

# SONY®

Multi Channel AV Receiver

STR-DN1020

## Start here

Hello, this is your Quick Setup Guide



1

Setting up the speakers

2

Connecting your TV and other devices

3

Other connections

4

Selecting speakers and optimizing

5

Playback

## Here's what's in the box

You will need to have a speaker system in place and/or other equipment ready to connect.



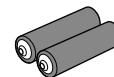
Multi Channel AV Receiver (1)



Optimizer microphone (ECM-AC2) (1)



R6 (size-AA) batteries (2)



Remote control (RM-AAP064) (1)



AM loop antenna (aerial) (1)



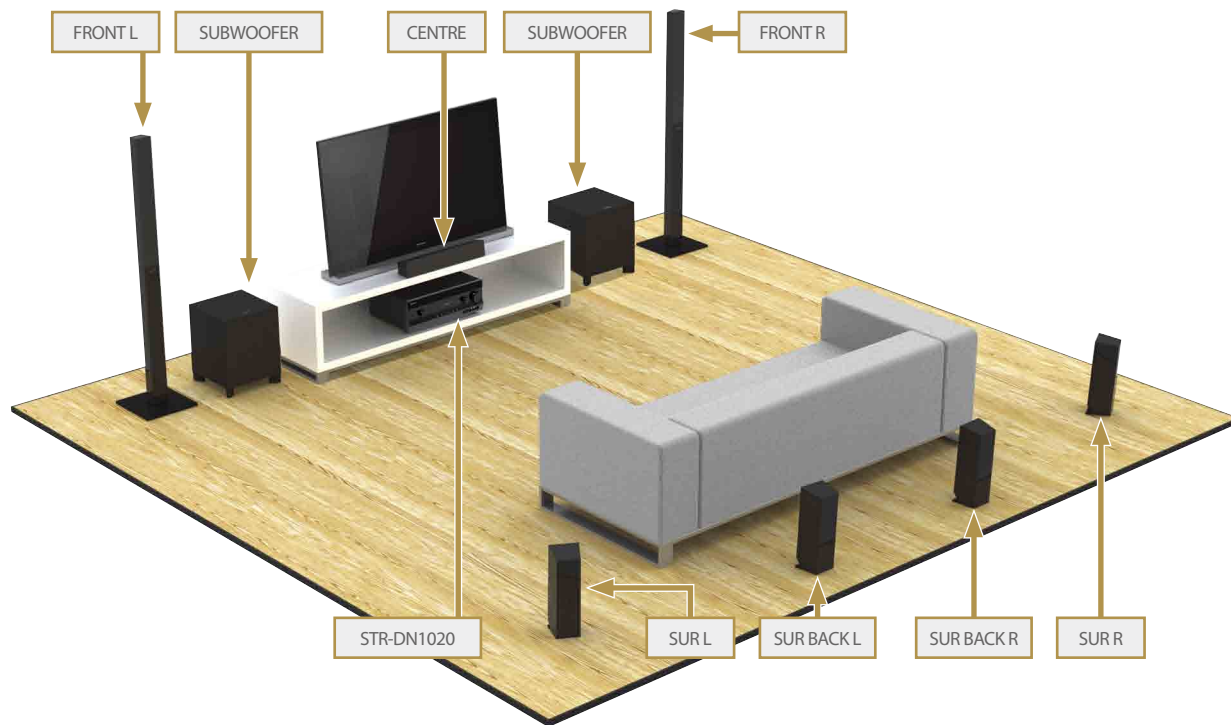
FM wire antenna (aerial) (1)



# 1

First, position your existing speakers around the room using the illustration below as a reference.

- You can connect two FRONT HIGH speakers instead of two SUR BACK speakers if you prefer.
- Up to two subwoofers can be connected.


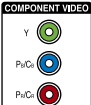





# 2

Continue by connecting your TV. To enjoy high-quality video and audio, the best method is to connect via a High Speed HDMI cable (not supplied).

