

**Note**  
Keep in mind the following when using the remote control:

- Make sure that there are no obstacles between the remote and the remote sensor on the unit.
- The remote has a range of about 7 m (23 ft.).
- Remote operation may become unreliable if strong sunlight or fluorescent light is shining on the unit's remote sensor.
- Remote controllers for different devices can interfere with each other. Avoid using remotes for other equipment located close to this unit.
- Replace the batteries when you notice a fall off in the operating range of the remote.

**1 RECEIVER (STANDBY/ON)**  
Switches the receiver between standby and on.

**2 LISTENING mode buttons**  
**STANDARD**  
Press for Standard decoding and to switch between Pro Logic II options.  
**ADV.SURR.**  
Switches between the various surround modes.  
**STEREO**  
Switches between direct and stereo playback. Direct playback bypasses the tone controls for the most accurate reproduction of a source. Also selects the Auto Surround mode.

**3 TOP MENU**  
Displays the disc "top" menu of a DVD disc.  
**SETUP**  
Press to access the System Setup menu.

**4 TUNER EDIT**  
Press to memorize and name a station for recall. Also functions as the **SETUP** button for DVD/DVR units.

**5 S.RETRIEVER**  
Press to restore CD quality sound to compressed audio sources.

**6 (MASTER) VOLUME +/-**  
Use to set the listening volume.

**7 EFFECT/CH SEL**  
Press repeatedly to select a channel, then use **LEVEL +/-** to adjust the level. Also selects the Advanced Surround effect level (use **LEVEL +/-** to adjust).  
**LEVEL +/-**  
Use to adjust the effect and channel levels.

**8 SLEEP**  
Press to change the amount of time before the receiver switches into standby (30 min - 60 min - 90 min - Off).  
**DIMMER**  
Dims or brightens the display.  
**ANALOG ATT**  
Attenuates (lowers) the level of an analog input signal to prevent distortion.

**9 INPUT SELECTOR buttons**  
Press to select an input source (press **DVD/DVR** to use the DVD player/recorder controls on the remote).  
**RECEIVER**  
Use to switch to the receiver controls on the remote control. Also used when setting up the surround sound for the receiver.

**10 MIDNIGHT/LOUDNESS**  
These features give you good sound at low volume levels when listening to movie (Midnight) or music (Loudness) sources. Press to switch between **MIDNIGHT, LOUDNESS, and OFF**.

**11 MENU**  
Displays the disc menu of DVD-Video discs.  
**DIALOG E (DIALOGUE ENHANCEMENT)**  
This feature localizes dialog in the center channel to make it stand out from other background sounds in a TV or movie soundtrack.

**12 4-STEP/ENTER**  
**13 RETURN**  
Confirm and exit the current menu screen.  
**ONE TOUCH COPY\***  
Copies the currently playing title from DVD to HDD or vice-versa.

**14 MUTE**  
Mutes/unmutes the sound.

**15 DVD/DVR control buttons**  
You can use these buttons to control a Pioneer DVD player or recorder connected to your system.

**16 TUNER controls**  
The **TUNING +/-** buttons can be used to find radio frequencies and the **STATION +/-** buttons can be used to select preset radio stations.  
**DISPLAY**  
Switches the display between station preset name and frequency.  
**CLASS**  
Switches between the three banks (classes) of station presets.  
**MPX**  
Use to switch between auto stereo and mono reception of FM broadcasts. If the signal is weak then switching to mono will improve the sound quality.  
**18 VSB MODE**  
Selects the Virtual Surround Back (VSB) mode.  
**19 TONE**  
Press this button to access the bass and treble controls, which you can then adjust with the **MULTI JOG** dial.  
**20 QUICK SETUP**  
**21 SIGNAL indicators**  
Lights to indicate the type of input signal assigned for the current component:  
**DIGITAL**  
Lights when a digital audio signal is detected.  
**DI DIGITAL**  
Lights when a Dolby Digital encoded signal is detected.  
**DTS**  
Lights when a DTS encoded audio signal is detected.  
**ANALOG**  
Lights when an analog signal is detected.  
**22 LFE**  
When the **STANDARD** mode of the receiver is on, this lights to indicate decoding of a DTS multichannel signal.  
**23 DI DIGITAL**  
When the **STANDARD** mode of the receiver is on, this lights to indicate decoding of a Dolby Digital multichannel signal.  
**24 DI PRO LOGIC II**  
When the **STANDARD** Pro Logic II mode of the receiver is on, **DI PRO LOGIC II** lights to indicate Pro Logic II decoding.  
**25 VIR.SB**  
Lights during Virtual surround back processing.  
**26 DIRECT**  
Lights when source direct playback is in use. Direct playback bypasses the tone controls for the most accurate reproduction of a source.

**27 AUTO SURR.**  
Lights when the Auto Surround feature is switched on.

**28 ATT**  
Lights when **ANALOG ATT** is used to attenuate (reduce) the level of the analog input signal.

**29 SLEEP**  
Lights when the receiver is in sleep mode.

**30 Tuner indicators**  
**C / MONO**  
Lights when the mono mode is set using the **MPX** button.  
**CD / STEREO**  
Lights when a stereo FM broadcast is being received in auto stereo mode.  
**Y\* / TUNED**  
Lights when a broadcast is being received.

