

Getting started with the 601

We suggest that you read these instructions through once, then follow them in order.

1. Remove the 601 from its packaging. If the 601 is very cold, leave it to warm up to room temperature before continuing. This is to prevent condensation inside the unit damaging it.
2. Look at the back of the 601. There will be a small label showing the voltage that the 601 is set to. Make sure this is the same as the voltage for your area. If it is not, do not go on. Return the unit to your dealer.
3. When you first use 601 you should reset it to one of the standard settings, we call these *Types*. Start with *Type 1*
4. If the voltage is correct, plug in the power cable.
5. Turn on the 601 with the switch next to the power input *while* holding down the **Off** key.

Note: holding the **Off** key while switching on the power resets the 601 to *Type 1*.

The 601 will display:

Type	1
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To select a different *Type*, use the \wedge and \vee **Volume** keys at this time.

6. Switch the power off, then on again without pressing a key.

The 601 is now reset. A small green dot called the *Standby* dot should appear in the display window.

For more details see page 8 of the 601 User Guide

Type 1 gives you a standard preamplifier configuration:

- Output 1, analogue variable.
- Output 2, fixed analogue and digital for recording or use with Multiroom.

The sources and inputs are set up to:

Remote key	Logo	Input	Signal type and level
CD	CD	D1	Digital, subcode display
Radio	Radio	Radio	Analogue, 1V
LP	LP	LP	Analogue – Magnetic 3mV
Tape 1	TP1	Tape 1	Analogue, 2.5V
Video	Video	Video	Analogue, 2.5V
Tape 2	TP2	Tape2	Analogue, 2.5V

For more details of *Types* see page 18 of the User Guide.

Note For each source key on the Remote control there is a logo (or name) used on the 601 display. Each source key also has a input on the back of the 601, which will be used when that key is pressed. Each of the inputs has a signal type, (i.e. it is Digital or analogue). For the analogue inputs there is a voltage level this is the maximum rms level the input will accept.

When you reset 601 to one of the standard *Types*, the **CD** key gives a 'CD' logo in the display and D1 (Digital 1) input is selected. You may wish to, for example, display CD1 for your main CD player and to connect it to O1 (Optical 1) or one of the analogue inputs. To do this refer to *Config* on pages 18 and 25 of the 601 User Guide.

Getting started with the 601 Remote control

1. Unpack the 601 Remote control, you will find a battery in the box.
To fit the battery:
 2. Remove the four screws in the bottom of the Remote control.
 3. Take the metal plate off the bottom.
 4. Clip the battery onto the lead inside the Remote control. Put the battery on the black felt inside the Remote control.
 5. Put the metal plate back on the bottom. Make sure it does not trap the battery lead against the side of the Remote control.
 6. Insert the four screws and do them up.
 7. To test the Remote control, press any key and notice the light flash.
 8. Turn on the 601, point the Remote control at it and press one of the source keys. CD, Radio, LP, etc. You will see the name of the input on the display. This confirms that the Remote control is working.

The *601 User Guide* gives more information on how to use the Remote control. See:

- Operation summary, page 17
- Advanced operation using the Remote control, page 13

Quick start for 601 with CD

This quick start section assumes you are using the 601 as a preamplifier in a system with a CD player, power amplifier/s and speakers.

1. Turn the 601 off again and make sure any other equipment you are connecting it to is turned off.
2. Connect the Digital output of your CD player to the digital input **D1** on the back of the 601.
3. Connect the analogue output **A1** on the back of the 601 to your power amplifier/s.
4. Connect your amplifier/s and speakers as described in their manuals.
5. Turn on your CD player, then the 601 and then the power amplifier/s. It is important to use this order, otherwise you may damage your speakers.
6. Press the source key on the 601. The display will now show

CD	70
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CD is the source and 70 is the volume level. 70 is fairly loud, so you may want to turn it down. Do this by pressing the **v Volume** key. The number will decrease on the display. Hold down the key until you get to about 40. The **^ Volume** key will turn it up again.

7. Start your CD player, the system should now be working.

The 601 has many other features, please read the 601 user guide, it will help you get as much as possible from your 601.

If the system fails to work:

1. Turn off the complete system
2. Check through all the connections
3. Check all the steps above
4. Consult *Help!* on page 57 of the *601 User Guide*
5. If it still does not work, turn it all off and consult your dealer.

