

# SONY

## MORE CONNECTED ON THE GO THAN EVER

IN-CAR MEDIA RECEIVERS

# SONY



Car Audio Catalogue '20



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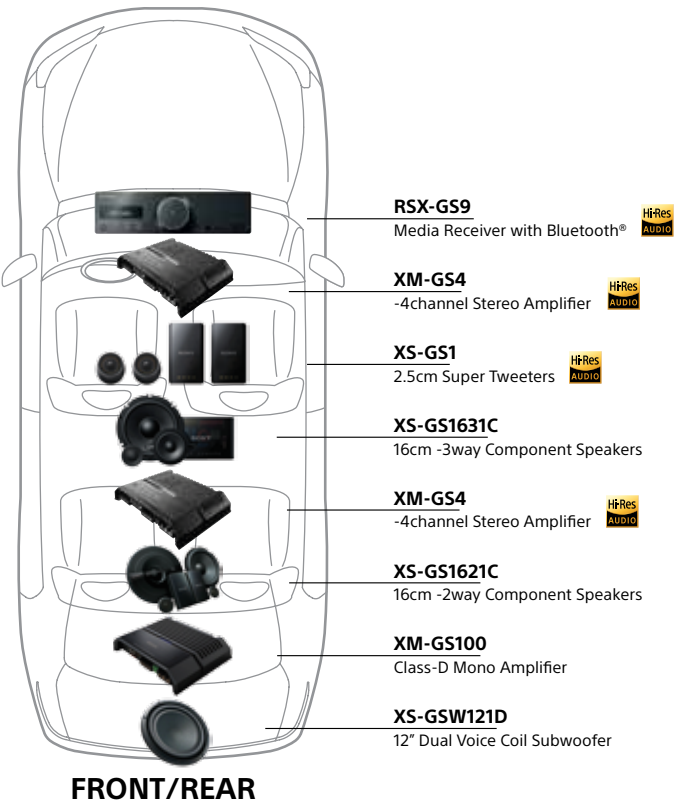


RECOMMENDED SYSTEM SETUPS

What gets you going? What puts you in the perfect driving mood? For whatever taste in music you have, we’ve got the ideal setups to get you started. Whether it’s advanced connectivity to stream the latest hits, or a powerful bass to hit all the right spots, we’ve got you covered.

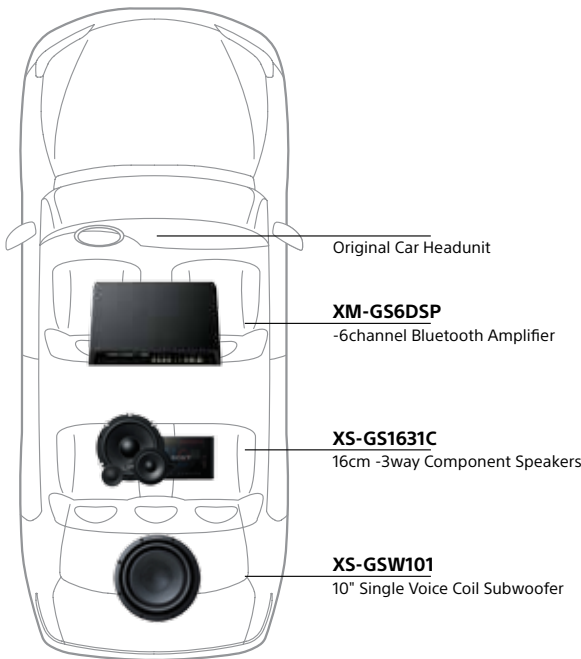
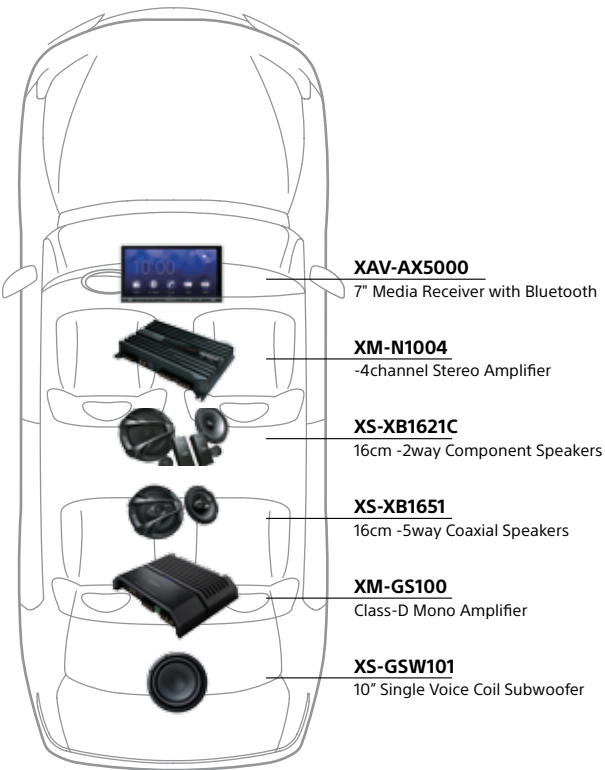
FOR THE AUDIO PERFECTIONIST

You’re the audiophile who won’t just settle. This setup fuels your ride with rich and dynamic Hi-Res audio performance. You can imagine being there with the music.



FEEL THE EXTRA BASS

Because you’re all about the bass. Premium speakers and woofers work with the audio amplifier to deliver deep-thumping beats that you can feel in your bones.



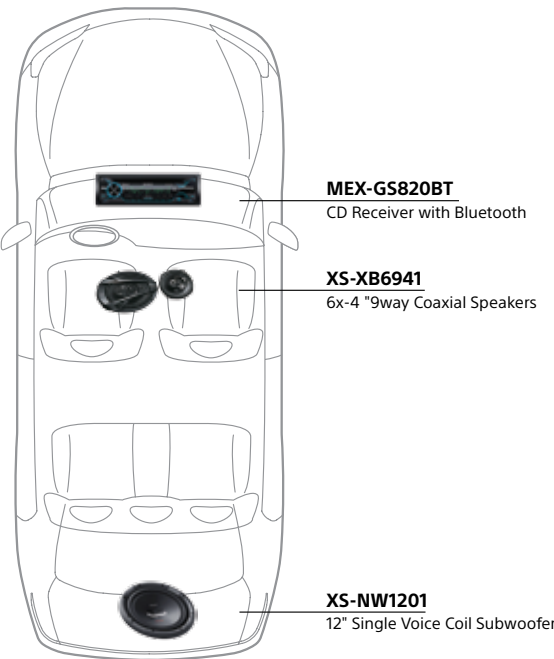
FOR OEM AUDIO

With -6channel Bluetooth amplifier, there is no need to change your original headunit. Connect your smartphone via Bluetooth to the amplifier and playback your favourite music from your smartphone.



FOR THE TECHNOPHILE

With just one USB cable, access your smartphone through the on-board screen. Your ride is now an all-in-one entertainment and internet-ready device on wheels.



FOR THE MINIMALIST

You like your setups to be intuitive and functional. Cut to the chase with this minimalist configuration that provides superb sound reproduction.

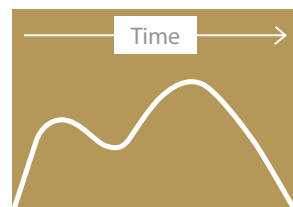
# EXPERIENCE ORIGINAL PERFECTION ON THE GO

Don't just listen to your favourite music. Live it. With hi-res audio quality, every note stays true to the actual recording, immersing you in an aural world that is rich, powerful, and full of life.

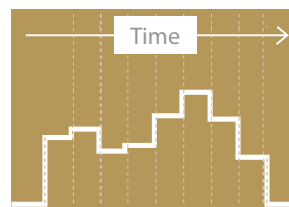


## WHAT IS HIGH-RESOLUTION AUDIO?

High-Resolution Audio (HRA) is created by digitising an original analogue audio source that is recorded at a much higher sampling and bit rate than CDs. The most commonly used specifications are 24bit/96kHz and 24bit/192kHz. This larger amount of recorded data results in music that is closer to the original analogue recording, giving you subtle details, nuances and clarity of sound just as the artist intended.

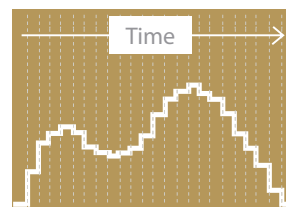


Original Analogue Source



16bit/44.1kHz  
CD Quality Sound

Less detailed – represents sound level at just over 65,000 possible values



24bit/192kHz  
High-Resolution Audio

256x the accuracy of CDs – represents sound level at 16 million possible values

## DIGITAL/ANALOGUE CONVERTER

For your ultimate listening pleasure, RSX-GS9 incorporates ESS Technology's ES9018S – the -32bit digital/analogue converter (DAC) with unparalleled dynamic range and ultra low distortion. The High-Resolution sound reproduction realised with ES9018S gives finer detail and clarity to the music, making it feel as if you are in the actual concert hall or recording studio.

## DSD<sup>1</sup> NATIVE PLAYBACK

Thanks to the ES9018S, RSX-GS9 is compatible with native DSD playback, making it the world's first<sup>2</sup> DSD playable car audio player. It also supports various other music formats<sup>3</sup> and reproduces audio with unprecedented dynamic range and ultra low distortion.

DSD is a recording format originally designed for Super Audio CDs, which reproduce audio waveforms at much higher quality than conventional audio codecs.  
As of September 2015.  
AIFF, ALAC, DSDIFF, DSF, FLAC and WAV.

## HIGH END AUDIO COMPONENT

Inside the RSX-GS9's strong chassis lies carefully engineered Sony capacitors, operation amps and a clock generator, while a fully shielded digital block minimises electromagnetic interference.

## DSEE HX™

Sony's Digital Sound Enhancement Engine (DSEE HX) technology injects more life into your music by upscaling compressed files<sup>1</sup> to near High-Resolution Audio quality and restoring subtleties from the original recording in order to simulate the sound from a live performance.

AAC, MP3 and WMA.



### 1 RSX-GS9

#### MEDIA RECEIVER WITH BLUETOOTH

Enjoy soaring highs, solid mids, and a thumping bass – all in pristine clarity. The RSX-GS9 is a feat of audio engineering that delivers superb HRA quality, with DSD native playback and DSEE HX upscaling.