**31 Speaker indicator**  
Shows if the speaker system is on or not. **SP A** means the speakers are switched on. **SP B** means the headphones are connected.

**32 ADV.SURR. (Advanced Surround)**  
Lights when one of the Advanced Surround modes has been selected.

**33 WMA9 Pro**  
Lights to indicate decoding of a WMA9 Pro signal.

**34 MIDNIGHT**  
Lights during Midnight listening.

**35 D.E.**  
Lights when Dialog Enhancement (**DIALOG E**) is switched on.

**36 LOUDNESS**  
Lights during Loudness listening.

Button	What it does
<b>DVD/DVR</b>	Turns DVD player or recorder power on/off.
<b>AUDIO</b>	Changes the audio language or channel.
<b>SUBTITLE</b>	Displays/changes the subtitles on multilingual DVD-Video discs.
<b>CH +/-</b>	Switches channels.
<b>II</b>	Starts/resumes normal playback.
<b>  </b>	Pauses/unpauses a disc.
<b>■</b>	Stops playback.
<b>◀◀</b>	Press to start fast reverse scanning.
<b>▶▶</b>	Press to start fast forward scanning.
<b>◀</b>	Skips to the start of the current track or chapter, then previous tracks/chapters.
<b>▶</b>	Skips to the next track or chapter.
<b>HDD/DVD*</b>	Switch between the hard disk and DVD controls for HDD/DVD recorders.
<b>GUIDE*</b>	Displays the guides on a DVD recorder.
<b>REC*</b>	Starts recording.
<b>TIMER REC*</b>	Accesses the timer recording menu.
<b>INFO*</b>	Displays additional EPG information.
<b>REC STOP*</b>	Stops recording.
<b>JUKEBOX*</b>	Switches to the Jukebox feature.

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\*DTS is a registered trademark of DTS, Inc. and "DTS 96/24" is a trademark of DTS, Inc.

**Using the Quick Setup**  
You can use the Quick Setup to get your system up and running with just a few button presses. The receiver automatically makes the necessary settings after you have selected your room size and listening position.

If you want to make more specific settings, refer to The System Setup menu.

Use the front panel controls for the steps below.

- 1 Press **STANDBY/ON** to switch on.
- 2 Press **QUICK SETUP**.
- 3 Use the **MULTI JOG** dial to choose your room size.
- 4 Press **ENTER**.
- 5 Use the **MULTI JOG** dial to choose your listening position.

You can cycle between the following choices:

- **FWD** — If you are nearer to the front speakers than the surround speakers
- **MID** — If you are equal distance from the front and surround speakers
- **BACK** — If you are nearer to the surround speakers than the front speakers

**6 Press ENTER to confirm your setup.**  
The display shows the room size and listening position that you have selected.

**Listening to your system**

**Important**

- Certain features explained in this section will not be possible depending on the source (for example, PCM 88.2 kHz/96 kHz, DTS 96 kHz (24 bit) or WMA9 Pro sources).

**Auto playback**  
The simplest, most direct listening option is the Auto Surround feature. With this, the receiver automatically detects what kind of source you're playing and selects multichannel or stereo playback as necessary.

- While listening to a source, press **STEREO** for auto playback of a source.

Press repeatedly until **AUTO SURR.** shows briefly in the display (it will then show the decoding or playback format). Check the digital format indicators in the display to see how the source is being processed.

**Note**

- Stereo surround (matrix) formats are decoded accordingly using **DI Pro Logic II MOVIE**.
- The Auto Surround feature is canceled if you connect headphones or select the multichannel analog inputs.

**Listening in surround sound**  
Using this receiver, you can listen to any source in surround sound. However, the options available will depend on the type of source you're listening to.

- While listening to a source, press **STANDARD**. If the source is Dolby Digital, DTS, or Dolby Surround encoded, the proper decoding format will automatically be selected and shows in the display.

With two channel sources, press **STANDARD** repeatedly to select from:

- **DI Pro Logic II MOVIE** — Up to 5.1 channel sound, especially suited to movie sources
- **DI Pro Logic II MUSIC** — Up to 5.1 channel sound, especially suited to music sources
- **DI Pro Logic II GAME** — Up to 5.1 channel sound, especially suited to video games
- **DI PRO LOGIC** — 5.1 channel surround sound

**Using the Advanced surround effects**  
Try different settings with various soundtracks to see which you like.

- Press **ADV.SURR.(ADVANCED SURROUND)** repeatedly to select a listening mode.
- **ADV. MOVIE** — Suitable for movie sources.
- **ADV. MUSIC** — Suitable for music sources.
- **TV SURR.** — Provides surround sound for both mono and stereo TV sources.
- **SPORTS** — Suitable for sports programs.
- **ADV. GAME** — Suitable for video games.
- **EXPANDED** — Simulates multichannel surround sound for two-channel sources.
- **EX. POWER (Extra Power)** — Gives multichannel sound to a stereo source, using all of your speakers.
- **VIR. SURR** — A virtual surround effect using just the subwoofer and front speakers.
- **PHONESUR. (Phones Surround)** — Creates the effect of overall surround with headphones.

**Note**

- Use with Dolby Pro Logic for a stereo surround effect (stereo field is wider than Standard modes with Dolby Digital sources).

