



ENGLISH

KD-X375BT

DIGITAL MEDIA RECEIVER INSTRUCTION MANUAL

JVCKENWOOD Corporation





**Declaration of Conformity with regard to the RE Directive 2014/53/EU
Declaration of Conformity with regard to the RoHS Directive 2011/65/EU
Manufacturer:**

JVC KENWOOD Corporation
3-12, Moriya-cho, Kanagawa-ku, Yokohama-shi, Kanagawa, 221-0022, JAPAN
EU Representative:
JVCKENWOOD Deutschland GmbH
Konrad-Adenauer-Allee 1-11, 61118 Bad Vilbel, GERMANY

**Declaración de conformidad con respecto a la Directiva RE 2014/53/EU
Declaración de conformidad con respecto a la Directiva RoHS 2011/65/EU
Fabricante:**

JVC KENWOOD Corporation
3-12, Moriya-cho, Kanagawa-ku, Yokohama-shi, Kanagawa, 221-0022, JAPAN
Representante en la UE:
JVCKENWOOD Deutschland GmbH
Konrad-Adenauer-Allee 1-11, 61118 Bad Vilbel, GERMANY

**Conformiteitsverklaring met betrekking tot de RE-richtlijn van de Europese Unie
(2014/53/EU)**

**Conformiteitsverklaring met betrekking tot de RoHS richtlijn van de Europese Unie
(2011/65/EU)**

Fabrikant:
JVC KENWOOD Corporation
3-12, Moriya-cho, Kanagawa-ku, Yokohama-shi, Kanagawa, 221-0022, JAPAN
EU-vertegenwoordiger:
JVCKENWOOD Deutschland GmbH
Konrad-Adenauer-Allee 1-11, 61118 Bad Vilbel, GERMANY

**Declaração de conformidade relativa à Directiva RE 2014/53/EU
Declaração de conformidade relativa à Directiva RoHS 2011/65/EU
Fabricante:**

JVC KENWOOD Corporation
3-12, Moriya-cho, Kanagawa-ku, Yokohama-shi, Kanagawa, 221-0022, JAPAN
Representante na UE:
JVCKENWOOD Deutschland GmbH
Konrad-Adenauer-Allee 1-11, 61118 Bad Vilbel, GERMANY

English

Hereby, JVCKENWOOD declares that the radio equipment "KD-X155/KD-X153" is in compliance with Directive 2014/53/EU.
The full text of the EU declaration of conformity is available at the following internet address:
<http://www.jvc.net/cs/car/eudoc/>

Français

Par la présente, JVCKENWOOD déclare que l'équipement radio « KD-X155/KD-X153 » est conforme à la directive 2014/53/UE.
L'intégralité de la déclaration de conformité UE est disponible à l'adresse Internet suivante :
<http://www.jvc.net/cs/car/eudoc/>

Deutsch

Hiermit erklärt JVCKENWOOD, dass das Funkgerät "KD-X155/KD-X153" der Richtlinie 2014/53/EU entspricht.
Der volle Text der EU-Konformitätserklärung steht unter der folgenden Internetadresse zur Verfügung:
<http://www.jvc.net/cs/car/eudoc/>

Nederlands

Hierbij verklaart JVCKENWOOD dat de radioapparatuur "KD-X155/KD-X153" in overeenstemming is met Richtlijn 2014/53/EU.
De volledige tekst van de EU-verklaring van overeenstemming is te vinden op het volgende internetadres:
<http://www.jvc.net/cs/car/eudoc/>

Italiano

Con la presente, JVCKENWOOD dichiara che l'apparecchio radio "KD-X155/KD-X153" è conforme alla Direttiva 2014/53/UE.
Il testo integrale della dichiarazione di conformità UE è disponibile al seguente indirizzo internet:
<http://www.jvc.net/cs/car/eudoc/>

Español

Por la presente, JVCKENWOOD declara que el equipo de radio "KD-X155/KD-X153" cumple la Directiva 2014/53/EU.
El texto completo de la declaración de conformidad con la UE está disponible en la siguiente dirección de internet:
<http://www.jvc.net/cs/car/eudoc/>

Português

Deste modo, a JVCKENWOOD declara que o equipamento de rádio "KD-X155/KD-X153" está em conformidade com a Diretiva 2014/53/UE.
O texto integral da declaração de conformidade da UE está disponível no seguinte endereço de internet:
<http://www.jvc.net/cs/car/eudoc/>