To connect your Blu-ray Disc player, PlayStation®3, or satellite tuner, simply connect with a High Speed HDMI cable.

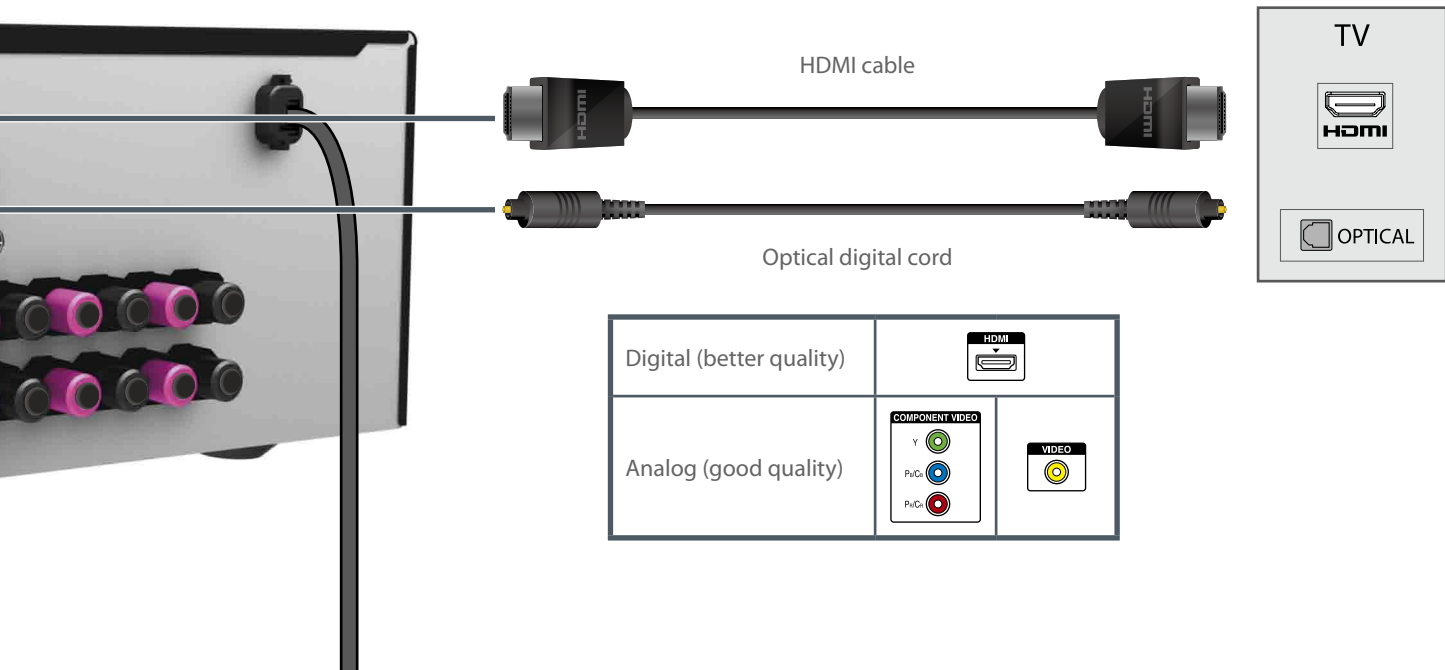
Digital (better quality)		
Analog (good quality)		

Blu-ray Disc player, PlayStation®3, or satellite tuner



**If your TV has an HDMI ARC jack, you do not need an optical digital cord.**

If your TV has no HDMI ARC jack, you need an optical digital cord (not supplied) to enjoy TV sound through the system speakers.



