTE If the surround processor has only two-channel outputs, it may therefore only have two outputs for a four speaker or three outputs for a six speaker system. If this is the case:

- Feed the main *Slave* D1 input from the **Dout** socket of the *Master*. (The processor can then use the **Dout** of the main *Slave* if necessary).
- Feed the front effect signal to one of the *Front Slave* speakers D1 input. Connect the **Dout** socket of this speaker to the D1 input of its partner.
- Feed the rear effect signal to one of the *Rear Slave* speakers D1 input. Connect the **Dout** socket of this speaker to the D1 input of its partner.

C2.2 Connect digital audio to Master

There are two main options.

- 1 The surround processor switches all digital sources:
 - Connect sources to the processor
 - Connect the relevant output of the digital processor to D1 or **Optical** on the *Master*.
- 2 D600 is to be in charge of digital source switching i.e. the 609 could select between DAT, CD etc. In this circumstance it is assumed that the main channels are not processed, this is common. See handbook of your surround processor.
 - Connect the sources to D1, D2 and **Optical** on the *Master*
 - Connect *Master* **Dout** to the main input of the processor.

In this system D600 will select the digital source and feed it to the processor.

C2.3 Connecting Comms

There are two options:

- Carry **Comms** between *Slaves* in a 'daisy-chain' arrangement. To do this you need to obtain cables type **K** which can be purchased from your dealer. Follow the instructions that come with them. Such cables can be laid in any order.
- Use *Meridian* Multiroom cabling and accessories to connect the *Master* to all *Slaves*. Refer to your dealer for advice.

C2.4 Connecting analogue audio

If you have an analogue surround processor then connect its outputs directly to either **A1+** or **A2+** inputs of all the speakers. The input you chose can be arranged at *SETUP* so that preamplifier output can be fed to the speakers either direct to one input of the D600 or via the processor through another.

If you do not have a surround processor for analogue sources, you can set up a *Hafler* type system as follows:

- Connect the main stereo pair to the left and right outputs (**L** and **R**) of the analogue preamplifier. Assume for this example that we are using **A1**, **A2** would be identical.
- Connect the *Right Rear Slave* as **R** to **A1+** and **L** to **A1-**. It will now play the signal 'right minus left'.
- Connect the *Left Rear Slave* as **L** to **A1+** and **R** to **A1-**. It will now play the signal 'left minus right'.

If there are front effect speakers:

- Connect the *Right Front Slave* as **R** to **A1+** and **L** to **A1-**. It will now play the signal 'right minus left'.
- Connect the *Left Front Slave* as **L** to **A1+** and **R** to **A1-**. It will now play the signal 'left minus right'.

C3 Using the surround system

When you have a surround system more functions on the 609 become useful.

NOTE it will almost certainly be beneficial to use the following balance controls on the D600s rather than the surround processor since:

- The D600 processes volume or balance in the analogue domain which loses less detail
- The electronic volume and balance facilities of the D600 are of the very highest quality available.

C3.1 Balance

The left/right balance control now adjusts all speakers in the installation. If you have not blanked the displays of *Slaves* you will be able to check that the volume numbers change in the expected way in front or rear pairs.

C3.2 Front/Rear balance

Allows you to adjust the relative level of the front and rear pairs if they exist. This balance control is accessed by:

- Pressing **Front**. The *Master* will display [**F. #**]. The number **#** can be set between [**F. 10**] and [**F.-10**] using the **Volume** keys.

C3.3 Effect balance

Using the effect balance you can adjust the relative level of surround speakers (i.e. *Front and Rear Slaves*) compared with the main pair. This can have the effect of moving you about in the auditorium. To adjust Effect balance:

- Press **Effect**. The *Master* will display [**E. #**]. The number **#** can be set between [**E. 10**] and [**E.-50**] using the **Volume** keys.

The startup default setting for effect is [**E.-10**].