### 4 XS-GS1

#### 2.5CM SUPER TWEETERS

Key to the XS-GS1 is how it uses the windshield to reflect sound, creating a flawless reproduction of ultra-high frequencies across a much wider area than conventional super tweeters. Plus, its 2.5cm soft dome diaphragm ensures you enjoy the full HRA experience.



### 7 XS-GS1621C

#### 16CM -2WAY COMPONENT SPEAKERS

Use of MRC (Mica Reinforced Cellular) Aramid Fibre Matrix in the woofer diaphragm boosts rigidity and produces smooth and natural sound. The Bi-amp Terminal further reduces current distortion at high inputs by separating the woofer and tweeter cables.



### 10 XS-GSW121/XS-GSW121D

#### 12" SINGLE/DUAL VOICE COIL SUBWOOFER

The XS-GSW121 are high performance subwoofers that deliver a maximum 2000W of power for unparalleled sound quality. So you can hear bass frequencies you might have missed before on your favourite tunes!



### 2 XM-GS4

#### 4-CHANNEL STEREO AMPLIFIER

Enjoy every track – yes, even HRA files! – with 700W audio power and up to 100kHz frequency response with the XM-GS4. This amplifier's premium circuit components work efficiently to reproduce pitch-perfect sounds for the ultimate listening experience.



### 5 XS-GS1631C

#### 16CM -3WAY COMPONENT SPEAKERS

With a front baffle tweeter design that is optimised for a wider field of dispersion, and a dedicated mid-range driver for clearer vocal reproduction, the XS-GS1631C is made to let you truly enjoy your music to its fullest.



### 8 XS-GS1621

#### 16CM -2WAY COAXIAL SPEAKERS

The Bi-amp terminal of the XS-GS1621 reduces current disruption at higher inputs, while the use of separate amplifiers lets you control output levels individually. Its smaller tweeter and shallower woofer basket also reduces physical interference with the factory speaker grills.



### 3 XM-GS100

#### CLASS-D MONO AMPLIFIER

With an integrated active thermal control, the XM-GS100 self-regulates its operating temperature for stable, long-term playback even at high volumes. Distortion is suppressed for clear bass reproduction, while the compact frame is versatile enough for multiple mounting options.



### 6 XS-GS6921

#### 6X-2" 9WAY COAXIAL SPEAKERS

Experience smooth and natural sounds with the XS-GS6921's MRC Kevlar Fibre Matrix Woofer with improved diaphragm rigidity. The shallower basket of the woofer and increased wiring flexibility also gives you more in-vehicle installation options.



### 9 XS-GSW101

#### 10" SINGLE VOICE COIL SUBWOOFER

Enjoy powerful bass frequencies with the XS-GSW101. These power-packed subwoofers deliver up to 1800W of raw power to let you experience your music like never before.





## AV PLAYERS & AUDIO PLAYERS



## BE MORE CONNECTED THAN EVER BEFORE

Experience more than just richer sounds and vibrant visuals. Our AV and audio players also connect seamlessly with your smartphone to give you access to streaming content, information and media. And it's all hands-free!



### APPLE CARPLAY



Apple CarPlay<sup>1</sup> integrates your iPhone® seamlessly with your audio system so you can make calls, send messages and get directions and real time traffic updates from Apple Maps<sup>2</sup>. You can also use touch or voice commands to play music or stream from Apple Music or Spotify.

<sup>1</sup>Available in selected regions only.

<sup>2</sup>Apple Maps is not available in India, Saudi Arabia, Thailand and the United Arab Emirates.



### ANDROID AUTO

Connect to your Android device with Android Auto<sup>1</sup> to control music playback, send messages, take calls or navigate and get real time traffic updates with Google Maps™. You can also use touch or voice commands to do things like play music or stream from Google Play Music or Spotify.

<sup>1</sup>Available in selected regions only.



### SIRI® EYES FREE (VOICE CONTROL)

Access Siri on your iOS device<sup>1</sup> via the audio system and hear Siri's response through your car's speakers. Ask questions, make phone calls, select music, compose messages, get directions, read notifications and more — all without ever taking your eyes off the road. To minimise distractions, Siri Eyes Free operates without lighting up your smartphone screen.

<sup>1</sup>Siri is available on iPhone 4S or later, iPad® with Retina display, iPad mini™ and iPod touch® (5th generation or later) and requires internet access. Available functions may vary according to iOS versions.

## AV PLAYERS & AUDIO PLAYERS

### SONY MUSIC CENTER



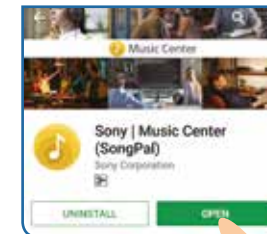
The center for all music lovers - Do you want to fully enjoy music whether at home or out and about? Then this Sony app is exactly what you've been waiting for. The Music Center app will singlehandedly enable you to listen to Hi-Res sound sources in excellent audio quality. You can also connect to other Sony audio devices to play music in the best possible sound field, with the settings optimised for each individual device.

Follow these simple steps to get started.

#### 1 INSTALL MUSIC CENTER



Download Music Center via Google Play or The App Store



Tap to install

#### 2 PAIR YOUR SMARTPHONE WITH THE CAR AUDIO SYSTEM AND ACTIVATE MUSIC CENTER



Touch the back of your smartphone to the NFC logo (your smartphone screen should be turned on) for instant Bluetooth connection or disconnection.

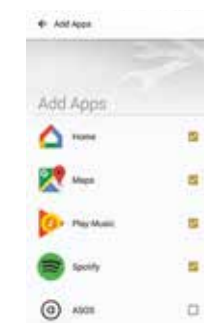
NFC compatible models only. Other models pair with Bluetooth manually.



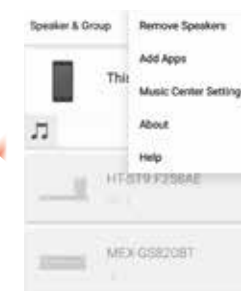
iPhone: Download Music Center from the App Store and connect your iPhone to the receiver via USB to activate the app. Scan the QR codes to download Music Center



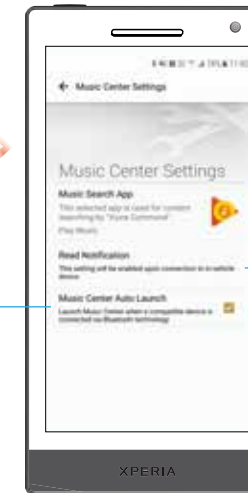
#### 3 SET UP YOUR SMARTPHONE



Select apps to be controlled Music Center



Check if you want Music Center to auto launch when Bluetooth connection is detected



Select message read out option



#### 4 CONTROL YOUR MUSIC FROM YOUR SMARTPHONE



Select your car audio playback source from your Smartphone



Customise your sound and display setting from the convenience of your Smartphone

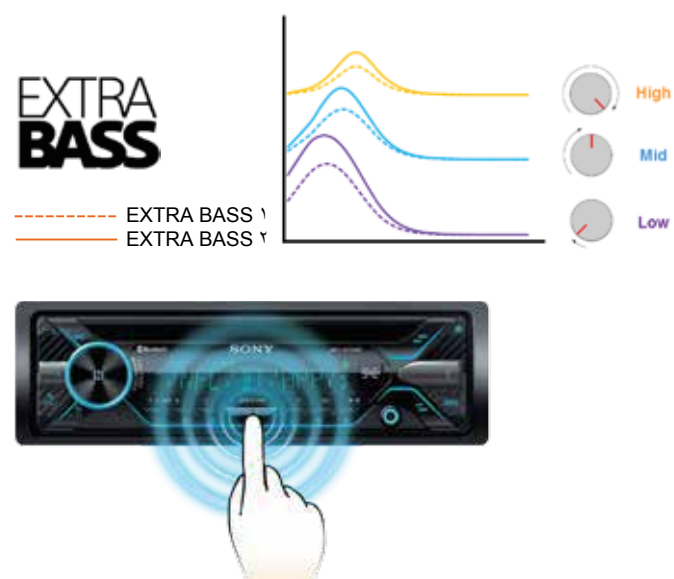






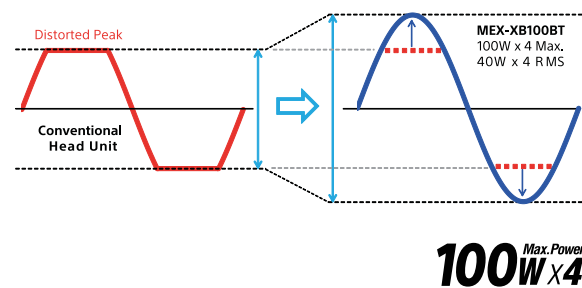
## PERFECTION GETS BETTER

You'll love your favourite music even more when the sound is enhanced by superior audio technology. Reproductions are super-clear, while bass lines stay powerful at any volume level.



### EXTRA BASS™

Just press the dedicated EXTRA BASS key in the middle of the front panel to feel earth rumbling, deep, loud bass sounds. EXTRA BASS overcomes engine noise and reproduces clear punchy sound at any volume, while its 2-mode boost steps has boost settings that range from delicate to heavy. There is even an option for illumination that pulses to the beats.



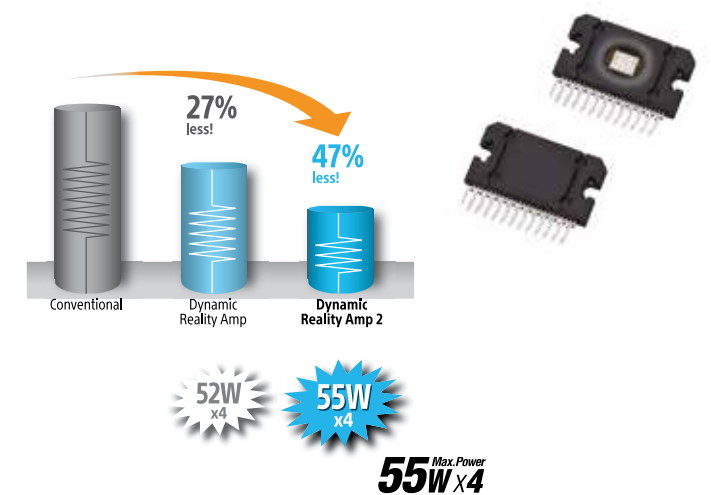
### HIGH POWER

Sony's MEX-GS820BT has a built-in 4-channel class-D amplifier that delivers an incredible 100W x 4 maximum output power to your speakers. Your music is reproduced with ultimate clarity and power even when the volume is at full blast. The receiver's redesigned power supply block is now close to both the power input terminal and digital amplifier block. This minimises noise so you can enjoy your favourite tracks without interruption, and maximises power efficiency while still delivering incredible performance.