Polska

Niniejszym, JVCKENWOOD deklaruje, że sprzęt radiowy "KD-X155/KD-X153" jest zgodny z dyrektywą 2014/53/UE.
Pełny tekst deklaracji zgodności EU jest dostępny pod adresem:
<http://www.jvc.net/cs/car/eudoc/>

Český

Společnost JVCKENWOOD tímto prohlašuje, že rádiové zařízení "KD-X155/KD-X153" splňuje podmínky směrnice 2014/53/EU.
Plný text EU prohlášení o shodě je dostupný na následující internetové adrese:
<http://www.jvc.net/cs/car/eudoc/>

Magyar

JVCKENWOOD ezennel kijelenti, hogy a „KD-X155/KD-X153” rádióberendezés megfelel a 2014/53/EU irányelvnek.
Az EU konformitási nyilatkozat teljes szövege az alábbi weboldalon érhető el:
<http://www.jvc.net/cs/car/eudoc/>

Svenska

Härmed försäkras JVCKENWOOD att radioutrustningen "KD-X155/KD-X153" är i enlighet med direktiv 2014/53/EU. Den fullständiga texten av EU-försäkringen om överensstämmelse finns på följande Internetadress:
<http://www.jvc.net/cs/car/eudoc/>

Suomi

JVCKENWOOD julistaa täten, että radiolaite "KD-X155/KD-X153" on direktiivin 2014/53/EU mukainen. EU-vaatimustenmukaisuusvakuutusvaatimus löytyy kokonaisuudessaan seuraavasta internet-osoitteesta:
<http://www.jvc.net/cs/car/eudoc/>

Slovensko

S tem JVCKENWOOD izjavlja, da je radijska oprema »KD-X155/KD-X153« v skladu z Direktivo 2014/53/EU. Celotno besedilo direktive EU o skladnosti je dostopno na tem spletnem naslovu:
<http://www.jvc.net/cs/car/eudoc/>

Slovensky

Spoločnosť JVCKENWOOD týmto vyhlasuje, že rádiové zariadenie „KD-X155/KD-X153“ vyhovuje smernici 2014/53/EÚ. Celý text EÚ vyhlásenia o zhode nájdete na nasledovnej internetovej adrese:
<http://www.jvc.net/cs/car/eudoc/>

Dansk

Herved erklærer JVCKENWOOD, at radioudstyret "KD-X155/KD-X153" er i overensstemmelse med Direktiv 2014/53/EU. EU-overensstemmelseserklæringens fulde ordlyd er tilgængelig på følgende internetadresse:
<http://www.jvc.net/cs/car/eudoc/>

Ελληνικά

Με το παρόν, η JVCKENWOOD δηλώνει ότι ο ραδιοεξοπλισμός «KD-X155/KD-X153» συμμορφώνεται με την Οδηγία 2014/53/ΕΕ. Το πλήρες κείμενο της δήλωσης συμμόρφωσης της ΕΕ είναι διαθέσιμο στην ακόλουθη διεύθυνση στο διαδίκτυο:
<http://www.jvc.net/cs/car/eudoc/>

Eesti

Käesolevaga JVCKENWOOD kinnitab, et „KD-X155/KD-X153” raadiovarustus on vastavuses direktiiviaga 2014/53/EL. Eli vastavusdeklaratsiooni terviktekst on kättesaadav järgmisel internetiaadressil:
<http://www.jvc.net/cs/car/eudoc/>

Latviešu

JVCKENWOOD ar šo deklarē, ka radio aparatūra „KD-X155/KD-X153” atbilst direktīvas 2014/53/ES prasībām. Pilns ES atbilstības deklarācijas teksts ir pieejams šādā tīmekļa adresē:
<http://www.jvc.net/cs/car/eudoc/>

Lietuviškai

Šiuo JVCKENWOOD pažymi, kad radijo įranga „KD-X155/KD-X153“ atitinka 2014/53/EB direktyvos reikalavimus. Visą EB direktyvos atitikties deklaracijos tekstą galite rasti šiuo internetinio adresu:
<http://www.jvc.net/cs/car/eudoc/>

Malta

B'dan, JVCKENWOOD jiddikjara li t-tagħmir tar-radiju "KD-X155/KD-X153" huwa konformi mad-Direttiva 2014/53/UE. It-test kollu tad-dikjarazzjoni ta' konformità huwa disponibbli fl-indirizz intranet li ġej:
<http://www.jvc.net/cs/car/eudoc/>