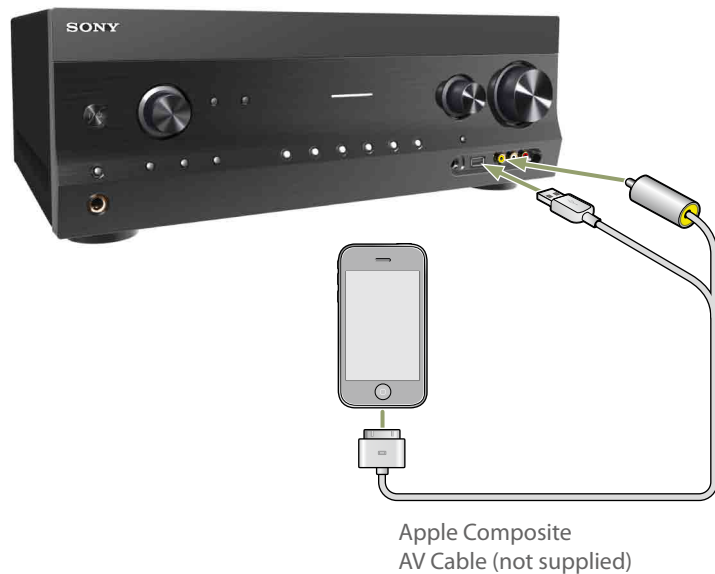
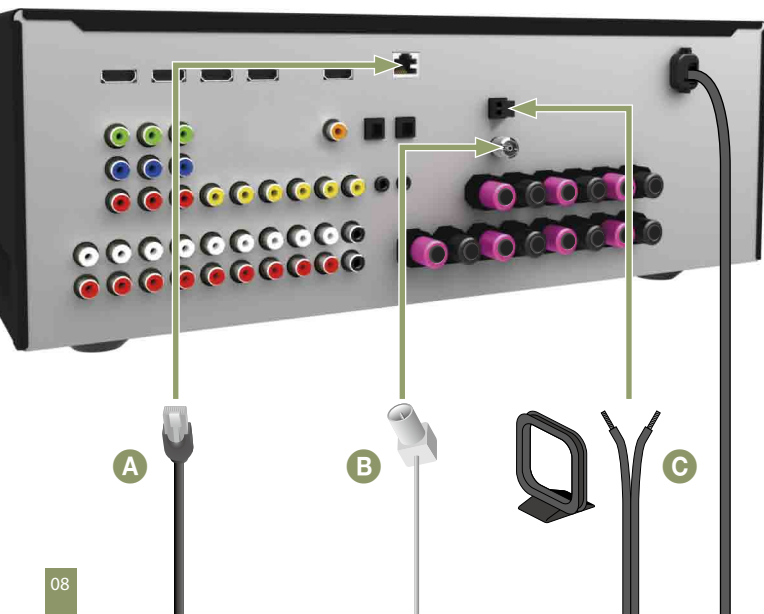
# 3

For FM radio, connect the supplied FM wire antenna (aerial) into the FM ANTENNA jack and extend it for the best reception.

Alternatively, connect your own external antenna (aerial).  
You can connect to the internet and home network services using a LAN cable.

You can also connect your iPhone/iPod to the iPhone/iPod terminals.

A	B	C
LAN cable (not supplied)	FM wire antenna (aerial)	AM loop antenna (aerial)





Now you can switch on the AV receiver, TV, subwoofer and other devices.

Do not forget to put batteries in the remote.



# 4

With the supplied remote, select the speaker pattern according to your speaker system.

1 Press MENU.

The menu is displayed on the TV screen.