**Setting the effect options**  
When using surround effects, there are a number of settings you can adjust.

- 1 Press **EFFECT/CH SEL** repeatedly to select the setting you want to adjust.

Depending on the current status / mode of the receiver, certain options may not appear. Check the table below for notes on this.

- 2 Use the **LEVEL +/-** buttons to set it as necessary. See the table below for the options available for each setting. The defaults, if not stated, are listed in bold.
- 3 Press **EFFECT/CH SEL** again to adjust other settings.

Setting	What it does	Options
<b>Center Width*</b>	Spreads the center channel between the front right and left speakers, making it sound wider (higher settings) or narrower (lower settings).	0 to 7 Default: <b>3</b>
<b>Dimension*</b>	Adjusts the surround sound balance from front to back, making the sound more distant (minus settings), or more forward (positive settings).	-3 to +3 Default: <b>0</b>
<b>Panorama*</b>	Expands the front stereo image to include surround speakers for a "wraparound" effect.	OFF ON
<b>Effect</b>	Sets the effect level for the currently selected Advanced Surround mode (each mode can be set separately).	10 to 90

\* Only available with 2 ch sources in Dolby Pro Logic II Music mode.

**Using the Virtual Surround Back mode**  
Selecting this mode allows you to hear a virtual surround back channel through your surround speakers. For example, you can choose to listen to sources with no surround back channel information (for example, 5.1 encoded material) with emulated 6.1 encoding (**VSB ON**). Sometimes the material may sound better in the 5.1 format for which it was originally encoded. In this case you can simply switch it off (**VSB OFF**).

- Press **VSB MODE (front panel)** to select a virtual surround back channel option.

Each press cycles through the options as follows:

- **VSB ON** — Virtual Surround Back is always used (for example, on 5.1 encoded material)
- **VSB OFF** — Virtual Surround Back mode is switched off

**Note**

- You can't use the Virtual Surround Back mode with headphones or with the **STEREO / DIRECT** mode.

**Listening in stereo**  
When you select **STEREO** or **DIRECT**, you will hear the source through just the front left and right speakers (and subwoofer). Dolby Digital and DTS multichannel sources are downmixed to stereo.

- While listening to a source, press **STEREO** for stereo playback.

Press repeatedly to switch between:

- **STEREO** — The audio is heard with your surround settings and you can still use the Midnight, Loudness, and tone functions.

**Using the Sound Retriever**  
When audio data is removed during the compression process, sound quality often suffers from an uneven sound image. The Sound Retriever feature employs new DSP technology that helps bring CD quality sound back to compressed 2-channel audio by restoring sound pressure and smoothing jagged artifacts left over after compression.

- While listening to a source, press **S.RETRIEVER**. Press repeatedly to switch between:
- **RTRV1 ON** — This option is engineered especially for portable digital audio players.
- **RTRV2 ON** — This option is engineered especially for portable digital radio devices (only applicable when using the **FRONT AUDIO INPUT**).
- **OFF** — Switches the Sound Retriever off.

**Making receiver settings from the System Setup menu**  
The following section shows you how to make detailed settings to specify how you're using the receiver and also explains how to fine-tune individual speaker system settings to your liking.

- 1 Press **RECEIVER** on the remote control, then press the **SETUP** button.
- 2 Use **↑/↓** to select the setting you want to adjust then press **ENTER**.

**1 SP SETUP** allows you to specify the distance and balance of the speakers you've connected:

- **CH LEVEL** — Adjust overall balance of your speaker system.
- **SP DISTN.** — Specify the distance of your speakers from the listening position.

- **OTHER** allows you to make customized settings to reflect how you are using the receiver.
- **DRC** — This setting specifies the amount of dynamic range adjustment to Dolby Digital and DTS movie soundtracks (use this when listening to surround sound at low volumes).
- **DUAL MONO** — You can specify how dual mono encoded Dolby Digital soundtracks should be played (dual mono is sometimes used when two languages need to be sent to separate channels).
- **LFE ATT** — Some Dolby Digital and DTS audio sources include ultra-low bass tones. Set the LFE attenuator as necessary to prevent the ultra-low bass tones from distorting the sound from the speakers.

**Channel level**

- 1 Select **CH LEVEL** from the **SP SETUP** menu.
- 2 Use **←/→** to select a setup option.

- **T. TONE M.** — Move the test tone manually from speaker to speaker and adjust individual channel levels.
- **T. TONE A.** — Adjust channel levels as the test tone moves from speaker to speaker automatically.

**3 Confirm your selected setup option.**  
The test tones will start after you press **ENTER**. After the volume increases to the reference level, test tones will be output.

**4 Adjust the level of each channel using ←/→.**  
If you selected **T. TONE M.**, use **↑/↓** to switch speakers.

The **T. TONE A.** setup will output test tones in the following order:

→ L → C → R → RS → LS → SW →

Adjust the level of each speaker as the test tone is emitted.

**5 When you're finished, press RETURN.**

**Tip**

- You can change the channel levels at any time by using **EFFECT/CH SEL** and **+/-** on the remote.

**Speaker Distance**

- 1 Select **'SP DISTN.'** from the **SP SETUP** menu.
- 2 Use **↑/↓** to choose the speaker that you want then set the distance.