HRVATSKI / SRPSKI JEZIK

JVCKENWOOD ovim izjavljuje da je radio oprema "KD-X155/KD-X153" u skladu s Direktivom 2014/53/EU. Gjeloviti tekst deklaracije Europske unije o usklađenosti dostupan je na sljedećoj internet adresi:
<http://www.jvc.net/cs/car/eudoc/>

ROMÂNĂ

Prin prezenta, JVCKENWOOD declară că echipamentul radio "KD-X155/KD-X153" este în conformitate cu Directiva 2014/53/UE. Textul integral al declarației de conformitate UE este disponibil la următoarea adresă de internet:
<http://www.jvc.net/cs/car/eudoc/>

БЪЛГАРСКИ

С настоящото JVCKENWOOD декларира, че радиооборудването на "KD-X155/KD-X153" е в съответствие с Директива 2014/53/ЕС. Пълният текст на ЕС декларацията за съответствие е достъпен на следния интернет адрес:
<http://www.jvc.net/cs/car/eudoc/>

Turkish

Burada, JVCKENWOOD "KD-X155/KD-X153" radyo ekipmanının 2014/53/AB Direktifine uygun olduğunu bildirir. AB uyumluluk deklarasyonunun tam metni aşağıdaki internet adresinde mevcuttur.
<http://www.jvc.net/cs/car/eudoc/>

Русский

JVCKENWOOD настоящим заявляет, что радиооборудование «KD-X155/KD-X153» соответствует Директиве 2014/53/EU. Полный текст декларации соответствия ЕС доступен по следующему адресу в сети Интернет:
<http://www.jvc.net/cs/car/eudoc/>

Українська

Таким чином, компанія JVCKENWOOD заявляє, що радіообладнання «KD-X155/KD-X153» відповідає Директиві 2014/53/EU. Повний текст декларації про відповідність ЄС можна знайти в Інтернеті за такою адресою:
<http://www.jvc.net/cs/car/eudoc/>

SOFTWARE LICENSE AGREEMENT

The software embedded in the Product (hereinafter the "Licensed Software") provided by Licensor is copyrighted to or sublicensable by the Licensor, and this Agreement provides for the terms and conditions which Users shall follow in order to use the Licensed Software.

The User shall use the Licensed Software by agreeing with the terms of this Software License Agreement. This Agreement shall be deemed completed at the time the User (hereinafter the "User") initially used the Product in which the "Licensed Software" is embedded.

The Licensed Software may include the software which has been licensed to the Licensor directly or indirectly from any third party. In such case, some third parties require the Users to follow their conditions for use separately from this Software License Agreement. Such software shall not be subject to this Agreement, and the Users are urged to read the "Important Notice concerning the Software" to be provided separately below.

Article 1 General Provision

The Licensor shall grant to the User a non-exclusive and non-transferable (other than the exceptional case referred to in Article 3, Paragraph 1) licensed to use the Licensed Software within the country of the User. (the country where the User bought the Product (hereinafter the "Country"))

Article 2 License

1. The license granted under this Agreement shall be the right to use the Licensed Software in the Product.
2. The User shall not duplicate, copy, modify, add, translate or otherwise alter, or lease the Licensed Software and any related documents, whether in whole or in part.
3. The use of the Licensed Software shall be limited to personal purpose, and the Licensed Software shall not be distributed, licensed or sub-licensed whether it is for commercial purpose or not.
4. The User shall use the Licensed Software according to the directions described in the operation manual or help file, and is prohibited to use or duplicate any data in a manner violating the Copyright Law or any other laws and regulations by applying whole or a part of the Licensed Software.

Article 3 Conditions for Grant of License

1. When the User transfers the Product, it may also transfer the license to use the Licensed Software embedded in the Product (including any related materials, updates and upgrades) on condition that no original, copies or related materials continue in the possession of the User, and that the User shall cause the transferee to comply with this Software License Agreement.
2. The User shall not carry out reverse engineering, disassembling, decompiling or any other code analysis works in connection with the Licensed Software.

Article 4 Right pertaining to the Licensed Software

Any and all copyrights and other rights pertaining to the Licensed Software and related documents shall belong to the Licensor or the original holder of the right who granted to the Licensor the license or sublicense for the Licensed Software (hereinafter the "Original Rightholder"), and the User shall not be entitled to any right other than the license granted hereunder, in respect of the Licensed Software and any related documents.