Appendix D

D600 display options

D1 Source displays

Source type selection is displayed along with the volume number ## in the following displays:

- [cd.##] 207 source
- [rd.##] 204 source
- [LP.##] turntable source
- [t1.##] tape 1 source
- [t2.##] tape 2 source
- [t3.##] tape 3 source
- [t4.##] video/tape4 source
- [tu.##] non-Meridian tuner
- [SA.##] satellite or other 32kHz digital
- [dt.##] DAT
- [Cd.##] non-Meridian CD source
- [nA.] not available (momentary).

These are the 'normal' displays of the D600.

Change is automatic on switching sources.

D2 Input displays

In test mode we have D600 inputs displayed with volume number ##:

- [d1.##] D1 input selected
- [d2.##] D2 input selected
- [A1.##] A1 input selected
- [A2.##] A2 input selected
- [OP.##] Optical input selected
- [L1.##] D1 input selected 32kHz
- [L2.##] D2 input selected 32kHz
- [LO.##] Optical input selected 32kHz

Change is automatic on switching sources.

D3 CD displays

Using **Display** the Master can show:

- [#] track # display
- [##] track ## display
- [#.#] track # index # display
- [##.##] track ## index ## display
- [End] display of end of CD.

OR:

- [##.##] disc-time display (counting)

OR:

- [#.##] track-time display (counting)

If the CD player is a 207:

- [dir.] 207 is loading the disc.
- [----] No disc loaded in the player
- [--##] A disc with ## tracks is loaded, but it is stopped.
- [-.-] A disc stopped with time display selected.
- [.--] A disc stopped with track-time display selected.
- [Pse] The cd player is paused.

D4 204 tuner displays

Using **Display** the Master can show:

- [###.#] Frequency in MHz

OR:

- [P. #] preset number.

D5 Select displays

When using a Meridian 204 or 207 preset numbers or tracks can be selected with **Next** or **Prev**, or with numbers.

- [S. #] is a select display.
- If on CD use **Play** to action
- If on Radio use **Play** to action, or wait.

D6 Tone control displays

Tone controls can be reviewed or modified when their cursors are up. The cursors are:

- [b. #] bass shelf cursor
- [t. #] tilt cursor
- [FLAt] Q set flat
- [CUt] Q set low

D7 Memory displays

- [Sto.] Store
- [rEc.] Recall
- [rES.] Reset

D8 Balance displays

- [L. #] balance set # to left
- [r. #] balance set # to right
- [F. #] front/rear balance
- [E. #] effect balance

D9 Error displays

- [Err.] You have tried to select a track or preset that does not exist.
- [nA.] You have tried to select a system or input source that does not exist.
- [boot] A boot error has occurred, the D600 needs to be reprogrammed.
- [junk] A display of meaningless characters indicates that electrical interference has disturbed the microprocessor and that it will be necessary to switch the D600 off and on. No harm will have resulted if it reboots normally.

D10 Version number

The version number of the software in the D600 can be seen in **STANDBY** by pressing **Display**. The D600 will respond [x.x] where x.x is the version.

Appendix E

D600 connections

Connections must be made as follows.

E1 Power connections

- Each D600 should be connected to an approved AC outlet using the cord provided.
- If at all possible adapter or extension accessories should not be used even if of an approved type.
- If a power-line filter is to be used try to use a permanent type and be sure that it is approved to the standards of your territory and that it retains the grounding.

WARNING D600 must be grounded

E2 Digital audio connections

This connection is made for **D1** if you use the **M** and **S** leads supplied as described in 6.2.

E2.1 General

Digital audio has to be conveyed to all D600s in the installation. This can be done directly to each D600 if:

- the source has multiple outputs, or;
- you are using a splitter device. Consult your dealer.

Normally each digital audio source is connected only to the *Master*, and then the selected source is passed from the **Dout** socket of the *Master* to the *Slave* via the **S-lead**. (In multiple installations *Slaves* can feed *Slaves* — see Appendix C).