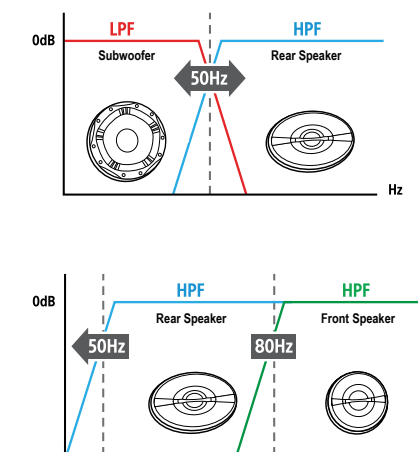
### DYNAMIC STAGE ORGANISER

For speakers installed in the lower part of the vehicle door, the sound comes from below and may be unclear. The Dynamic Stage Organiser (DSO) creates a sound image that simulates having virtual speakers above the dashboard. It corrects the sound image's vertical position and allows you to choose from 4 options: OFF/Low/Middle/High.



### DYNAMIC REALITY AMP 2

Sony's original Dynamic Reality Amp is a power IC designed to reduce distortion and maintain fidelity of the original audio source. Dynamic Reality Amp 2 (DRA2) incorporates a fully symmetrical differential input circuit with %47 lower internal resistance when compared to conventional products. This results in excellent reproduction of small sounds, while giving better clarity and increased output power.



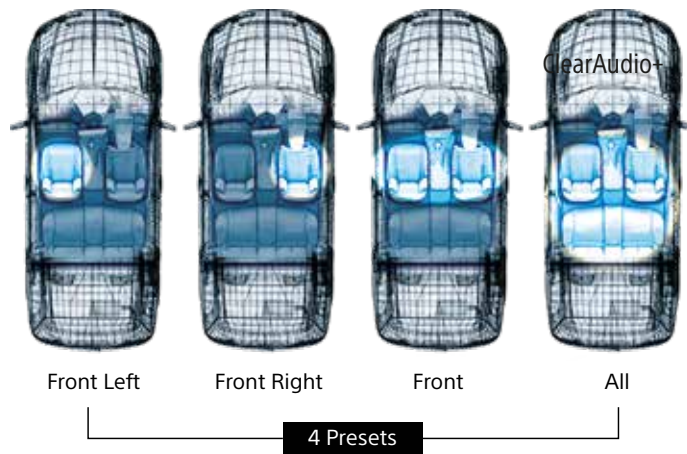
### DIGITAL HIGH-PASS FILTER/LOW-PASS FILTER

To realise the full benefits of your speakers and front sound stage, they need to be sent the appropriate musical frequencies. High-pass filters send the highest frequencies to full-range speakers while low-pass filters send deep bass to the subwoofers.





## AV PLAYERS & AUDIO PLAYERS



### TIME ALIGNMENT

Our time alignment<sup>1</sup> feature lets you customise the sound based on your in-car environment. It has 4 different presets for front and rear speakers, as well as 3 different ones for subwoofers. You now have more options when creating the perfect soundstage, regardless of your car's layout.

<sup>1</sup>Available in selected models only.



### MUSIC AND LED LIGHT SYNCHRONISATION

WITH -2ZONE DYNAMIC COLOR ILLUMINATOR <sup>1</sup>

The Dynamic Colour Illuminator has up to 35,000 permutations of coloured lights that pulse to your favourite songs with Sony's original beat sensing technology. Customise the display and key illumination colours to create a party atmosphere in your car.

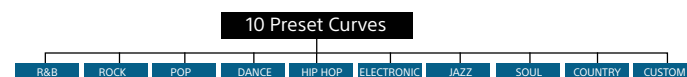
<sup>1</sup>Available in selected models only.

### ClearAudio+

Optimise your audio's digital signal with Sony's recommended sound settings for in-car listening. Just turn ClearAudio+ on to change the sound settings automatically.

### -10Band Digital Equaliser **EQ10**

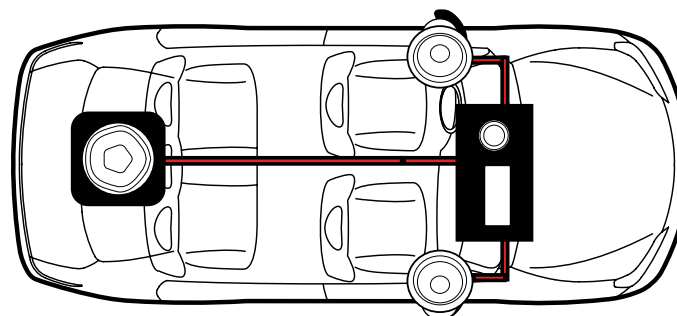
The -10band equaliser (EQ10) has 10 presets for easy and effective frequency adjustments in a variety of listening environments.



### ADVANCED SOUND ENGINE

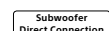


This sound chip packs plenty of features into its small compact frame, giving you full control over your audio settings.



Connect subwoofer to either left or right side of REAR channels

### SUBWOOFER DIRECT CONNECTION



Enjoy the benefits of a subwoofer without having to use an external amplifier. This affordable 2.1 channel front staging sound field system can adjust to the wide range of settings available within the advanced sound engine.

## VISUALS



### Link to your best in-car experience

You deserve more than just great music on the road. With the new WebLink™ Cast feature, Sony's latest in-car media receivers offer better connectivity experience with your smartphone and cutting-edge functionality that elevate the in-car experience.



### Immerse yourself in crystal clear sound

Sony's in-car media receivers deliver powerful audio performance boosted with unique-to-Sony audio features such as EXTRA BASS™ Dynamic Stage Organizer (DSO) to enhance your music-listening experience. Other audio settings includes 10-band equalizer (EQ10) with 10 pre-sets and high voltage pre-out for easy expansion with other audio components to make the most of your audio system.

## Transform your car into a smartphone on wheels

The in-car media receivers connect seamlessly with both Apple CarPlay and Android Auto™ to give you more functionality, including access to navigation, phone calls, weather, text messages and all your music through simple controls.





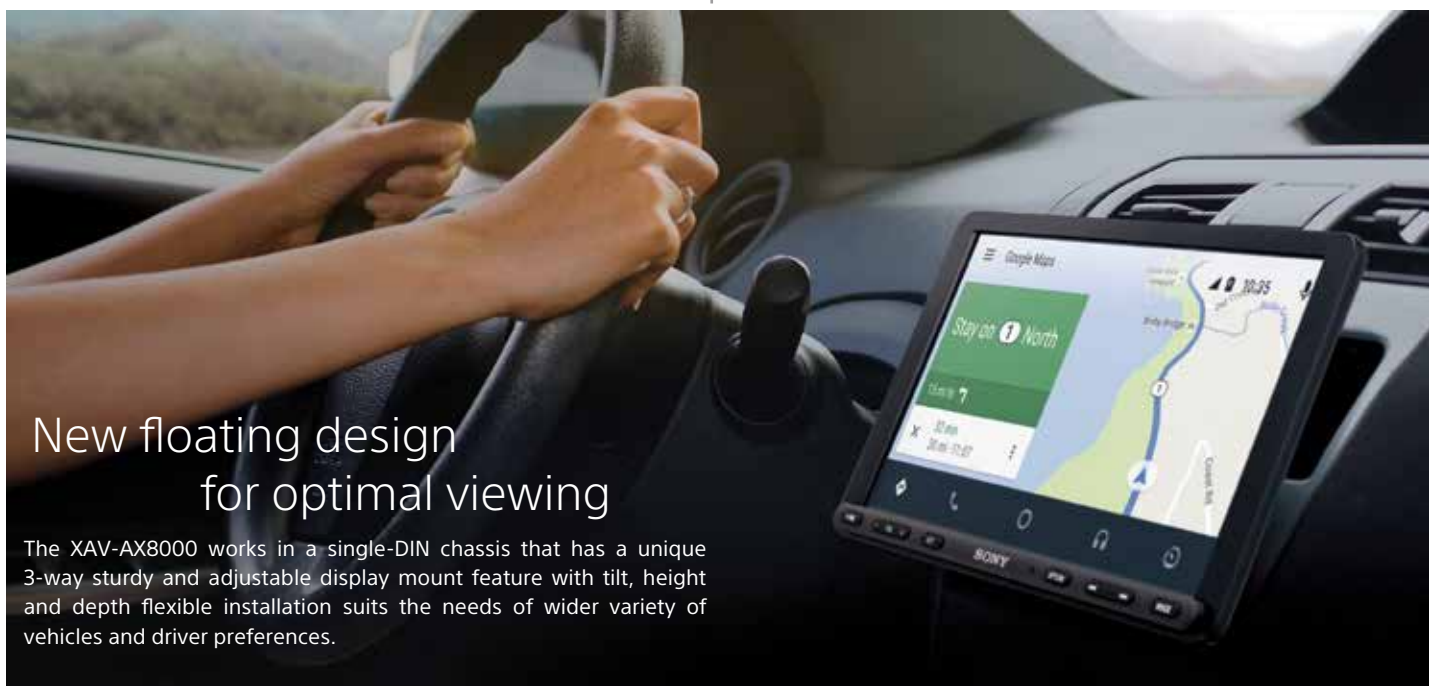


## Put your smartphone on display

The new WebLink Cast feature has the capability to mirror smartphone screen on the in-car display for reliable, responsive infotainment anytime on the road. It puts your phone's content at your fingertips.