Use **←/→** to adjust the distance of each speaker (in 10 cm (0.5 ft) increments).

- 3 When you're finished, press **RETURN**.

**Tip**

- For best surround sound, make sure the surround back speakers are the same distance from the listening position.

**Dynamic Range Control Setup**

- Default setting: **OFF**
- 1 Select **DRC** from the **OTHER** setup menu.
- 2 Use **←/→** to choose the setting that you want.

- **OFF** — No dynamic range adjustment (use when listening at higher volume).
- **MID** — Mid setting.
- **MAX** — Dynamic range is reduced (loud sounds are reduced in volume while quieter sounds are increased).

**3 When you're finished, press RETURN.**

**Dual Mono Setup**

- Default setting: **CH1**
- 1 Select **DUAL MONO** from the **OTHER** setup menu.
- 2 Use **←/→** to choose the setting that you want.

- **CH1** — Only channel 1 is played
- **CH2** — Only channel 2 is played
- **CH1 CH2** — Both channels are played through the front speakers

**3 When you're finished, press RETURN.**

**Note**

- This setting works only with dual mono encoded Dolby Digital and DTS soundtracks.

**LFE Attenuator Setup**

- Default setting: **ATT 0 dB**
- 1 Select **LFE ATT** from the **OTHER** setup menu.
- 2 Use **←/→** to choose the setting that you want.

- **LFEATT 0** — No limiting (recommended setting)
- **LFEATT 10** — 10 dB of limiting
- **LFEATT \*\*** — No sound from LFE channel

**3 When you're finished, press RETURN.**

**Listening to the radio**  
The following steps show you how to tune in to FM and AM radio broadcasts and memorize the frequency for recall later.

- 1 Press **AM or FM** to select the tuner band.
- 2 Tune to a station.

There are three ways to do this:

- **Automatic tuning** — Press and hold **TUNING +/-** for about a second. Searching automatically stops at the next station.
- **Manual tuning** — To change the frequency one step at a time, press **TUNING +/-**.
- **High speed tuning** — Press and hold **TUNING +/-** continuously.

If the signal is weak, press the **MPX** button to switch the receiver into mono reception mode.

**Saving station presets**  
This receiver can memorize up to 30 stations, stored in three banks of 10 stations each.

- 1 Tune to a station you want to memorize.
- 2 Press **TUNER EDIT** to select **'ST. MEMORY'**.
- 3 Press **CLASS** to select one of the three classes then press **STATION (+/-)** to select the station preset you want.

You can also use the **MULTI JOG** dial after pressing **STATION** (front panel) to select station presets.

**4 Press ENTER to store the station.**

**Note**

- When saving an FM frequency, the **MPX** setting is also stored.

**Naming station presets**  
You can your station presets for easy recall.

- 1 Choose the preset you want to name. See *Listening to station presets* below.
- 2 Press **TUNER EDIT** to select **'ST. NAME'**. A cursor appears at the first character position.
- 3 Input the name you want then press **ENTER**. Use the **MULTI JOG** dial (front panel) or the **STATION +/-** buttons (remote) to select characters, and **ENTER** to confirm. If no character is input, a space is input.

**Tip**

- Once you have named a station preset, you can press **DISPLAY** when listening to a station to switch the display between the name and the frequency.

**Listening to station presets**  
You will need to have some presets stored to do this. See *Saving station presets* if you haven't done this already.

- 1 Press **AM or FM** to select the tuner.
- 2 Press **CLASS** to select the class in which the station is stored.
- 3 Press **STATION +/-** to select the station preset you want.

Press repeatedly to cycle through classes **A, B** and **C**.

**Specifications**

**Amplifier section**

- **Continuous power output**

Front	..... 100 W per channel* (200 Hz to 20 kHz, 0.7 %** , 8 Ω)
Center	..... 100 W* (200 Hz to 20 kHz, 0.7 %** , 8 Ω)
Surround	..... 100 W per channel* (200 Hz to 20 kHz, 0.7 %** , 8 Ω)
Subwoofer	..... 100 W* (45 Hz to 200 kHz, 0.7 %** , 8 Ω)

- **RMS Power Output**

Front	..... 144 W per channel (1 kHz, THD, 10 % , 8 Ω)
Center	..... 144 W (1 kHz, THD, 10 % , 8 Ω)
Surround	..... 144 W per channel (1 kHz, THD, 10 % , 8 Ω)
Subwoofer	..... 144 W (1 kHz, THD, 10 % , 8 Ω)

\* Measured pursuant to the Federal Trade Commission's Trade Regulation rule on Power Output Claims for Amplifiers.  
\*\* Measured by Audio Spectrum Analyzer.

**FM Tuner Section**

Frequency Range	..... 87.5 MHz to 108 MHz
Antenna Input (DIN)	..... 75 Ω unbalanced

**AM Tuner Section**

Frequency Range	..... 530 kHz to 1700 kHz
Antenna	..... Loop antenna

**Miscellaneous**

Power requirements	..... AC 120 V / 60 Hz
Power consumption	..... 320 W / 420 VA
In standby	..... 0.5 W
Dimensions	..... 420 mm (W) x 158 mm (H) x 348 mm (D)
	..... 16 9/16 in. (W) x 6 1/4 in. (H) x 13 11/16 in. (D)
Weight (without package)	..... 8.6 kg (19.0 lb)

**Furnished Parts**

Remote control	..... 1
AA/R6 dry cell batteries (to confirm system operation)	..... 2
AM loop antenna	..... 1
FM wire antenna	..... 1
Mini-plug audio cable	..... 1

These operating instructions

**Note**  
Specifications and the design are subject to possible modifications without notice, due to improvements.

**Resetting the main unit**  
Use this procedure to reset all the receiver's settings to the factory default. Use the front panel controls to do this.