E2.2 Optical sources

The D600 has one optical and two coaxial digital inputs. Normally an optical source will be connected using an optic-fibre from the source to the *Master*. *Slaves* then receive the signal conveyed on coaxial cable from the **Dout** of the *Master*. Refer to Appendix B8.1 if this is not the case. Using optical connections in this way is perfectly valid since it maintains the isolation between the source and the D600s. The *Master* and *Slave* are never isolated from each other irrespective of the connection method.

NOTE Long optic-fibre connectors are available from *Meridian*.

E2.3 Coaxial sources

The D600 has two coaxial digital inputs **D1** and **D2**. The **M** and **S** leads provided, which will be sufficient for the large majority of installations connect to **D1** and **Dout**.

You will need to provide custom cables if:

- You wish to use **D1** and **D2**, or;
- You are wiring a *Multiroom* installation, or;
- You are wiring a surround system, or;
- You require cable lengths different from those provided, or;

- You intend to feed each D600 directly.
- In all cases the requirements are the same.

- Use standard phono plugs at each end
- Use a very high-quality cable. It must have a characteristic impedance of 75 ohms, be low-loss at video frequencies and be very well shielded. *Meridian* supply a double-shielded custom digital audio cable as an accessory.

E3 200-Series Comms connections

This connection is made for **System1** if you use the **M** and **S** leads supplied as described in 6.2. Connect up the *Meridian* products as described in 6.2 using the **M** and **S** leads, and **Q-lead** between a 201/2 and 204.

If the system is a *Meridian Multiroom* installation then refer to the *Multiroom Technical Reference Manual*.

E4 Analogue audio connections

Analogue connections require good quality cable and should be run either:

- Direct from the analogue sources to each D600, or;
- From the outputs of an analogue preamplifier to each D600.

The inputs to the D600 are balanced. Check the following.

Unbalanced signal (simple coaxial cable)

- Connect an direct to **A1+** or **A2+**.

Semi-balanced signal (screened twisted pair) is connected either:

- Ground screen and cold-core at sending end, connect hot-core to phono inner and cold-core to phono outer. Use **A1+** or **A2+**.
- Ground screen and cold-core at sending end. Split cable at receiving end, hot-core to **A1+** inner, screen to **A1+** outer, cold-core to **A1-** inner. (Note **A2** can be used in the same way).

Full balanced signal.

- Connect + phase to **A1+** using screened cable or screened twisted-pair.
- Connect - phase to **A1-** as + phase.
- Connect shields to outers of **A1+** and **A1-**.

Note **A2** can be used in the same way.

Appendix F Help!

F1 Interference

NOTE D600 is a digital audio and computing device which has been designed to very high standards of ElectroMagnetic Compatibility.

FCC WARNING: This equipment generates uses and can radiate radio frequency energy and if not installed and used correctly in accordance with our instructions may cause interference to radio communications or radio and television reception. It has been type-tested and complies with the limits set out in:

- Subpart J, Part 15 of FCC rules for a Class B computing device.

These limits are intended to provide reasonable protection against such interference in home installations.

If this equipment does cause or suffer from interference to/from radio or television reception then the following measures should be tried:

- Check that the system is adequately grounded in accordance with the instructions.
- Reorient the receiving aerial or route the antenna cable of the receiver as far as possible from the D600 and its cabling.
- Ensure that the receiver uses well-screened antenna cable.
- Relocate the receiver with respect to the D600s.
- Connect the receiver and this product to different AC outlets.
- If the problem persists contact your dealer.

CANADA This product complies with the Class B limits laid down by the Canadian Department of Communications.

VDE This product has been designed to comply with VDE 0871/6.78 as a Class B device.

EEC This product has been designed to comply with the limits set out by the CISPR 14 committee of the IEC.

REMEMBER to switch all units off before changing any connections.

F2 No sound

- Check the AC power supply to D600 – indicated by the [.] *STANDBY* display in the window – see Appendix D.
- Check AC supply to other units of system.
- Check correct source is selected and that the source itself is running and producing music.
- Check interconnections are made to correct sockets.
- Check that the D600 is not in Mute, i.e. the display does not say [Att.].
- Check volume is set, to say 25, for audibility.