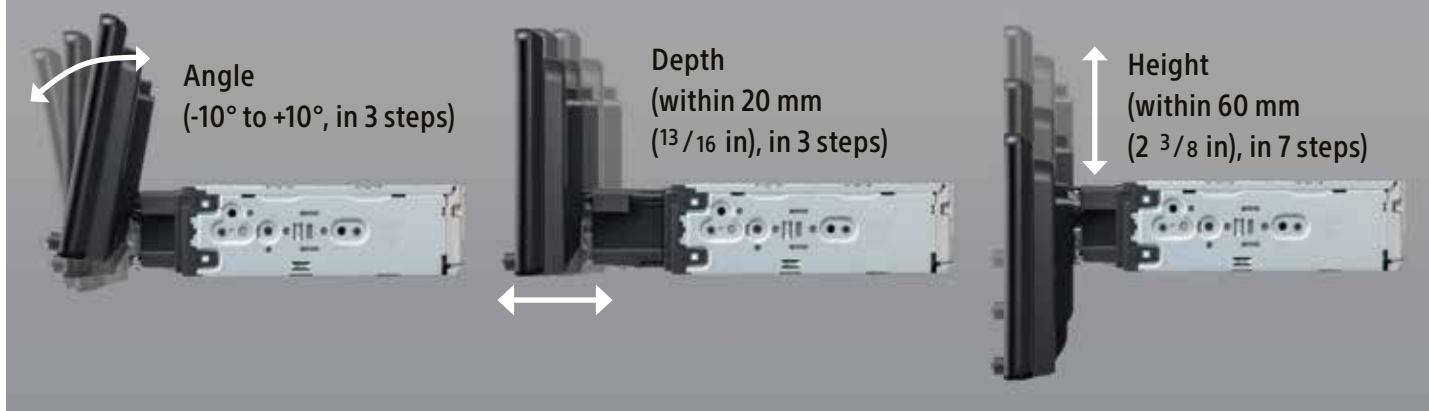
## Designed for functionality, made for usability

The clear and responsive display with an intuitive user interface offer greater versatility and function. The media receivers are also rear view camera ready with customisable guidelines enabling you to reverse safely and easily.



## New floating design for optimal viewing

The XAV-AX8000 works in a single-DIN chassis that has a unique 3-way sturdy and adjustable display mount feature with tilt, height and depth flexible installation suits the needs of wider variety of vehicles and driver preferences.



## XAV-AX8000/8050D

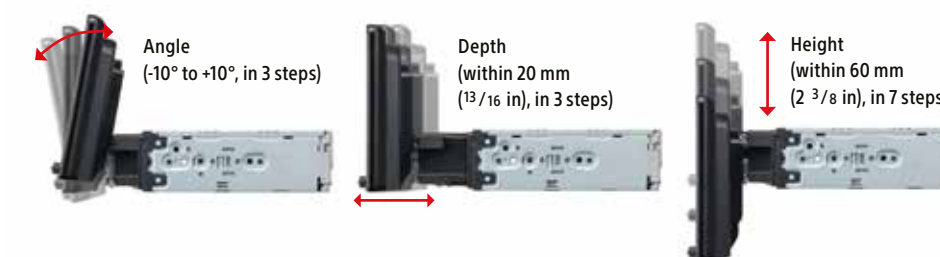
### 8.95" MEDIA RECEIVER WITH BLUETOOTH®

A big display, full smartphone connectivity-in a single DIN installation

- Anti-glare Resistive Touch Panel
- 55W × 4 maximum power
- EXTRA BASS
- 10-band equaliser (EQ10)
- Dynamic Stage Organiser (DSO)
- 3 × 5-volt pre-outs
- Bluetooth connectivity
- Android Auto\*
- Rear USB port
- Apple Carplay\*
- WebLink Cast
- Audio Playback: PCM, MP3, WMA, AAC, FLAC
- Video Playback: MPEG4-SP, AVC(H.264 Baseline), WMV, MKV, XviD
- Configurable steering wheel remote input
- Rear view camera ready
- 3-way adjustable mount in a single-DIN



XAV-AX8050D: DAB with RDS, w/o remote control.



\*Available in select countries

## XAV-AX5500/5550D

### 6.95" MEDIA RECEIVER WITH BLUETOOTH®

More screen, more intuitive

- Capacitive Touch Panel
- Dual rear USB port
- 55W × 4 maximum power
- EXTRA BASS
- 10-band equaliser (EQ10)
- Dynamic Stage Organiser (DSO)
- 3 × 5-volt pre-outs
- Bluetooth connectivity
- Android Auto\*
- Apple Carplay\*
- WebLink Cast
- Audio Playback USB1: PCM, MP3, WMA, AAC, FLAC
- Audio Playback USB2: MP3, WMA, FLAC
- Video Playback USB1: MPEG4-SP, AVC (H.264 Baseline), WMV, MKV, XviD
- Configurable steering wheel remote input
- Rear view camera ready



XAV-5550D: DAB with RDS, w/o remote control.

\*Available in select countries



# XAV-3500

## 6.95" MEDIA RECEIVER WITH BLUETOOTH®

### Superior entertainment and navigation

- Anti-glare Resistive Touch Panel
- 55W × 4 maximum power
- EXTRA BASS
- 10-band equaliser (EQ10)
- Dynamic Stage Organiser (DSO)
- 3 × 5-volt pre-outs
- Bluetooth connectivity
- WebLink Cast
- Rear USB port
- Audio Playback: PCM, MP3, WMA, AAC, FLAC
- Video Playback: MPEG4-SP, AVC (H.264 Baseline), WMV, MKV, XviD
- Configurable steering wheel remote input
- Rear view camera ready



# XAV-AX200

## 6.4" DVD RECEIVER WITH BLUETOOTH

- 55W x 4 max. power
- EXTRA BASS
- 3 x 4 volt pre out
- 10-band equaliser
- Dynamic Stage Organiser
- High-pass filter/low-pass filter
- Bluetooth connectivity
- Android Auto and Apple Carplay enabled\*
- Audio Playback: WAV, MP3, WMA, M4A, FLAC
- Video Playback: MPEG4-SP, WMV, MKV, FLV
- Rear view camera ready with 3 camera input
- DVD playback with video output
- Configurable steering wheel remote input

\*Available in select countries



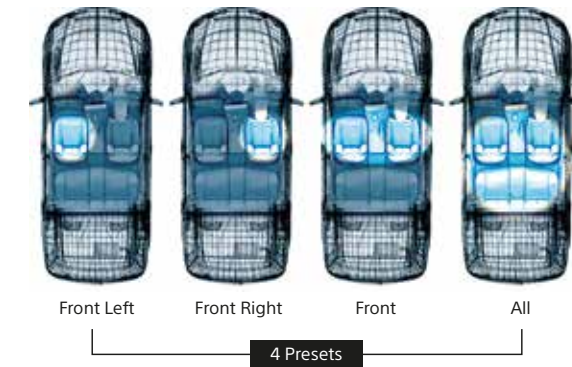
# XAV-1500

## 6.2" MEDIA RECEIVER WITH BLUETOOTH®

- Anti-glare Resistive Touch Panel
- 55W × 4 maximum power
- EXTRA BASS
- 10-band equaliser (EQ10)
- Dynamic Stage Organiser (DSO)
- 3 × 2-volt pre-outs
- Bluetooth connectivity
- WebLink Cast
- Audio Playback: PCM, MP3, WMA, AAC, FLAC
- Video Playback: MPEG4-SP, AVC (H.264 Baseline), WMV, MKV, XviD
- Configurable steering wheel remote input
- Rear view camera ready



## AUDIO PLAYERS

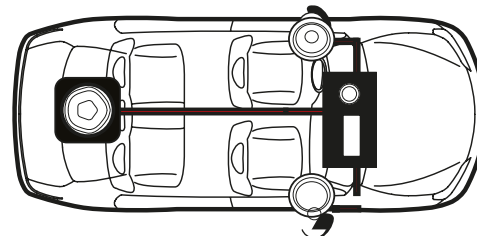


### TIME ALIGNMENT

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Available in selected models only.

### SUBWOOFER DIRECT CONNECTION



Connect subwoofer to either left or right side of REAR channels

Enjoy the benefits of a subwoofer without having to use an external amplifier. This affordable 2.1 channel front staging sound field system can adjust to the wide range of settings available within the advanced sound engine.

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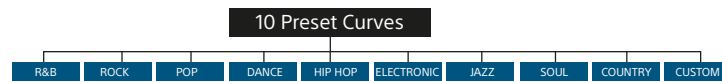
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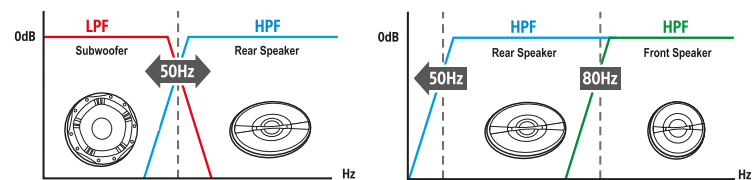


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### DYNAMIC REALITY AMP 2

**55W** Max Power **×4**

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RSX-GS9

MEDIA RECEIVER WITH BLUETOOTH



- DSEE HX
- High-pass filter/low-pass filter
- 10-band equaliser
- 32-bit ESS DAC
- Time alignment
- Bluetooth and NFC connectivity
- AAC, AIFF, ALAC, DSDIFF, DSF, FLAC, MP3, WAV, WMA playback
- Super rigid dual-layer chassis with aluminium front panel

DSX-B700

BLUETOOTH® MEDIA RECEIVER



- Dual\* Bluetooth® Connection
- Voice Control On Android™ Phones
- Siri Eyes Free (For iPhone)
- Synchronized Source Integration
- Built-in High Power Amplifier
- EXTRA BASS
- 3 pre out
- 10-band Equalizer with Preset Karaoke Setting
- FLAC Audio File Compatible
- Digital High Pass / Low Pass Filters
- AOA 2.0 Compatible USB Terminal
- Sound-synchronized Illumination with Dynamic Color Illuminator \*
- High Contrast Vertical Alignment LCD Display

MEX-N5300BT

CD RECEIVER WITH BLUETOOTH



- 55W x 4 max. power
- EXTRA BASS
- 3 Pre Out
- 10-band equaliser
- High-pass filter/low-pass filter
- Dual Bluetooth and NFC connectivity
- Android Open Accessory 2.0
- MP3, WMA, FLAC, AAC playback
- Dynamic Colour Illuminator (2-zone)
- Sound synchronised illumination
- Configurable steering wheel remote input
- Separate microphone inclusion

WX-920BT

CD RECEIVER WITH BLUETOOTH



EC10 EXTRA BASS

Siri® Eyes Free



- 55W x 4 max. power
- Dual Bluetooth® and NFC connectivity
- EXTRA BASS
- 3 pre out
- 10-band equaliser
- High-pass filter/low-pass filter
- MP3, WMA, FLAC audio playback
- Intuitive 3-line Graphical User Interface
- Sound-synchronized Illumination with Dynamic Color Illuminator
- High Contrast Vertical Alignment LCD Display
- AOA 2.0 Compatible USB Terminal
- Configurable Steering Wheel Remote Input