Article 5 Indemnification of Licensor

1. Neither the Licensor nor the Original Rightholder shall be liable for any damage incurred by the User or any third party due to the exercise of the license granted to the User under this Agreement, unless otherwise restricted by law.
2. The Licensor will offer no guarantee for the merchantability, convertibility and consistency with certain objective of the Licensed Software.

Article 6 Liability to Third Party

If any dispute has arisen with any third party due to an infringement upon a copyright, patent or any other intellectual property right that was caused by the User's use of the Licensed Software, the User shall settle such dispute at its own cost and hold the Licensor and the Original Rightholder harmless from any inconvenience it may cause.

Article 7 Confidentiality

The User shall keep the confidentiality of such portion of the Licensed Software, related documents thereof or any other information to be granted under this Agreement, as well as the conditions of this Agreement as has not yet entered the public domain, and shall not disclose or divulge the same to any third party without approval of the Licensor.

Article 8 Termination

In case the User falls under any of the events described in the following items, the Licensor may immediately terminate this Agreement or claim that the User compensates for the damage incurred by the Licensor due to such event:

- (1) when the User violated any provision of this Agreement; or
- (2) when a petition has been filed against the User for an attachment, provisional attachment, provisional disposition or any other compulsory execution.

Article 9 Destruction of the Licensed Software

If this Agreement is terminated pursuant to the provision of Article 8, the User shall destroy the Licensed Software, any related documents and copies thereof within two (2) weeks from such date of termination.

Article 10 Protection of Copyright

1. The copyright and all the other intellectual property rights relating to the Licensed Software shall belong to the Licensor and the Original Rightholder, and in no event shall they be under the ownership of the User.
2. The User shall, whenever it uses the Licensed Software, comply with any laws relating to the copyright and other intellectual property rights.

Article 11 Export Restriction

1. It is prohibited to export the Licensed Software and any related documents outside the country of the User (including transmission thereof outside the country of the User via Internet of other communication tools).
2. The User shall understand that the Licensed Software shall be subject to the export restrictions adopted by the country of User and any other countries.
3. The User shall agree that the software will be subject to any and all applicable international and domestic laws (including the export control regulation of the country of User and any other countries, and any restrictions concerning the end-users, the use by end-users and importing countries to be provided by the country of User and any other countries, and any other governmental authorities).

Article 12 Miscellaneous

1. In the event any part of this Agreement is invalidated by operation of law, the residual provisions shall continue in force.
2. Matters not stipulated in this Agreement or any ambiguity or question raised in the construction of this Agreement shall be provided or settled upon good-faith consultation between the Licensor and the User.
3. The Licensor and the User hereby agree that this Agreement is governed by the laws of Japan, and any dispute arising from, and relating to the rights and obligations under, this Agreement shall be submitted to the exclusive jurisdiction of the Tokyo District Court for its first instance.

Important Notice concerning the Software

-jansson

Copyright (c) 2009-2012 Petri Lehtinen <petri@digip.org>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

-cJSON

Copyright (c) 2009 Dave Gamble

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

-CMP

The MIT License (MIT)

Copyright (c) 2014 Charles Gunyon

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

nanopb

Copyright (c) 2011 Petteri Aimonen <jpa at nanopb.mail.kapsi.fi>

This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
 2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
 3. This notice may not be removed or altered from any source distribution.
-

sha2

AUTHOR: Aaron D. Gifford - <http://www.aarongifford.com/>

Copyright (c) 2000-2001, Aaron D. Gifford

All rights reserved.

You may obtain a copy of the license at

<https://opensource.org/licenses/BSD-3-Clause>

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Posix

Copyright (c) 1990, 1993

The Regents of the University of California. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. All advertising materials mentioning features or use of this software must display the following acknowledgement:
This product includes software developed by the University of California, Berkeley and its contributors.
4. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

Copyright (C) 1993 by Sun Microsystems, Inc. All rights reserved.

Developed at SunPro, a Sun Microsystems, Inc. business.

Permission to use, copy, modify, and distribute this software is freely granted, provided that this notice is preserved.

Copyright (C) 1991-2, RSA Data Security, Inc. Created 1991. All rights reserved.

License to copy and use this software is granted provided that it is identified as the "RSA Data Security, Inc. MD4 Message-Digest Algorithm" in all material mentioning or referencing this software or this function.

Copyright (c) 1995, 1996 Carnegie-Mellon University. All rights reserved.

Author: Chris G. Demetriou

Permission to use, copy, modify and distribute this software and its documentation is hereby granted, provided that both the copyright notice and this permission notice appear in all copies of the software, derivative works or modified versions, and any portions thereof, and that both notices appear in supporting documentation.