If there is still no sound reset the D600 by switching the power off, wait 30 seconds, switch back on.

F3 Sound from one channel only

- Check interconnect and speaker wiring
- Do both displays say the same thing?

F4 Channels reversed

Remember that for digital inputs left or right is determined at setup, see Appendices. Default conditions set *Master to Right*.

- If necessary reconfigure, see Appendix B8.

Remember that the channels of the analogue input are connected directly by you.

- Ensure that left and right are correct on analogue and digital.

F5 Settings lost

- Check the procedures set out in Appendix A.
- Contact your dealer.

F6 Hum

Hum is normally only expected on analogue sources. Check the grounding of the analogue preamplifier. See the handbook supplied with your preamplifier for help.

F7 Clicks with digital sources

Clicks appearing in the sound when switched to a digital source. There are two likely possibilities:

- Clicks only occur when the source is running (playing). Due to error correction or transmission failure. First check the condition of the disc or tape. If the player is a 207 look for a flashing E1 or E2 light. Check integrity of connections between the digital audio source and the D600. Are you using good 75 ohm cable?
- Clicks occur randomly with the source selected but stopped. This may be the result of loss of lock due to gross electrical interference. Try to establish if there is an appliance elsewhere in the house causing the disturbance. If necessary suppress it or filter the AC to the D600s.

NOTE D600 has a high performance power-line filter circuit.

F8 207 does not respond

- Check that all connections have been made between the *Master* and the 207.
- Check that the 207 is fitted with software of an adequate level. D600 requires [207.F] or later. To see the version press the **Display** key on the 207 front-panel when the 207 is in *STANDBY*. Version numbers count 1–9, then A–Y. If the software in your 207 is earlier than [207.F] your dealer will be able to obtain an up-to-date EPROM and fit it. Operating code can always be updated.
- Check that the D600 is setup for controlling a 207. Press **CD** on the 609 and ensure that the display is like [cd.##] and not [Cd.##]. Refer to Appendices D and B9.

F9 204 does not respond

- Check that all connections have been made between the *Master* and the 204. If the 204 is the only other *Meridian* equipment connect the appropriate DIN-plug on the **M-lead** to the **207** socket on the 204.
- Check that the 204 is fitted with software of an adequate level. D600 requires [204.A] or later. To see the version press **Mode * Set** on the 204 front-panel when the 204 is not in *STANDBY*. Version numbers count 1–9, then A–Y. If the software in your 204 is earlier than [204.A] your dealer will be able to obtain an up-to-date EPROM and fit it. Operating code can always be updated.
- Check that the D600 is setup for controlling a 204. Press **CD** on the 609 and ensure that the display is like [rd.##] and not [tu.##]. Refer to Appendices D and B9.

F10 201 does not respond

- Check that all connections have been made between the *Master* and the 201. If the 201 is the only other *Meridian* equipment connect the appropriate DIN-plug on the **M-lead** to the **200-Comms** socket on the 201.
- Check that the 201 is fitted with software of an adequate level. D600 requires [201.7] or later. To see the version follow the instructions in the manual supplied with the 201. Version numbers count 1–9, then A–Y. If the software in your 201 is earlier than [201.7] your dealer will be able to obtain an up-to-date EPROM and fit it. Operating code can always be updated.
- Check that the D600 is setup for controlling a 201. Press **Video** on the 609 and ensure that the display is like [t4.##]. Refer to Appendices D, B2 and B3.

F11 D600s go silent when used hard

D600 has a temperature sensing system on board that prevents overheating of the electronics. The sound will reset on cooling down. What have you been playing?