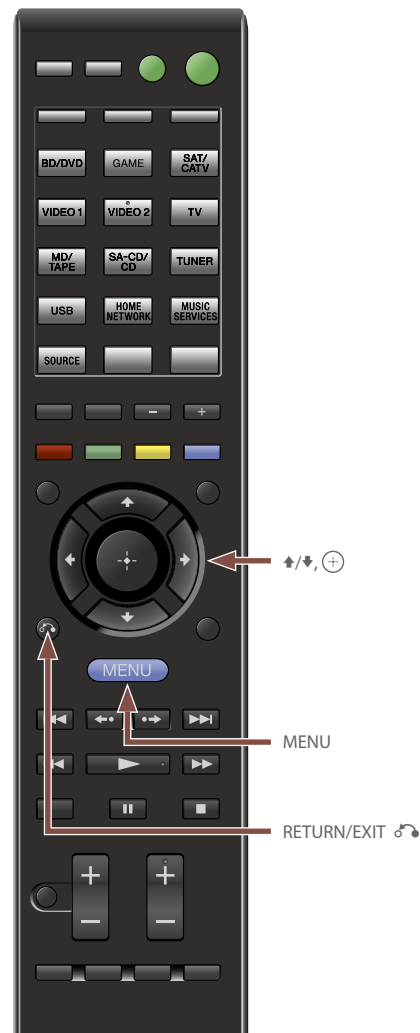
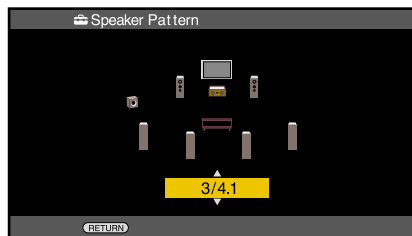
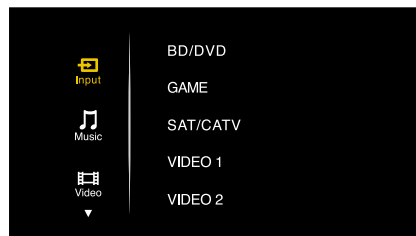
2 Press  $\uparrow/\downarrow$  repeatedly to select "Settings," then press  $\oplus$ .

3 Press  $\uparrow/\downarrow$  repeatedly to select "Speaker," then press  $\oplus$ .

4 Press  $\uparrow/\downarrow$  repeatedly to select "SP Pattern," then press  $\oplus$ .

5 Press  $\uparrow/\downarrow$  repeatedly to select the speaker pattern you want, then press  $\oplus$ .

6 Press RETURN/EXIT  $\hookrightarrow$ .

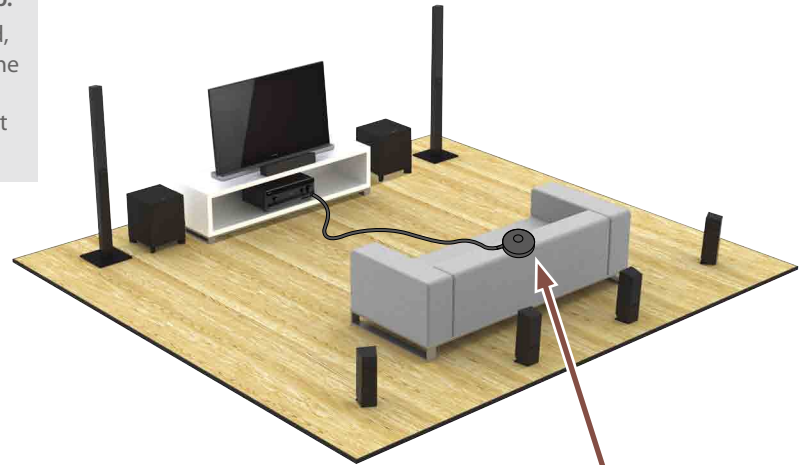


Next, plug the supplied optimizer microphone into the AUTO CAL MIC jack.

Place it roughly where you would normally sit, and at ear level – on the back of a sofa, for instance.

### Confirm active subwoofer setup.

When a subwoofer is connected, turn it on and turn up the volume prior to activating it. Turn the subwoofer's LEVEL dial up about 1/3 of the way.



Now perform Auto Calibration.