- 1 Switch the receiver into standby.
- 2 While holding down the **STONE** button, press and hold the **STANDBY/ON** button for about three seconds.
- 3 When you see **'RESET'** appear in the display, press the **ENTER** button. **OK?** shows in the display.
- 4 Press **SETUP** to confirm. **OK** appears in the display to indicate that the receiver has been reset to the factory default settings.

**Troubleshooting**  
Incorrect operations are often mistaken for trouble and malfunctions. If you think that there is something wrong with this component, check the points below. Take a look at the other components and electrical appliances being used, because sometimes the problem may lie there. If the trouble isn't sorted out even after going through the checks below, ask your nearest Pioneer authorized independent service company to carry out repair work.

**Note**  
If the unit does not operate normally due to external effects such as static electricity, disconnect the power plug from the outlet and insert again to return to normal operating conditions.

Problem	Remedy
The power does not turn on.	<ul style="list-style-type: none"> <li>• Connect the power plug to the wall outlet.</li> <li>• Disconnect the power plug from the outlet, and insert again.</li> <li>• Make sure there are no loose strands of speaker wire touching the rear panel. This could cause the receiver to shut off automatically.</li> <li>• If the power shuts off automatically, take the unit to your nearest Pioneer authorized service center or your dealer for servicing.</li> </ul>
No sound is output when a function is selected.	<ul style="list-style-type: none"> <li>• Make sure the component is connected correctly.</li> <li>• Press <b>MUTE</b> on the remote control to turn muting off.</li> <li>• Adjust the <b>MASTER VOLUME</b>.</li> </ul>
No image is output when a function is selected.	<ul style="list-style-type: none"> <li>• Make sure the component is connected correctly.</li> <li>• Select the correct component (use the <b>INPUT SELECTOR</b> buttons).</li> </ul>
Considerable noise in radio broadcasts.	<ul style="list-style-type: none"> <li>• Tune in the correct frequency.</li> <li>• Connect the antenna and adjust the direction and position for best reception.</li> <li>• Route any loose cables away from the antenna terminals and wires.</li> <li>• Fully extend the FM wire antenna, position for best reception, and secure to a wall.</li> <li>• Connect an outdoor FM antenna.</li> <li>• Connect an additional internal or external AM antenna.</li> <li>• Turn off the equipment causing the noise or move it away from the receiver.</li> <li>• Move antennas farther away from equipment causing the noise.</li> </ul>
Broadcast stations cannot be selected automatically.	<ul style="list-style-type: none"> <li>• Connect an outdoor antenna.</li> </ul>
No sound from surround or center speakers.	<ul style="list-style-type: none"> <li>• Connect the speakers properly.</li> <li>• Refer to <i>Channel level</i> to check the speaker levels.</li> </ul>
No sound from subwoofer.	<ul style="list-style-type: none"> <li>• The Dolby Digital or DTS source you are listening to may not have an LFE channel.</li> <li>• Switch the <i>LFE Attenuator Setup</i> to <b>LFEATT 0</b> or <b>LFEATT 10</b>.</li> </ul>
Noise during playback of a cassette deck.	<ul style="list-style-type: none"> <li>• Move the cassette deck further from your receiver, until the noise disappears.</li> </ul>
No sound is output or a noise is output when software with DTS is played back.	<ul style="list-style-type: none"> <li>• Set the digital volume level of the player to full, or to the neutral position.</li> </ul>
During a playback search, noise is output from a DTS compatible CD player.	<ul style="list-style-type: none"> <li>• This is not a malfunction, but be sure to turn the volume down to prevent the output of loud noise from your speakers.</li> </ul>
Can't operate the remote control.	<ul style="list-style-type: none"> <li>• Replace the batteries.</li> <li>• Operate within 7 m (23 ft.), 30° of the remote sensor on the front panel.</li> <li>• Remove the obstacle or operate from another position.</li> <li>• Avoid exposing the remote sensor on the front panel to direct light.</li> </ul>
The display is dark or off.	<ul style="list-style-type: none"> <li>• Press <b>DIMMER</b> on the remote control repeatedly to return to the default.</li> </ul>

**Additional information**

**Resetting the main unit**  
Use this procedure to reset all the receiver's settings to the factory default. Use the front panel controls to do this.

- 1 Switch the receiver into standby.
- 2 While holding down the **STONE** button, press and hold the **STANDBY/ON** button for about three seconds.
- 3 When you see **'RESET'** appear in the display, press the **ENTER** button. **OK?** shows in the display.
- 4 Press **SETUP** to confirm. **OK** appears in the display to indicate that the receiver has been reset to the factory default settings.

**Using the Quick Setup**  
You can use the Quick Setup to get your system up and running with just a few button presses. The receiver automatically makes the necessary settings after you have selected your room size and listening position.