DSX-GS80

BLUETOOTH® HIGH POWER MEDIA RECEIVER



- 100W x 4 max. power
- EXTRA BASS
- Dual\* Bluetooth® Connection
- Voice Control on Android™ Phones
- Siri Eyes Free (for iPhone)
- 3 Pre Out - 5V
- 2-zone Dynamic Color Illuminator\*
- High Contrast Vertical Alignment LCD Display
- Backup Memory
- Android Open Accessory 2.0
- MP3, WMA, FLAC, AAC playback
- Dynamic Colour Illuminator (2-zone)
- Sound synchronised illumination
- Configurable steering wheel remote input
- Subwoofer Direct Connection

MEX-N4300BT

CD RECEIVER WITH BLUETOOTH



- 55W x 4 max. power
- EXTRA BASS
- Rear+Sub Pre Out
- 10-band equaliser
- High-pass filter/low-pass filter
- Bluetooth connectivity
- Android Open Accessory 2.0
- MP3, WMA, FLAC, AAC playback
- Sound synchronised illumination
- Configurable steering wheel remote input
- Built-in Microphone

CDX-G3200UV

CD RECEIVER WITH USB



- 55W x 4 max. power
- EXTRA BASS
- 2 pre out
- 10-band equaliser
- High-pass filter/low-pass filter
- Android Open Accessory 2.0
- MP3, WMA, FLAC playback
- Dynamic colour illuminator (2-Zone)
- Sound synchronised illumination
- Configurable steering wheel remote input

DSX-A416BT

MEDIA RECEIVER WITH BLUETOOTH



- 55W x 4 max. power
- EXTRA BASS
- 3 Pre Out
- 10-band equaliser
- Dual Bluetooth and NFC connectivity
- MP3, WMA, FLAC playback
- High-pass filter/low-pass filter
- Android Open Accessory 2.0
- Configurable steering wheel remote input
- Dynamic Colour Illuminator (2-zone)
- Sound synchronised illumination

DSX-210UI

MEDIA RECEIVER WITH USB



- 55W x 4 max. power
- EXTRA BASS
- 10-band equaliser
- MP3, WMA, FLAC playback
- 1 Pre out
- without remote control
- Android Open Accessory 2.0
- Configurable Steering Wheel Remote Input
- Sound-synchronised Illumination
- RDS

CDX-G1200U/CDX-G1201U/CDX-G1202U

CD RECEIVER WITH USB



- 55W x 4 max. power
- EXTRA BASS
- 2 pre out
- 10-band equaliser
- High-pass filter/low-pass filter
- Android Open Accessory 2.0
- MP3, WMA, FLAC playback
- Sound synchronised illumination: Red (G1200U)
- Sound synchronised illumination: Blue (G1201U)
- Sound synchronised illumination: white (G1202U)
- Configurable steering wheel remote input

DSX-A410BT

MEDIA RECEIVER WITH BLUETOOTH



- 55W x 4 max. power
- EXTRA BASS
- 2 pre out
- 10-band equaliser
- Dual Bluetooth and NFC connectivity
- WMA, MP3, FLAC playback
- High-pass filter/low-pass filter
- Android Open Accessory 2.0
- Configurable Steering Wheel Remote Input
- Sound-synchronised Illumination
- Built-in Microphone

DSX-A110U/DSX-A110UW

MEDIA RECEIVER WITH USB



- 55W x 4 max. power
- EXTRA BASS
- 1 pre out
- 10-band equaliser
- MP3, WMA, FLAC playback
- Sound synchronised illumination: Red (A1100U)
- Sound synchronised illumination: White (A1100UW)





# SPEAKERS

## ENRICH YOUR LISTENING PLEASURE

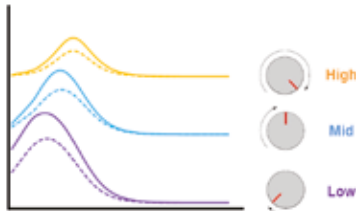
Built with our best audio reproduction technologies and crafted from top quality materials, our speakers will boost your car audio experience with strong basses, robust mids and clear trebles. Your favourite tunes have never sounded so good.



### EXTRA BASS

EXTRA BASS

EXTRA BASS 1  
EXTRA BASS 2

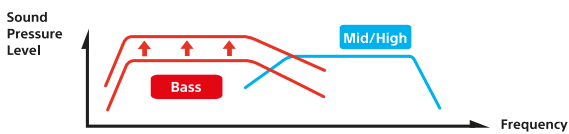


Connect XB speakers directly to compatible Sony high power head units with built-in 100W x 4 amplifier and EXTRA BASS. Your system will be as powerful as having a stand-alone subwoofer and amplifiers.

### BI-AMP



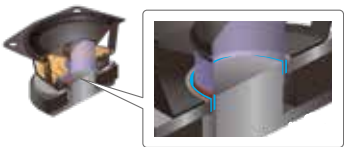
Get the same sound clarity even when you play your music loud. Bi-amp terminals separate woofer and tweeter cables and reduce distortion so you can enjoy more powerful sound across low and high frequencies. It reduces the likelihood of amplifier overload and phase response, while transients are cleaner and help to achieve more open sound.



### MAGNETIC FLUID SPEAKERS

Ferrofluid in Sony's patented magnetic fluid speakers greatly reduce distortion even at high volumes, so even smaller compact speakers can deliver a whole lot more power for that perfect in-car stereo system.

#### MAGNETIC FLUID SPEAKER



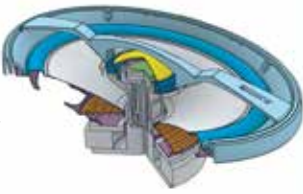
### HIGHLY ORIENTED POLYOLEFIN WOOFERS

Sony's patented Highly Oriented Polyolefin (H.O.P.) material has earned a ringing endorsement from car entertainment enthusiasts, for its ability to produce super tight, accurate and powerful bass. Combining H.O.P. with aramid and carbon fibres minimises distortion across all frequencies, giving you clean and powerful sound even when the volume is cranked up to the max.



### MRC ARAMID FIBER MATRIX DIAPHRAGM

MRC (Mica Reinforced Cellular) is Sony's original material for speaker diaphragm to realise high rigidity and light weight with optimal internal loss. Now, combined with aramid fiber, this new generation of the woofer diaphragm boasts improved rigidity and at the same time, smooth and natural sound characteristics.



Cross diagram of XS-GS6921

### MULTI-LAYERED MRC

To get even more precise bass, we have beefed up our original MRC material with a high modulus surface layer. This way, you can now enjoy the best of both worlds with in-car speakers that have incredibly low bass as well as impressive strength and rigidity.



## XS-GS1

### 2.5CM SUPER TWEETERS



- 320W max. power
- 120W CEA RMS power
- Front facing smooth sloped baffle
- Soft dome diaphragm
- Dedicated high-pass filter network boxes for frequencies over 20kHz

## XS-GS1631C

### 16CM 3-WAY COMPONENT SPEAKERS



- 320W max. power
- 120W CEA RMS Power
- MRC Aramid Fiber Matrix Diaphragm
- Optimised front baffle tweeter design with smooth slope for wider dispersion.
- Midrange driver for clear vocal reproduction
- Rubber Surround
- Heat resistant voice coil
- Progressive height rate spider
- Bi-amp terminal

## XS-GS1621C

### 16CM 2-WAY COMPONENT SPEAKERS



- 320W max. power
- 120W CEA RMS Power
- MRC Aramid Fiber Matrix Diaphragm
- Soft dome tweeter
- Rubber surround
- Heat-resistant voice coil
- Progressive height rate spider
- Bi-amp terminal

## XS-GS6921

### 6x9" 2-WAY COAXIAL SPEAKERS



- 400W max. power
- 120W CEA RMS power
- MRC Aramid Fiber Matrix Diaphragm
- Soft dome tweeter
- Rubber surround
- Heat-resistant voice coil
- Progressive height rate spider
- Bi-amp terminal

## XS-GS1621

### 16CM 2-WAY COAXIAL SPEAKERS



- 320W max. power
- 110W CEA RMS Power
- MRC Aramid Fiber Matrix Diaphragm
- Soft dome tweeter
- Rubber surround
- Heat-resistant voice coil
- Progressive height rate spider
- Bi-amp terminal

## XS-XB6951

### 6x9" 5-WAY COAXIAL SPEAKERS



- 650W max. power
- 100W CEA RMS Power
- 2nd generation H.O.P. Aramid Carbon Fibre Matrix cone woofer
- Acoustic equaliser
- PEI mid-range diaphragm
- Rubber surround with stroke stabiliser
- Optimally shared tweeter
- 2 super tweeters
- Heat-resistant voice coil
- Progressive height rate spider
- Compatible with EXTRA BASS head units



XS-XB6941

6x9" 4-WAY COAXIAL SPEAKERS



- 650W max. power
- 100W CEA RMS Power
- 2nd generation H.O.P. Aramid Carbon Fibre Matrix cone woofer
- Acoustic equaliser
- PEI mid-range diaphragm
- Rubber surround with stroke stabiliser
- Optimally shared tweeter
- 1 super tweeter
- Heat-resistant voice coil
- Progressive height rate spider
- Compatible with EXTRA BASS head units

XS-XB1651

16CM 5-WAY COAXIAL SPEAKERS



- 350W max. power
- 60W CEA RMS Power
- 2nd generation H.O.P. Aramid Carbon Fibre Matrix cone woofer
- Acoustic equaliser
- PEI mid-range diaphragm
- Rubber surround with stroke stabiliser
- PEI tweeter
- 2 super tweeters
- Heat-resistant voice coil
- Progressive height rate spider
- Compatible with EXTRA BASS head units

XS-XB1641

16CM 4-WAY COAXIAL SPEAKERS



- 350W max. power
- 60W CEA RMS Power
- 2nd generation H.O.P. Aramid Carbon Fibre Matrix cone woofer
- Acoustic equaliser
- PEI mid-range diaphragm
- Rubber surround with stroke stabiliser
- PEI tweeter
- 1 super tweeter
- Heat-resistant voice coil
- Progressive height rate spider
- Compatible with EXTRA BASS head units

XS-XB1621C

16CM 2-WAY COMPONENT SPEAKERS



- 350W max. power
- 60W CEA RMS Power
- 2nd generation H.O.P. Aramid Carbon Fibre Matrix cone woofer
- Rubber surround with stroke stabiliser
- Heat-resistant voice coil
- Progressive height rate spider
- Passive crossover network
- Soft silk dome tweeter
- Compatible with EXTRA BASS head units

XS-GTF6939

6x9" 3-WAY COAXIAL SPEAKERS



- 420W max. power
- 60W CEA RMS power
- Mica Matrix cone woofer
- PEI cone tweeter
- PEI dome super tweeter
- Rubber surround
- Progressive height rate spider