Getting started with a record player and the 601

We suggest you read these instructions once, then follow them in order.

To set up the LP input you will need to know what type of cartridge your turn table has. It will be moving magnet or moving coil. If you can not find this information in your turn table manual, consult your dealer.

For this part of the setup you will need the Remote control. If you have not already done so, unpack the Remote control following the instructions in *Getting started with the 601 Remote control*.

Choosing moving coil or moving magnet.

The 601 is set to moving magnet when you receive it. To change it to moving coil do the following.

1. Switch off any power amplifiers that are connected to 601.
2. Switch off the 601 using the power switch on the back.
3. While pressing the **Source** key on the 601 front panel, switch the power on again. The display will read in turn:

Bypass

(or the name of the last DSP programme); then:

Config

4. Release the **Source** key, the display will show:

CD CD

5. Press the **Source** key until the display shows:

LP..LP

If you miss it, keep pressing **Source** until LP is shown again.

6. Press the **Display** key. The display will change to:

LP A-MM

MM shows that it is set for moving magnet.

If you want to change it to moving coil, A-MC, Press the \wedge **Volume** key once. You can change it back to MM using the \vee **Volume** key.

7. Turn off the 601. This stores the setting you have chosen in the memory of the 601.

Changing the LP input sensitivity

To set the sensitivity of the LP input you will need a record that has loud a passage of music on it. This is to make sure that the input does not distort when you are playing loud recordings.

To set the sensitivity you need to have the 601 set up in a working system.

1. If you have already connected your amplifier/s and speakers go on to the instructions below. If you have not yet done so, connect your power amplifier/s to the analogue output **A1** on the back of the 601. Connect your amplifier/s to your speakers as described in their manuals.
2. Connect the output of your turntable to the LP input on the back of the 601.
3. Connect the turntable or tone-arm ground wire to the technical ground. To do this a 4mm plug is supplied to connect to the ground wire. Put the end of the ground wire into the hole in the 4mm plug. Using a small flat bladed screwdriver, tighten the screw onto the ground wire. Push the 4mm plug into the socket marked technical ground on the back of the 601.
4. Switch off any power amplifiers that are connected to 601.
5. Switch off the 601 using the power switch on the back.

6. While pressing the **DSP** key on the 601 front panel, switch the power on again. The display will read in turn:

Bypass

(or the name of the last DSP programme); then:

Setup

7. Release the **DSP** key.

When you release the DSP key a green dot will appear. You are now in *Setup*. For further details of *Setup* see page 20 of the 601 *User Guide*.

8. Press the **Source** key until the display shows:

LP 70

If you miss it, keep pressing **Source** until LP is shown again. The number 70 is the volume level. 70 is fairly loud, so you may want to turn it down. Do this by pressing the ∇ **Volume** key. The number will decrease on the display. Hold down the key until you get to about 40. The \wedge **Volume** key will turn it up again.

9. Turn on the turntable and power amplifiers.
10. Start playing the record with the loud passage you have chosen, it may be distorted, do not worry if it is.
11. Adjust the volume level so you can hear it easily.
12. Press the **blue** > key on the Remote control until the display shows either:

LP 3mV

for moving magnet or,

LP 150uV

for moving coil. If you miss this display, go back using the **blue** < key.

If you wait the display will change back to:

LP 70

(Or whatever volume number it is set at). When it does, you can return to the voltage display using the **blue** > key as above.

To change the sensitivity use the **blue** \wedge and ∇ keys on the Remote control.

1. The \wedge key increases the voltage and the ∇ key decreases it.
2. Try the different settings with your loud passage of music and see which one is the lowest you can use. Do not be worried by the volume changing as you change the sensitivity.

The best setting is the lowest voltage you can use without the red **Level** light on the front of the 601 flashing in loud passages of music. (For further details see *Setting the sensitivity for analogue inputs* on page 30 of the 601 *User guide*.) It is acceptable for the light to come on occasionally as it shows when the input is close to overload, not when it has happened.

When you have chosen the sensitivity you need:

1. Take the record off, turn off your power amplifier/s.
2. Switch off the 601.
3. Switch on the 601 without holding any key, this restores *Normal* operation.

This will have stored the sensitivity settings in the memory of the 601.

Switch your power amplifiers back on.