If you want to make more specific settings, refer to The System Setup menu.

Use the front panel controls for the steps below.

- 1 Press **STANDBY/ON** to switch on.
- 2 Press **QUICK SETUP**.
- 3 Use the **MULTI JOG** dial to choose your room size.
- 4 Press **ENTER**.
- 5 Use the **MULTI JOG** dial to choose your listening position.

You can cycle between the following choices:

- **FWD** — If you are nearer to the front speakers than the surround speakers
- **MID** — If you are equal distance from the front and surround speakers
- **BACK** — If you are nearer to the surround speakers than the front speakers

**6 Press ENTER to confirm your setup.**  
The display shows the room size and listening position that you have selected.

**Using the Virtual Surround Back mode**  
Selecting this mode allows you to hear a virtual surround back channel through your surround speakers. For example, you can choose to listen to sources with no surround back channel information (for example, 5.1 encoded material) with emulated 6.1 encoding (**VSB ON**). Sometimes the material may sound better in the 5.1 format for which it was originally encoded. In this case you can simply switch it off (**VSB OFF**).

- Press **VSB MODE (front panel)** to select a virtual surround back channel option.

Each press cycles through the options as follows:

- **VSB ON** — Virtual Surround Back is always used (for example, on 5.1 encoded material)
- **VSB OFF** — Virtual Surround Back mode is switched off

**Note**

- You can't use the Virtual Surround Back mode with headphones or with the **STEREO / DIRECT** mode.

**Listening in stereo**  
When you select **STEREO** or **DIRECT**, you will hear the source through just the front left and right speakers (and subwoofer). Dolby Digital and DTS multichannel sources are downmixed to stereo.

- While listening to a source, press **STEREO** for stereo playback.

Press repeatedly to switch between:

- **STEREO** — The audio is heard with your surround settings and you can still use the Midnight, Loudness, and tone functions.

**Specifications**

**Amplifier section**

- **Continuous power output**

Front	..... 100 W per channel* (200 Hz to 20 kHz, 0.7 %** , 8 Ω)
Center	..... 100 W* (200 Hz to 20 kHz, 0.7 %** , 8 Ω)
Surround	..... 100 W per channel* (200 Hz to 20 kHz, 0.7 %** , 8 Ω)
Subwoofer	..... 100 W* (45 Hz to 200 kHz, 0.7 %** , 8 Ω)

- **RMS Power Output**

Front	..... 144 W per channel (1 kHz, THD, 10 % , 8 Ω)
Center	..... 144 W (1 kHz, THD, 10 % , 8 Ω)
Surround	..... 144 W per channel (1 kHz, THD, 10 % , 8 Ω)
Subwoofer	..... 144 W (1 kHz, THD, 10 % , 8 Ω)

\* Measured pursuant to the Federal Trade Commission's Trade Regulation rule on Power Output Claims for Amplifiers.  
\*\* Measured by Audio Spectrum Analyzer.

**FM Tuner Section**

Frequency Range	..... 87.5 MHz to 108 MHz
Antenna Input (DIN)	..... 75 Ω unbalanced

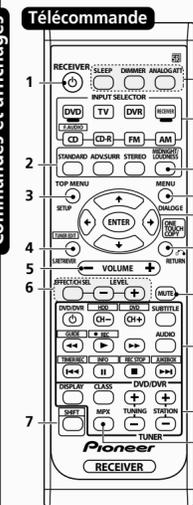
**AM Tuner Section**

Frequency Range	..... 530 kHz to 1700 kHz
Antenna	..... Loop antenna

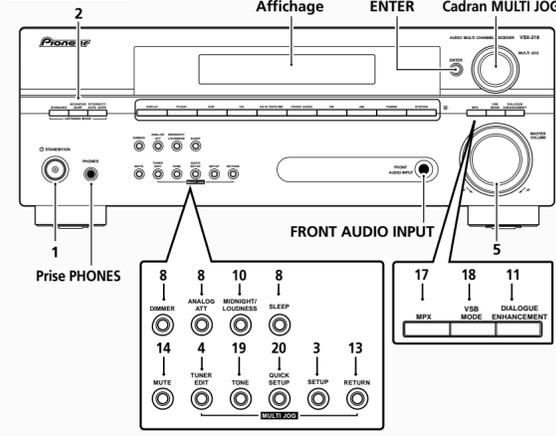
**Miscellaneous**

Power requirements	..... AC 120 V / 60 Hz
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Commandes et affichages

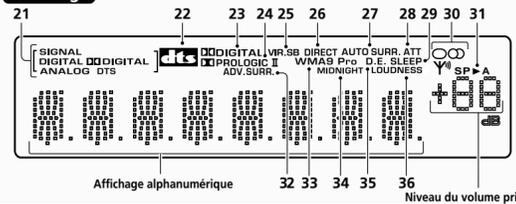


Panneau avant



Remarque
Gardez à l'esprit ce qui suit lorsque vous utilisez la télécommande:
• Assurez-vous de l'absence d'obstacles entre la télécommande et le capteur de l'appareil.