XS-GTF1639

16cm 3-WAY COAXIAL SPEAKERS



- 270W max. power
- 45W CEA RMS power
- HOP Aramid Carbon Fiber Matrix cone woofer
- PEI balanced dome tweeter
- PEI dome super tweeter
- Rubber surround
- Progressive height rate spider

XS-GTF1339

13CM 3-WAY COAXIAL SPEAKERS



- 230W max. power
- 35W CEA RMS power
- HOP Aramid Carbon Fiber Matrix cone woofer
- PEI balanced dome tweeter
- PEI dome super tweeter
- Rubber surround
- Progressive height rate spider

XS-GTF1039

10CM 3-WAY COAXIAL SPEAKERS



- 210W max. power
- 30W CEA RMS power
- HOP Aramid Carbon Fiber Matrix cone woofer
- PEI balanced dome tweeter
- PEI dome super tweeter
- Rubber surround
- Progressive height rate spider

XS-K6920

6"x 9" 2-WAY COAXIAL FULL-RANGE



- 260W max. power
- 35W CEA RMS power
- MRC cone woofer
- PEI cone tweeter
- PEI dome super tweeter
- Rubber surround
- Progressive height rate spider

XS-FB6930

6X9" 3-WAY COAXIAL SPEAKERS



- 450W max. power
- 60W CEA RMS power
- MRC cone woofer
- PEI cone tweeter
- PEI dome super tweeter
- Rubber surround
- Progressive height rate spider

XS-FB161E

16CM DUAL CONE SPEAKERS



- 260W max. power
- 45W CEA RMS power
- HOP Aramid Carbon Fiber Matrix cone woofer
- PEI sub-cone
- Rubber surround
- Progressive height rate spider

XS-FB131E

13CM DUAL CONE SPEAKERS



- 230W max. power
- 35W CEA RMS power
- HOP Aramid Carbon Fiber Matrix cone woofer
- PEI sub-cone
- Rubber surround
- Progressive height rate spider

XS-FB101E

10CM DUAL CONE SPEAKERS



- 210W max. power
- 30W CEA RMS power
- HOP Aramid Carbon Fiber Matrix cone woofer
- PEI sub-cone
- Rubber surround
- Progressive height rate spider



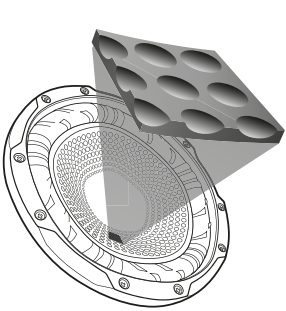


# SUBWOOFERS

## WHEN YOU'RE ALL ABOUT THAT BASS

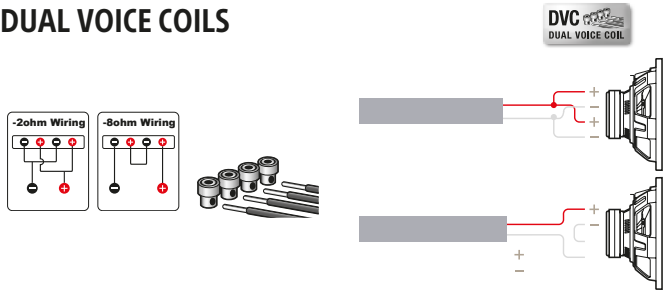
Feel the low-frequency beat of high-impact bass. Our powerful subwoofers fill the audio space with the sonic foundations that make your music come alive. The result is simply awesome sound, no trouble.

### DIMPLED WOOFER CONE



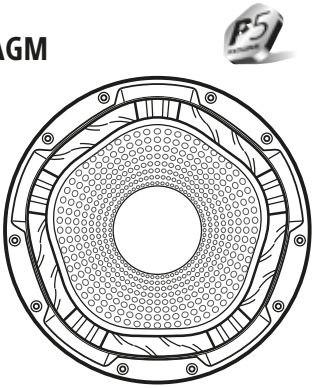
The woofer cone is lightweight yet maintains high SPL bass. Dimples in the cone reduce air drag to produce a more defined bass performance, and are optimally aligned to maintain the cone's rigidity.

### DUAL VOICE COILS



These dual voice coils allow you to wire each one to separate channels on your amplifier, so that you eliminate distortion and ensure that the signal going to each coil is exactly the same.

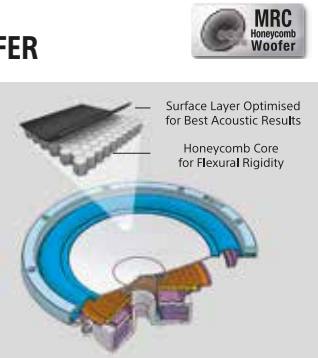
### PENTAGON SHAPED DIAPHRAGM



Enjoy solid bass reproduction from our P5 shape subwoofers. Having a pentagonal form gives our subwoofers higher rigidity, keeping them in shape for optimal performance.

### MRC HONEYCOMB SUBWOOFER

The Mica Reinforced Cellular honeycomb shaped fibre base gives our subwoofers 10 times more flexural rigidity than with regular diaphragm material, so you get astonishingly precise bass and exceptionally low distortion.



## XS-GTX122LT

### 12" SUBWOOFER WITH TUBE ENCLOSURE

- 1350W max.power
- 350W CTA RMS power
- Optimised enclosure material realised light-weight construction while shape effect of the tube design gives astonishing build strength.



## XS-GSW101

### 10" SINGLE VOICE COIL SUBWOOFER

- 1800W max. power
- 450W CEA RMS Power
- MRC honeycomb woofer
- Heat resistant voice coil with double spider suspension system



## XS-GSW121

### 12" SINGLE VOICE COIL SUBWOOFER

- 2000W max. power
- 500W CEA RMS power
- MRC honeycomb woofer
- Heat resistant voice coil with double spider suspension system



## XS-GSW121D

### 12" DUAL VOICE COIL SUBWOOFER

- 2000W max. power
- 520W CEA RMS power
- MRC honeycomb woofer
- Heat resistant voice coil with double spider suspension system
- 2Ω load compatible with dual voice coils for increased SPL



## XS-NW1200

### 12" SINGLE VOICE COIL SUBWOOFER

- 1800W max. power
- 420W CEA RMS power
- Pentagon-shaped diaphragm
- Dimpled woofer cone
- Surround with stroke stabiliser
- Heat-resistant voice coil



## XS-NW1202E

### 12" SUBWOOFER WITH BOX ENCLOSURE

- 1800W max. power
- 420W CEA RMS power
- Pentagon-shaped diaphragm
- Dimpled woofer cone
- Surround with stroke stabiliser
- Heat-resistant voice coil
- MDF Sony enclosure
- Gold-plated 5-way binding post terminals



## XS-GTR121LD

### 12" DUAL VOICE COIL SUBWOOFER

- 2000W max. power
- 420W rated power
- Pentagon-shaped diaphragm
- Thermoplastic olefin surround
- Dimpled woofer cone
- 2Ω load compatible with dual voice coils for increased SPL



## XS-GTR121L

### 12" SINGLE VOICE COIL SUBWOOFER

- 2000W max. power
- 400W rated power
- Pentagon-shaped diaphragm
- Thermoplastic olefin surround
- Dimpled woofer cone







# AMPLIFIERS

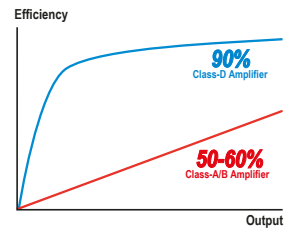
## AMP IT TO THE MAX

Getting the most out of your car audio system is easy with these high-powered amplifiers. With superb performance and efficiency, it's time to crank it up!

### CLASS-D AMP

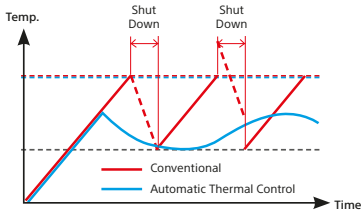
Traditional class AB amplifiers convert 50 to 60% of incoming power into speaker output while the rest dissipates as heat. Sony's Class-D amplifiers convert power far more efficiently, with 90% for speaker output, so even small amplifiers like the XM-S400D deliver incredible power.

Power Efficiency of Class-D Amplifier



### AUTOMATIC THERMAL CONTROL

Automatic thermal control lowers the amplifier's output to prevent the unit from shutting down when overheated, so you can enjoy your music without interruption.



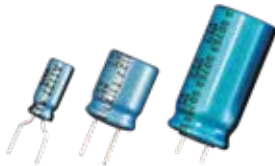
### EFFICIENT COOLING DESIGN

The Unique Thermal Control Design provides cooling air circulation that ensures stable and powerful sound reproduction.



### HIGH QUALITY COMPONENTS

Components such as audio capacitor, output transistor, choke coil are carefully selected for high quality sound as well as reliability.



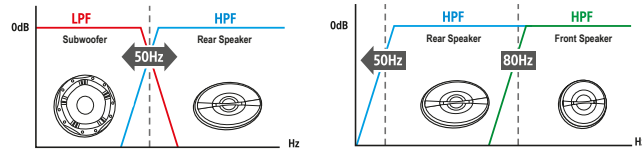
### CEA COMPLIANT

We are very serious about quality control for all our products. Our quality seal ensures that our amplifiers' output ratings comply with the latest industry standards.



### VARIABLE HIGH-PASS FILTER/LOW-PASS FILTER

To realise the full benefits of your speakers and front sound stage, they need to be sent the appropriate musical frequencies. High-pass filters send the highest frequencies to full-range speakers while low-pass filters send deep bass to the subwoofers. A variable filter lets you set the frequency at which the music transitions from full-range speakers to subwoofer.



### SINGLE SIDED CONNECTIONS

Single sided connections provide flexible installation and multiple mounting options.