JRS 26 Feb 89

Appendix G

D600 specification

Inputs

A1, A2 analogue balanced	775mV (nominal) 3Vrms max.
D1, D2 digital cable	IEC 958, 30–42kHz automatic IEC 958, 40–52kHz automatic Subcode extracted from digital signal EIAJ interface as D1, D2 Subcode extracted from digital signal
Optical digital	
Communications	Systems 1, 2 and Local for <i>Meridian</i> systems

Outputs

Dout digital audio	IEC 958, selected copy of input signal
Communications	Systems 1, 2 and Local for <i>Meridian</i> systems
Power amplifiers:	
Tweeter	65W mean power
Bass/mid	65W mean power
Bass	65W mean power
Acoustic	typically > 115dB spl @ 1m

Distortion

At any settings below clipping	<0.02% thd
typically	<0.01%

Noise

Absolute S/N any channel	<-110dB CCIR
Acoustic	<20dBspl @ 1m

Digital processing

- Automatic synchronisation to input signal.
- Automatic identification of CD or DAT to enhance lock-in.
- Proprietary PLL for lowest jitter, <100pS peak word–word.
- CRC validity checking of input signal
- 4 times oversampling digital filter
- Error correction and concealment
- 16 bit DAC used in mono high-precision mode to achieve >15.7 bits precision.
- Passive DAC filter for highest quality sound.
- Processing and display of sub-code.

Loudspeakers

Bass	2x 160mm polypropylene bass, bass/mid
Tweeter	25mm aluminium dome, ferro-fluid damped

Cabinet

Constructed from 18mm Finnish plywood wood veneer finish. Display window glass.

Power required

Voltage	100–125V AC 50–60Hz, or: 200–250V AC 50–60Hz
Consumption	10VA <i>STANDBY</i> , 200VA max.

Dimensions

210mmx900mmx295mm, WxHxD

Weight

32kg each

Master setup

ROOT MENU

Channel Left [L.] Right [r.]
Slaves use Optical? Yes [?.OP.] No [?]

Key
Reset
Left
Stop

SYSTEM 1 setup

red light in window

SYSTEM MENU

D600 [6. ??] 201 [1. ??] 207 [7. ??] None [n. ??]
Start on system 1? Yes [? S.] No [?]
Protocols Open [? ?] Use [? U?] Close [? n?]

System
Standby
Vol up
Play
Stop

System 1 SOURCE MENU 1

Sources Display types

CD [cd.]
Radio [rd.]
LP [LP.]
Tape1 [t1.]
Tape2 [t2.]
Video [t4.]

SOURCE MENU 2

D600 input

[cd.]
[rd.]
[LP.]
[t1.]
[t2.]
[t4.]

SOURCE MENU 3*

System

[cd.]
[rd.]
[LP.]
[t1.]
[t2.]
[t4.]

Any input

L, Nxt, Prv
L, Nxt, Prv
L, Nxt, Prv
L, Nxt, Prv
L, Nxt, Prv
L, Nxt, Prv

SYSTEM 2 setup

yellow light in window

SYSTEM MENU

D600 [6. ??] 201 [1. ??] 207 [7. ??] None [n. ??]
Start on system 2? Yes [? S.] No [?]
Protocols Open [? ?] Use [? U?] Close [? n?]

System
Res*Stby
Vol up
Play
Stop

System 2 SOURCE MENU 1

Sources Display types

CD [cd.]
Radio [rd.]
LP [LP.]
Tape1 [t1.]
Tape2 [t2.]
Video [t4.]

SOURCE MENU 2

D600 input

[cd.]
[rd.]
[LP.]
[t1.]
[t2.]
[t4.]

SOURCE MENU 3*

System

[cd.]
[rd.]
[LP.]
[t1.]
[t2.]
[t4.]

Any input

L, Nxt, Prv
L, Nxt, Prv
L, Nxt, Prv
L, Nxt, Prv
L, Nxt, Prv
L, Nxt, Prv

SYSTEM LOCAL setup

red and yellow lights in window

SYSTEM MENU

D600 [6. ??] None [n. ??]
Start on system local? Yes [? S.] No [?]