Affichage



- 1 RECEIVER (STANDBY/ON)
2 Touches Listening Mode
3 STEREO
4 TUNER EDIT\*
5 (MASTER) VOLUME +/-
6 EFFECT/CH SEL
7 SHIFT
8 SLEEP
9 Touches INPUT SELECTOR

- 10 MIDNIGHT/LOUDNESS
11 MENU
12 UP/DOWN/ENTER
13 RETURN
14 MUTE
15 Touches de commande DVD/DVR
16 Commandes du TUNER
17 MPX
18 VSB MODE
19 TONE
20 QUICK SETUP
21 Indicateurs SIGNAL
22 DTS
23 DIGITAL
24 PRO LOGIC II
25 VIB SB
26 DIRECT
27 AUTO SURR.
28 ATT
29 SLEEP
30 Indicateurs du Tuner
31 MONO

- 32 ADV.SURR. (Advanced Surround)
33 WMA9 Pro
34 MIDNIGHT
35 D.E.
36 LOUDNESS
37 Y / TUNED
38 Indicateur d'enceinte
39 S.P.A signifie que les enceintes sont en marche.
40 S.P.P signifie que le casque d'écoute est raccordé.
41 Indicateur de signal
42 DIGITAL
43 DTS
44 ANALOG
45 DTS
46 DTS
47 DTS
48 DTS
49 DTS
50 DTS
51 DTS
52 DTS
53 DTS
54 DTS
55 DTS
56 DTS
57 DTS
58 DTS
59 DTS
60 DTS

Remarque
Gardez à l'esprit ce qui suit lorsque vous utilisez la télécommande:
• Assurez-vous de l'absence d'obstacles entre la télécommande et le capteur de l'appareil.

Préparatifs

Utilisation de la touche Quick Setup

La touche Quick Setup vous permet de mettre en marche votre système en appuyant sur un minimum de touches. Le récepteur définit automatiquement les réglages nécessaires lorsque vous avez sélectionné la taille de la pièce et la position d'écoute.

Ecoute de sources à l'aide de votre système

Important
• Certaines options décrites dans cette section ne seront pas accessibles selon la source (par exemple, PCM 88,2 kHz/96 kHz, DTS 96 kHz (24 bits) ou WMA9 Pro).

Si la source présente un encodage Dolby Digital, DTS ou Dolby Surround, le format de décodage adéquat sera automatiquement sélectionné et apparaîtra sur l'affichage.
Pour les sources à deux canaux, appuyez plusieurs fois sur la touche STANDARD pour sélectionner:
• DD Pro Logic II MOVIE — Les sons jusqu'à 5.1 canaux, particulièrement adaptés aux sources cinématographiques
• DD Pro Logic II MUSIC — Les sons jusqu'à 5.1 canaux, particulièrement adaptés aux sources musicales
• DD Pro Logic II GAME — Les sons jusqu'à 5.1 canaux, particulièrement adaptés aux jeux vidéo
• DD PRO LOGIC — Son surround à 5.1 canaux

Réglage des options d'effet
Lorsque vous utilisez des effets surround, vous pouvez paramétrer plusieurs réglages.
1 Appuyez plusieurs fois sur la touche EFFECT/CH SEL pour sélectionner le réglage que vous souhaitez paramétrer.
2 Utilisez les touches LEVEL +/- pour paramétrer le réglage selon les besoins.

Utilisation du mode d'effet surround arrière virtuel
La sélection de ce mode permet à vos enceintes surround d'émettre un son de canal arrière surround virtuel.
1 Appuyez sur la touche VSB MODE (panneau avant) pour sélectionner une option de canal surround arrière virtuel.
2 Appuyez sur la touche DISPLAY au moment de l'écoute de cette station de radio pour afficher son nom ou sa fréquence.

DIRECT — Contourne tous les effets et réglages surround afin que le son demeure le plus près possible du signal audio de la source.
AUTO SURR. — Reportez-vous à la section Lecture en mode Auto ci-dessus.
Remarque
• DIRECT permute en STEREO en cas d'utilisation des fonctions Midnight, Loudness et Dialog Enhancement ou les commandes de tonalité.

Menu de configuration du système

Effectuez les réglages du récepteur à partir du menu de configuration du système

La section suivante décrit de façon détaillée comment effectuer les réglages adaptés à votre propre utilisation du récepteur et comment régler chaque système d'enceintes séparément selon vos exigences.
1 Appuyez sur la touche RECEIVER de la télécommande, puis sur la touche SETUP.
2 Utilisez les touches UP/DOWN pour sélectionner le réglage que vous désirez paramétrer, puis appuyez sur la touche ENTER.

Utilisation du tuner

Pour écouter la radio
Les étapes suivantes décrivent la façon de régler les bandes FM et AM et d'en mémoriser la fréquence pour y accéder ultérieurement.
1 Appuyez sur les touches AM ou FM pour sélectionner la bande.
2 Pour régler une station de radio, appuyez sur la touche TUNING +/- pour sélectionner la fréquence d'une station de radio.
3 Appuyez sur la touche TUNING +/- pour sélectionner la fréquence d'une station de radio.

Mémorisation de stations de radio préréglées
Ce récepteur peut mémoriser jusqu'à 30 stations de radio enregistrées dans trois rangées de 10 stations de radio chacune.
1 Pour régler une station de radio que vous désirez mémoriser, appuyez sur la touche TUNER EDIT pour sélectionner 'ST. MEMORY'.
2 Appuyez sur CLASS pour sélectionner une classe sur les trois, puis sur STATION (+/-) pour sélectionner la station de radio préréglée que vous désirez.
3 Appuyez sur la touche ENTER pour mémoriser la station de radio.