## XM-GS6DSP

### 6-CHANNEL BLUETOOTH AMPLIFIER



- 100W×4 (Front / Rear), 200W×2 (Subwoofer) max. output (4Ω)
- 600W (Subwoofer) max. power output (4Ω BTL)
- 300W×2 (Subwoofer), 1100W×1 (Subwoofer Bridged) max. power output (2Ω)
- 45W×4 (Front / Rear), 90W×2 (Subwoofer) rated output (4Ω)
- 350W (Subwoofer) at 1kHz rated output (4Ω BTL)
- 175W×2 (Subwoofer) at 1kHz, 600W×1 (Subwoofer) at 1kHz rated output (2Ω)
- 20-20 kHz (Front / Rear) 20-10kHz (Subwoofer) frequency response
- Bluetooth connectivity
- Line In / High level input
- Compatible with Sony Music Center

## XM-GS4

### 4-CHANNEL STEREO AMPLIFIER



- 175W x 4 max. output (2Ω)
- 150W x 4 / 350W x 2 (BTL) max. output (4Ω)
- 80W x 4 rated output (2Ω)
- 70W x 4 / 160W x 2 (BTL) rated output (4Ω)
- 10Hz-100kHz frequency response
- Variable high-pass filter/low-pass filter
- High quality electrolytic capacitors
- Noise-resistant potentiometers
- High current MOS FET
- Schottky-barrier diodes

## XM-S400D

### CLASS-D STEREO AMPLIFIER



- 100W x 4 max. output (2Ω)
- 45W x 4 rated output (2Ω)
- 20Hz-20kHz frequency response
- High-pass filter/low-pass filter
- Large, multi-layer polymer capacitors
- High quality inductors with rectangular OFC wires

## XM-GS100

### CLASS-D MONO AMPLIFIER



- 1100W x 1 max. output (2Ω)
- 600W x 1 max. output (4Ω)
- 600W x 1 rated output (2Ω)
- 330W x 1 rated output (4Ω)
- 10Hz-300Hz frequency response
- Variable low-pass filter
- Automatic thermal control
- Dynamic Distortion Suppressor
- Noise-resistant potentiometers
- High current MOS FET
- Schottky-barrier diodes

## XM-N1004

### 4-CHANNEL STEREO AMPLIFIER



- 250W x 4 max. output (2Ω)
- 170W x 4 / 500W x 2 (BTL) max. output (4Ω)
- 85W x 4 rated output (2Ω)
- 70W x 4 / 175W x 2 (BTL) rated output (4Ω)
- 5Hz-50kHz frequency response
- High-pass filter/low-pass filter
- Automatic thermal control

## XM-N502

### 2-CHANNEL STEREO AMPLIFIER



- 210W x 2 max. output (2Ω)
- 150W x 2 / 500W x 1 (BTL) max. output (4Ω)
- 85W x 2 rated output (2Ω)
- 65W x 2 / 175W x 1 (BTL) rated output (4Ω)
- 5Hz-50kHz frequency response
- Low-pass filter
- Automatic thermal control






# MARINE SERIES

## RAVE ON THE WAVES

Turn your next boat party into a spectacular event with our range of marine audio products built to withstand the challenges of the elements.

UV RESISTANCE



No matter how intense the sun's rays get, these players have been extensively UV tested, and are able to withstand any long-term weathering effects. Even under direct sunlight, the display stays clear and is perfectly legible



SIRI® EYES FREE (VOICE CONTROL)



Access Siri on your iOS device via the audio system and hear Siri's response through your boat's speakers. Ask questions, make phone calls, select music, compose messages, get directions, read notifications and more — all without ever taking your eyes off the water. To minimise distractions, Siri Eyes Free operates without lighting up your smartphone screen.

\*Siri is available on iPhone 4S or later, iPad® with Retina display, iPad mini™ and iPod touch® (5th generation or later) and requires internet access. Available functions may vary according to iOS versions.

ONE-TOUCH NFC



Sony's NFC-enabled stereo systems can instantly connect with compatible smartphones via Bluetooth for lightning quick access to your apps and content. Just touch your smartphone to the volume knob of the headset and you are all set to enjoy your favourite music through the on-board speakers.





One-touch Connection



SONY | MUSIC CENTER



The center for all music lovers - Do you want to fully enjoy music whether at home or out and about? Then this Sony app is exactly what you've been waiting for. The Music Center app will singlehandedly enable you to listen to Hi-Res sound sources in the excellent audio quality. You can also connect to other Sony audio devices to play music in the best possible sound field, with the settings optimised for each individual device.






















# MARINE SERIES

## DSX-M80 MARINE MEDIA RECEIVER WITH BLUETOOTH



- 100W x 4 max. power
- EXTRA BASS™
- Sound Optimization
- Subwoofer Direct Connection with 2-ohm Multiple Speaker load Option
- High Voltage Pre-out (5V)
- Anti-corrosive Coated Circuit Boards
- UV Resistance for Outdoor Usages
- Dual\* Bluetooth® Connection
- Backup Memory
- 3 pre out
- Voice Control On Android™ Phones
- Siri Eyes Free and Music Center
- Synchronized Source Integration
- Advanced Car Audio Setting
- 2-zone Dynamic Color Illuminator
- Sound-synchronized Illumination
- AAC, FLAC, MP3, WAV, WMA playback
- "Configurable" Steering Wheel Remote Input
- Mic supplied



\*\*Rear USB only

## MEX-M72BT MARINE CD RECEIVER WITH BLUETOOTH





- 55W x 4 max. power
- EXTRA BASS
- 3 Pre Out
- 10-band equaliser
- High-pass filter/low-pass filter
- Dual Bluetooth and NFC connectivity
- Siri Eyes Free and Music Center compatible
- Android Open Accessory 2.0
- MP3, WMA, FLAC, AAC playback
- Dynamic Colour Illuminator (2-zone)
- Sound synchronised illumination
- Configurable steering wheel remote input
- Mic supplied

## DSX-M55BT MARINE MEDIA RECEIVER WITH BLUETOOTH





- 55W x 4 max. power
- MEGA BASS
- 2 pre out
- 5-band equaliser
- Low-pass filter
- Built-in mic
- Bluetooth and NFC connectivity
- Siri Eyes Free compatible
- MP3, WAV, FLAC playback

## XS-MP1621 6.3" 2-WAY COAXIAL MARINE SPEAKERS



- 160W max. power
- 45W CEA RMS power
- 35Hz-26kHz frequency response
- Polypropylene woofer cone
- PEI cone tweeter

## XS-MP1611 6.3" DUAL CONE MARINE SPEAKERS



- 140W max. power
- 40W CEA RMS power
- 45Hz-20kHz frequency response
- Polypropylene woofer cone

SPECIFICATIONS

SUBWOOFERS

	XS-GSW101	XS-GSW121	XS-GSW121D
Size	25 ,10cm	30 ,12cm	30 ,12cm
Speaker System	SVC Subwoofer	SVC Subwoofer	DVC Subwoofer
Est. Peak Power	1800W	2,000W	2,000W
Est. CEA 2031 RMS Power	450W	500W	520W
Est. Rated Power	350W	380W	400W
Rated Impedance (Ω)	4	4	4 + 4
Output Sound Pressure Level	2±89 dB	2±83dB	2±84dB
In-car Output Sound Pressure Level	93dB	94 dB	94 dB
Effective Frequency Range	500 – 28 Hz	600 - 20Hz	600 - 20Hz
Mass (kg) Per Speaker	4.5	5.1	5.1

AMPLIFIERS

	XM-GS6DSP	XM-GS4	XM-N1004
Channel Configuration	-4.1ch/-6ch	4ch/3ch/2ch	4ch/3ch/2ch
Rated Power Output - At 4ohm	45W×4 (Front/Rear) / 90W×2 (Subwoofer)	70W×4	70wx4
Rated Power Output - At 4ohm-BTL	350W (Subwoofer) at 1kHz	160W×2 at 1kHz	175Wx2
Rated Power Output - At 2ohm	175W×2 (Subwoofer) at 1kHz 600W×1 (Subwoofer) at1kHz	80Wx4 at 1kHz	85Wx4
SN Ratio	83dBA (Front/Rear) 80dBA (Subwoofer)	93dBA	93dBA
Circuit System	Class D Technology Pulse power supply	Output Transformer - less Circuit Pulse Power Supply	Output Transformer - less Circuit Pulse Power Supply
Inputs	RCA pin jacks, High level input connector	RCA pin jacks, High level input connector	RCA pin jacks, High level input connector
Outputs	Speaker output connector, Woofer/Subwoofer terminals	Speaker terminals	Speaker terminals
High Pass Filter	Variable: Front (4-500kHz) Rear (500-50Hz)	300-50Hz (Variable)	80Hz
Slope : High Pass Filter	12dB/oct	12dB/oct	12dB/oct
Low Pass Filter	Variable: Rear (4-500kHz), Subwoofer (500-50Hz)	300-50Hz (Variable)	80Hz
Slope : Low Pass Filter	12dB/oct	12dB/oct	18dB/oct
Subsonic High Pass Filter	-	70 – 6 Hz, 12 dB/oct	-
Current Drain (Rated Output Power At 4ohm)	36A	33A	36A
Frequency Response	20-20 kHz (Front/Rear) 10-20kHz (Subwoofer)	100-10 k Hz	50-5kHz
Tolerance	3-/0.5+dB	3-/0.5+dB	3-/0+dB
Dimensions (WxHxD)(mm)	295 x 51 x 199.5	272 x 51 x 202	342 x 55 x 232
Weight (kg)	2.7	2.7	1.5

SPECIFICATIONS

SUBWOOFERS














	XS-NW1200	XS-GTX122LT	XS-GTR121LD	XS-GTR121L	XS-NW1202E
30 ,12cm	30 ,12cm	30 ,12cm	30 ,12cm	30 ,12cm	30 ,12cm
SVC Subwoofer	Tube Subwoofer	DVC Subwoofer	SVC Subwoofer	Box Subwoofer	
1800W	1350W	2,000W	2,000W	1,800W	
420W	350W	-	-	420W	
300W	300W	420W	400W	300W	
4	4	4	4	4	
2±88 dB	2±88 dB	2±86 dB	2±87 dB	2±86dB	
94db	-	90 dB	90 dB	94 dB	
1000 – 35 Hz	800 – 35 Hz	1,000 – 30 Hz	1,000 – 30 Hz	1000-32Hz	
5.2	9.5	5.3	5.1	12	