1 Press MENU.

2 Press  $\uparrow/\downarrow$  repeatedly to select "Settings," then press  $\oplus$  or  $\rightarrow$ .

3 Press  $\uparrow/\downarrow$  repeatedly to select "Auto Cal.," then press  $\oplus$  or  $\rightarrow$ .

4 Press  $\leftarrow/\rightarrow$  repeatedly to select "Standard," then press  $\oplus$ .

5 Press  $\oplus$  to select "START."

The measurement starts in five seconds.  
The measurement process will take approximately 30 seconds with a test tone.  
When the measurement ends, a beep sounds and the screen switches.

Note

If a code appears on the screen, see the opposite page to fix the problem.

6 Press  $\uparrow/\downarrow$  repeatedly to select "Save," then press  $\oplus$ .

7 Disconnect the optimizer microphone from the AV receiver.



If an error code or warning appears on the TV screen after Auto Calibration, look it up below. After taking the appropriate steps, perform Auto Calibration again.

#### Error Code 31

No speakers are selected. Press SPEAKERS to set the speakers.

#### Error Code 32

None of the speakers were detected. Make sure that the optimizer microphone is connected properly.

If it is connected properly but the error code still appears, the optimizer microphone cable may be damaged.

#### Error Code 33

- None of the front speakers are connected, or only one front speaker is connected.
- The optimizer microphone is not connected.
- The surround left or surround right speaker is not connected.
- Surround back speakers or front high speakers are connected even though surround speakers are not connected. Connect surround speaker(s) to the SPEAKERS SURROUND terminals.

- A single surround back speaker is connected to the SPEAKERS SURROUND BACK/FRONT HIGH/BI-AMP/FRONT B R terminal. When you connect only one surround back speaker, connect it to the SPEAKERS SURROUND BACK/FRONT HIGH/BI-AMP/FRONT B L terminal.
- The front left high or front right high speaker is not connected.

#### Warning 40

The measurement process has completed with high noise level detection. Perform the measurement in a quiet environment.

#### Warning 41/Warning 42

- The input from the optimizer microphone is too loud.
- The distance between the speakers and the optimizer microphone is too close. Set them farther apart.

#### Warning 43

The distance and position of a subwoofer cannot be detected. Perform the measurement in a quiet environment.

#### No Warning

There is no warning information.

Now you can select any other equipment or devices you may have.

**1 Select the equipment you want, then press  $\oplus$ .**

The menu screen disappears and the playback screen of the external input appears.

The available inputs are:

- BD/DVD
- GAME
- SAT/CATV
- VIDEO 1, VIDEO 2
- TV
- MD/TAPE
- SA-CD/CD

**2 Turn on the equipment and start playback.**

**3 Press  $\triangleleft$  +/- to adjust the volume.**

You can also use MASTER VOLUME on the AV receiver.

**4 Press SOUND FIELD +/- to enjoy surround sound.**

You can also use the 2CH/A.DIRECT, A.F.D., MOVIE (HD-D.C.S.) or MUSIC buttons on the AV receiver.



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**Lastly, to enjoy multi-channel surround sound, you should also set up any other devices you have connected.**

This will ensure that the sound signal taken from each device is in the correct format.

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### **Multi-channel digital audio**

Check the digital audio output setting on your connected devices.

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### **Blu-ray Disc Player**

Check the following:

“Audio (HDMI)” is set to “Auto”.

“Dolby Digital (Coaxial/Optical)” is set to “Dolby Digital”.

“DTS (Coaxial/Optical)” is set to “DTS”.

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### **PlayStation®3**

Check that “BD/DVD Audio Output Format (HDMI)” is set to “Bitstream” (for system software version 3.5).

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**For details:** Please refer to the operating instructions supplied with your connected devices.

**Enjoy.**

# This Quick Setup Guide saves paper

To save natural resources, Sony has drastically reduced paper by no longer including full printed manuals. However, full operating instructions, and more, can be found online:

<http://support.sony-europe.com/>

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