Pour nommer les stations de radio préréglées
Vous pouvez nommer vos stations de radio préréglées pour y accéder facilement.
1 Choisissez la station de radio préréglée que vous désirez nommer.
2 Appuyez sur la touche TUNER EDIT pour sélectionner 'ST. NAME'.
3 Saisissez le nom que vous désirez donner à la station de radio, puis appuyez sur la touche ENTER.
4 Appuyez sur la touche ENTER pour confirmer. Si aucun caractère n'est saisi, il y aura un espace.

Pour écouter les stations de radio préréglées
Vous devez mémoriser des stations de radio préréglées pour avoir accès à cette fonction. Reportez-vous à la section Mémorisation de stations de radio préréglées si vous n'avez pas encore mémorisé des stations de radio préréglées.
1 Appuyez sur les touches AM ou FM pour sélectionner le tuner.
2 Appuyez sur CLASS pour sélectionner la classe dans laquelle la station de radio sera mémorisée.
3 Appuyez sur la touche STATION +/- pour sélectionner la station de radio préréglée que vous désirez.

Spécifications
Section amplificateur
• Puissance de la production électrique continue
Avant ..... 100 W par canal\* (200 Hz à 20 kHz, 0,7 %\*\*, 8 Ω)
Centre ..... 100 W\* (200 Hz à 20 kHz, 0,7 %\*\*, 8 Ω)
Surround ..... 100 W par canal\* (200 Hz à 20 kHz, 0,7 %\*\*, 8 Ω)
Subwoofer ..... 100 W\* (45 Hz à 200 kHz, 0,7 %\*\*, 8 Ω)

Informations complémentaires

Guide de dépannage

Une utilisation incorrecte de l'appareil est souvent interprétée comme un problème ou un dysfonctionnement. Si vous êtes convaincu que cet appareil ne fonctionne pas correctement, contrôlez les points ci-dessous. Inspectez les autres appareils électriques raccordés au récepteur car quelquefois, le problème provient d'un autre appareil. Si le problème ne peut pas être résolu grâce à la liste de contrôle ci-dessous, consultez le service après-vente Pioneer indépendant agréé le plus proche pour effectuer la réparation.

Configuration du contrôle de la plage dynamique

Distance des enceintes
1 Sélectionnez SP DISTN. à partir du menu SP SETUP.
2 Utilisez les touches UP/DOWN pour sélectionner l'enceinte pour laquelle vous désirez alors régler la distance.
3 Lorsque vous avez terminé, appuyez sur la touche RETURN.

Utilisation du tuner
Pour écouter la radio
Les étapes suivantes décrivent la façon de régler les bandes FM et AM et d'en mémoriser la fréquence pour y accéder ultérieurement.
1 Appuyez sur les touches AM ou FM pour sélectionner la bande.
2 Pour régler une station de radio, appuyez sur la touche TUNING +/- pour sélectionner la fréquence d'une station de radio.
3 Appuyez sur la touche TUNING +/- pour sélectionner la fréquence d'une station de radio.

Menu de configuration du système
Effectuez les réglages du récepteur à partir du menu de configuration du système
La section suivante décrit de façon détaillée comment effectuer les réglages adaptés à votre propre utilisation du récepteur et comment régler chaque système d'enceintes séparément selon vos exigences.

Section amplificateur
Puissance de la production électrique continue
Avant ..... 100 W par canal\* (200 Hz à 20 kHz, 0,7 %\*\*, 8 Ω)
Centre ..... 100 W\* (200 Hz à 20 kHz, 0,7 %\*\*, 8 Ω)
Surround ..... 100 W par canal\* (200 Hz à 20 kHz, 0,7 %\*\*, 8 Ω)
Subwoofer ..... 100 W\* (45 Hz à 200 kHz, 0,7 %\*\*, 8 Ω)

Section tuner FM
Plage de fréquences ..... 87,5 MHz à 108 MHz
Entrée d'antenne (DIN) ..... 75 Ω déséquilibrée

Réinitialisation de l'appareil principal

Respectez cette procédure pour rétablir les réglages d'usine du récepteur. Utilisez les commandes du panneau avant pour ce faire.
1 Mettez le récepteur en mode veille.
2 En maintenant la touche TONE enfoncée, appuyez sur la touche STANDBY/ON pendant trois secondes environ et maintenez-la enfoncée.
3 Lorsque 'RESET?' apparaît sur l'affichage, appuyez sur la touche ENTER.

Section tuner AM

Plage de fréquences ..... 530 kHz à 1700 kHz
Antenne ..... Antenne cadre

Section tuner AM
Plage de fréquences ..... 530 kHz à 1700 kHz
Antenne ..... Antenne cadre

Section tuner AM
Plage de fréquences ..... 530 kHz à 1700 kHz
Antenne ..... Antenne cadre

Section tuner AM
Plage de fréquences ..... 530 kHz à 1700 kHz
Antenne ..... Antenne cadre

Section tuner AM
Plage de fréquences ..... 530 kHz à 1700 kHz
Antenne ..... Antenne cadre

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