AMPLIFIERS





	XM-N502	XM-S400D	XM-GS100	XM-GTR3301D
2ch/1ch	4ch	1 (Mono)	1 (Mono)	
65Wx2	45W×4	330W×1	330Wx1	
175Wx1	-	-	-	
85Wx2	-	600W×1	600Wx1	
93dBA	83dBA	65dBA	65 dBA	
Output Transformer - less Circuit Pulse Power Supply	Output Transformer - less Circuit Pulse Power Supply	Class D Technology Pulse power supply	Class D Technology Pulse power supply	
RCA pin jacks, High level input connector	RCA pin jacks, High level input connector	RCA pin jacks, High level input connector	RCA pin jacks, High level input connector	
Speaker terminals	Speaker terminals	Speaker terminals	Speaker terminals	
-	120Hz	-	-	
-	12dB/oct	-	-	
80Hz	120Hz	300-50Hz(Variable)	300 – 50 Hz	
18dB/oct	12dB/oct	12dB/oct	12 dB/oct	
-	-	70 – 6 Hz, 12 dB/oct	70 – 6 Hz, 12 dB/oct	
15A	15A	30A(at 4Ω)	60A (at 2 Ω)	
50-5k Hz	20-20 k Hz	300-10Hz	300 – 10 Hz	
+0/-3	3-/0.5+dB	3-/0.5+dB	3-/0+dB	
271 x 55 x 170	62.6 x 37.3 x 162.8	272 x 51 x 202	356.8 x 55 x 276.8	
0.46	2.5 kg	2.9	2.9	




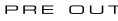









AV & AUDIO PLAYERS

	<b>ADVANCED AUDIO CODING (AAC)</b> A standardised compression method for digital audio. AAC achieves better sound quality at smaller file sizes compared to MP3 files at similar bit rate. It is the standard audio format for many popular entertainment devices, such as the Sony PlayStation® 3.
	<b>ADVANCED SOUND ENGINE</b> Uses a combination of EQ7, CSO, LPF/HPF, Intelligent Time Alignment and Rear Bass Enhancer to produce an optimum listening environment based on user preferences.
	<b>ANDROID AUTO</b> A Google standard that allows Android mobile devices to be operated in automobiles through the dashboard's head unit.
	<b>APPLE CARPLAY</b> An Apple standard that allows a car radio or head unit to be a display and controller for an iPhone.
	<b>BEST TUNING MEMORY (BTM)</b> Automatically selects radio station and stores them according to frequency strength, starting with the strongest signals.
	<b>BLACK OUT MODE</b> Turns off all illumination on the head unit even during music playback so as not to distract the driver. The illumination can be turned back on with just a touch of a button.
	<b>BLUETOOTH</b> A wireless communication standard that uses a secure short-range wireless connection to share information between mobile devices and other peripherals.
	<b>CLEARAUDIO+</b> Reproduces sound by optimising digital signals according to Sony's recommended sound settings for in-car listening.
	<b>DIGITAL CLARITY TUNER</b> An FM/AM tuner that enhances sound quality and expands stereo area for better signal pick up.
	<b>DIGITAL SOUND ENHANCEMENT ENGINE (DSEE)</b> Enhances the sound quality of compressed audio files by restoring high-range sounds that were removed by the compression process.
	<b>DIRECT STREAM DIGITAL (DSD)</b> A recording format originally designed for Super Audio CDs, which reproduces audio waveforms at much higher resolution than conventional audio codecs.
	<b>DYNAMIC COLOUR ILLUMINATOR</b> Generates 35,000 colour combinations in a variety of illuminated patterns. Also changes the head unit's colour to match the beat of your music via the sound synchronisation feature.
	<b>DYNAMIC REALITY AMP 2 (DRA2)</b> Incorporates a fully symmetrical differential input circuit, boasting %47 lower internal resistance when compared with conventional products. This gives is excellent signal reproduction, better clarity and increased output power.
	<b>DYNAMIC STAGE ORGANISER</b> Creates a sound image that simulates having virtual speakers above the dashboard.













	<b>EQ5 5-BAND EQUALISER</b> 5 frequency bands with 10 presets for easy adjustment.
	<b>EQ10 10-BAND DIGITAL EQUALISER</b> 10 frequency bands with 10 presets for easy adjustment.
	<b>EXTRA BASS</b> Overcomes driving noise and reproduces clear punchy sound at any volume level. It even comes with beat-pulsing illumination.
	<b>FREE LOSSLESS AUDIO CODEC (FLAC)</b> A lossless audio format where the original audio is compressed without any loss in quality.
	<b>AUX-IN</b> A universal 3.5mm mini pin input on the head unit that lets you plug in portable audio players.
	<b>FRONT DETACHABLE PANEL</b> Can be removed when you leave your car, to deter thieves from stealing your head unit. Panel can be easily slotted back when you return.
	<b>HIGH-PASS FILTERS AND LOW-PASS FILTERS</b> High-pass filters suppress lower frequencies and only allow high frequencies through, while low-pass filters only allow low frequencies through.
	<b>HI-RESOLUTION AUDIO</b> A high quality audio format created by digitising the original analogue source at a much higher sampling and bit rate than CDs. The most commonly used specifications are 24bit/96kHz and 24bit/192kHz.
	<b>ID3TAG</b> A -128byte data file embedded at the end of an MP3. It contains information about the track, such as artist name, song title, genre and comments.

	<b>INTELLIGENT TIME ALIGNMENT</b> Optimises in-car sound with two settings — Simple and Smart. The 'Simple' setting has preset tuning for beginners, while the 'Smart' setting has manual tuning for more experienced users.
	<b>MP3</b> An audio file derived from lossy data compression.
	<b>MASS STORAGE CLASS (MSC)</b> Allows a device to function as a storage unit when connected with a compatible Sony USB input.
	<b>MEDIA TRANSFER PROTOCOL (MTP)</b> Allows smartphones to transfer music and various files to a connected device, while keeping the smartphone's other functions active.
	<b>MEGA BASS</b> Overcomes driving noise and reproduces clear punchy sound at any volume level. It even comes with beat-pulsing illumination.
	<b>MULTI-FORMAT PLAYBACK</b> Sony receivers offer a wide selection of playback options from CD to CD-R and CD-RW.

AV & AUDIO PLAYERS

	<b>ONE-TOUCH NEAR FIELD COMMUNICATION (NFC)</b> A set of communication protocols that let you connect compatible smartphones to your in-car audio system instantly to access apps and media content.
	<b>PHONEBOOK ACCESS PROFILE</b> Accesses your smartphone's contact list directly from the head unit via Bluetooth. Contacts are listed alphabetically for easy searching.
	<b>PRE OUT</b> A -2volt line-level output with no power amplification. A high voltage pre out gives a -5volt signal to achieve clearer sound with less distortion when the head unit is connected to a power amplifier.
	<b>RADIO DATA SYSTEM (RDS)</b> Displays radio broadcast information, such as artist and track information, when listening to compatible AM/FM stations.
	<b>REAR BASS ENHANCER (RBE)</b> Places a low-pass filter on the rear speaker, allowing it to act as a subwoofer.
	<b>SIRI EYES FREE</b> Accesses Siri on Apple® devices to make calls, play music, send messages, get directions, check notifications, add reminders and more. To minimise distractions, the device's screen does not light up even during use.
	<b>SONY MUSIC CENTER</b> A mobile app for Android and iPhone® devices that lets you browse and play audio content via Bluetooth or Wi-Fi. Music center 2.1 now includes voice control over basic head unit functions.
	<b>STEERING WHEEL REMOTE INPUT</b> Handles general command protocols without the need for an adaptor to convert signals between the steering wheel and Sony head unit.
	<b>SUBWOOFER DIRECT CONNECTION</b> Allows a user to directly connect a 4Ω or 8Ω subwoofer to a rear audio channel without needing an external amplifier.
	<b>USB 1.5A HIGH CHARGE PORT</b> A 1.5A input port that lets you charge high current devices, such as smartphones and tablets, directly.
	<b>USB PORT</b> A standard cable connection point that lets you organise and transfer audio files from compatible devices.
	<b>WAVEFORM AUDIO FILE FORMAT (WAV)</b> A Microsoft and IBM audio file format standard for storing an audio bitstream.
	<b>WINDOWS MEDIA AUDIO (WMA)</b> An audio data compression technology developed by Microsoft. It forms part of the Windows Media framework.

SPEAKERS, SUBWOOFERS & AMPLIFIERS

	<b>AUTOMATIC THERMAL CONTROL</b> Regulates an amplifiers' operating temperature for stable, long-term playback at high volume levels.
	<b>BI-AMP</b> The practice of using two audio amplifier channels to power a loudspeaker with multiple drivers.
	<b>CLASS-D AMPLIFIERS</b> Distributes power by using output transistors as switches. These transistors control the power flow by automatically turning on or off depending on voltage. This helps the amplifiers to deliver higher power output with reduced current and less heat dissipation.
	<b>CONSUMER ELECTRONICS ASSOCIATION (CEA) COMPLIANT</b> Products with this logo have been tested according to CEA standards based on three factors: primary power distribution in watts, total harmonic distortion plus noise and signal-to-noise ratio.
	<b>DIMPLED CONE WOOFER</b> Constructed with lightweight material and has optimised dimple alignment to maintain the woofer's rigidity and produce SPL bass.
	<b>DOUBLE SPIDER SUSPENSION SYSTEM</b> Supports the voice coil and prevents the audio system from rolling while the car is in motion.
	<b>DUAL VOICE COILS</b> Allows you to wire each one to separate channels on your amplifier.
	<b>GOLD PLATED TERMINALS</b> Gold plating reduces corrosion on the terminals and allows for cleaner signal transfer and superior electrical connections.
	<b>HIGHLY ORIENTED POLYOLEFINE (H.O.P.) DIAPHRAGM</b> H.O.P. reinforced diaphragms can lengthen piston motion to improve signals between subwoofers and tweeters, for clearer, distortion-free sound reproduction.
	<b>MAGNETIC FLUID SPEAKER</b> A speaker that uses ferrofluid to greatly reduce distortion at high volumes, so that even smaller speakers are capable of delivering powerful sound.
	<b>METAL OXIDE SEMICONDUCTOR FIELD EFFECT TRANSISTOR (MOSFET)</b> Offers higher switching speeds than bipolar transistors, allowing for faster response with better sound reproduction linearity and efficiency.
	<b>MICA REINFORCED CELLULAR (MRC) GLASS FIBRE</b> A revolutionary material used in woofer cones. It is strong and lightweight, offering higher rigidity without deformation so that speaker cones produce more powerful, tighter bass.
	<b>P5 (BLACK)</b> A polypropylene diaphragm that ensures superior, stable bass reproduction.
	<b>P5 (SILVER)</b> An aluminium diaphragm that delivers excellent bass performance without distortion.
	<b>RCA</b> A standard connection used to transmit analogue audio and composite-video signals between devices.
	<b>ROOT MEANS SQUARE (RMS)</b> The average power output (in watts) over a long period of time.
	<b>THERMOPLASTIC OLEFIN (TPO) SURROUND</b> Reduces distortion and gives greater control over the cone.