System
Standby
Vol up
Play

System local SOURCE MENU 1

Sources Display types

CD [cd.]
Radio [rd.]
LP [LP.]
Tape1 [t1.]
Tape2 [t2.]
Video [t4.]

SOURCE MENU 2

D600 input

[cd.]
[rd.]
[LP.]
[t1.]
[t2.]
[t4.]

[cd.]
[rd.]
[LP.]
[t1.]
[t2.]
[t4.]

Any input

L, Nxt, Prv
L, Nxt, Prv
L, Nxt, Prv
L, Nxt, Prv
L, Nxt, Prv
L, Nxt, Prv

Slave setup

ROOT MENU

Left [L. S.] Right [r. S.]
Front [L. FS.] Rear [?. rS.]
Blank display? Yes [?b ?S.] No [? ?S.]

Key
Reset
Left
Pause
Q

* NOTE only available for 207 or 204

Master setup

ROOT MENU

Channel Left [L.] Right [r.]
Slaves use Optical? Yes [?.OP.] No [?]

Key
Reset
Left
Stop

SYSTEM 1 setup

red light in window

SYSTEM MENU

D600 [6. ??] 201 [1. ??] 207 [7. ??] None [n. ??]
Start on system 1? Yes [? S.] No [?]
Protocols Open [? ?] Use [? U?] Close [? n?]

System
Standby
Vol up
Play
Stop

System 1 SOURCE MENU 1

SOURCE MENU 2

SOURCE MENU 3*

Sources Display types

CD [cd.]
Radio [rd.]
LP [LP.]
Tape1 [t1.]
Tape2 [t2.]
Video [t4.]

D600 input

[cd.]
[rd.]
[LP.]
[t1.]
[t2.]
[t4.]

System

[cd.]
[rd.]
[LP.]
[t1.]
[t2.]
[t4.]

Any input

L, Nxt, Prv
L, Nxt, Prv
L, Nxt, Prv
L, Nxt, Prv
L, Nxt, Prv
L, Nxt, Prv

SYSTEM 2 setup

yellow light in window

SYSTEM MENU

D600 [6. ??] 201 [1. ??] 207 [7. ??] None [n. ??]
Start on system 2? Yes [? S.] No [?]
Protocols Open [? ?] Use [? U?] Close [? n?]

System
Res*Stby
Vol up
Play
Stop

System 2 SOURCE MENU 1

SOURCE MENU 2

SOURCE MENU 3*

Sources Display types

CD [cd.]
Radio [rd.]
LP [LP.]
Tape1 [t1.]
Tape2 [t2.]
Video [t4.]

D600 input

[cd.]
[rd.]
[LP.]
[t1.]
[t2.]
[t4.]

System

[cd.]
[rd.]
[LP.]
[t1.]
[t2.]
[t4.]

Any input

L, Nxt, Prv
L, Nxt, Prv
L, Nxt, Prv
L, Nxt, Prv
L, Nxt, Prv
L, Nxt, Prv

SYSTEM LOCAL setup

red and yellow lights in window

SYSTEM MENU

D600 [6. ??] None [n. ??]
Start on system local? Yes [? S.] No [?]

System
Standby
Vol up
Play

System local SOURCE MENU 1

SOURCE MENU 2

Any input

Sources Display types

CD [cd.]
Radio [rd.]
LP [LP.]
Tape1 [t1.]
Tape2 [t2.]
Video [t4.]

D600 input

[cd.]
[rd.]
[LP.]
[t1.]
[t2.]
[t4.]

[cd.]
[rd.]
[LP.]
[t1.]
[t2.]
[t4.]

L, Nxt, Prv
L, Nxt, Prv
L, Nxt, Prv
L, Nxt, Prv
L, Nxt, Prv
L, Nxt, Prv

Slave setup

ROOT MENU

Left [L. S.] Right [r. S.]
Front [L. FS.] Rear [?. rS.]
Blank display? Yes [?b ?S.] No [? ?S.]

Key
Reset
Left
Pause
Q

* NOTE only available for 207 or 204