CARNEGIE MELLON ALLOWS FREE USE OF THIS SOFTWARE IN ITS "AS IS" CONDITION. CARNEGIE MELLON DISCLAIMS ANY LIABILITY OF ANY KIND FOR ANY DAMAGES WHATSOEVER RESULTING FROM THE USE OF THIS SOFTWARE.

Carnegie Mellon requests users of this software to return to

Software Distribution Coordinator or Software.Distribution@

CS.CMU.EDU

School of Computer Science

Carnegie Mellon University

Pittsburgh PA 15213-3890

any improvements or extensions that they make and grant Carnegie the rights to redistribute these changes.

License is also granted to make and use derivative works provided that such works are identified as "derived from the RSA Data Security, Inc. MD4 Message-Digest Algorithm" in all material mentioning or referencing the derived work.

RSA Data Security, Inc. makes no representations concerning either the merchantability of this software or the suitability of this software for any particular purpose. It is provided "as is" without express or implied warranty of any kind.

Copyright (c) 1993 Martin Birgeheimer

All rights reserved.

You may redistribute unmodified or modified versions of this source code provided that the above copyright notice and this and the following conditions are retained.

This software is provided "as is", and comes with no warranties of any kind. I shall in no event be liable for anything that happens to anyone/anything when using this software.

These notices must be retained in any copies of any part of this documentation and/or software.

T-Kernel 2.0

This product uses the source code of T-Kernel 2.0 under T-License 2.0 granted by T-Engine Forum (www.tron.org)

BSD-3-Clause

Copyright (c) 2000-2001, Aaron D. Gifford

All rights reserved.

You may obtain a copy of the license at

<https://opensource.org/licenses/BSD-3-Clause>

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

LFS Subsystem

Copyright The Regents of the University of California. All rights reserved.

You may obtain a copy of the license at

<https://directory.fsf.org/wiki/License:BSD-4-Clause>

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Accordo2 Player

Apache License

Licensed under the Apache License,

Version 2.0, January 2004 (the "License");

You may obtain a copy of the license at

<http://www.apache.org/licenses/LICENSE-2.0>

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

CONTENTS

BEFORE USE	3
BASICS	4
GETTING STARTED	5
1 Cancel the demonstration	
2 Set the clock and date	
3 Set the basic settings	
RADIO	6
USB/iPod	8
AUX	10
Spotify	11
Using Other Applications	12
BLUETOOTH®	13
AUDIO SETTINGS	20
DISPLAY SETTINGS	25
REFERENCES	27
Maintenance	
More information	
TROUBLESHOOTING	29
SPECIFICATIONS	31
INSTALLATION/ CONNECTION	34

BEFORE USE

IMPORTANT

- To ensure proper use, please read through this manual before using this product. It is especially important that you read and observe Warning and Caution in this manual.
- Please keep the manual in a safe and accessible place for future reference.

▲ Warning

- Do not operate any function that takes your attention away from safe driving.

▲ Caution

Volume setting:

- Adjust the volume so that you can hear sounds outside the car to prevent accidents.
- Lower the volume before playing digital sources to avoid damaging the speakers by the sudden increase of the output level.

General:

- Avoid using the external device if it might hinder safe driving.
- Make sure all important data has been backed up. We shall bear no responsibility for any loss of recorded data.
- Never put or leave any metallic objects (such as coins or metal tools) inside the unit, to prevent a short circuit.

How to read this manual

- Operations are explained mainly using buttons on the faceplate of KD-X357BT.
- English indications are used for the purpose of explanation. You can select the display language from the menu. (→ 6)
- [XX] indicates the selected items.
- (→ XX) indicates references are available on the stated page.

Before Use

IMPORTANT

- To ensure proper use, please read through this manual before using this product. It is especially important that you read and observe Warnings and Cautions in this manual.
- Please keep the manual in a safe and accessible place for future reference.

⚠ WARNING

Do not operate any function that takes your attention away from safe driving.

⚠ CAUTION

Volume setting:

- Adjust the volume so that you can hear sounds outside the car to prevent accidents.
- Lower the volume before playing digital sources to avoid damaging the speakers by the sudden increase of the output level.

General:

- Avoid using the external device if it might hinder safe driving.
- Make sure all important data has been backed up. We shall bear no responsibility for any loss of recorded data.
- Never put or leave any metallic objects (such as coins or metal tools) inside the unit to prevent a short circuit.

How to read this manual

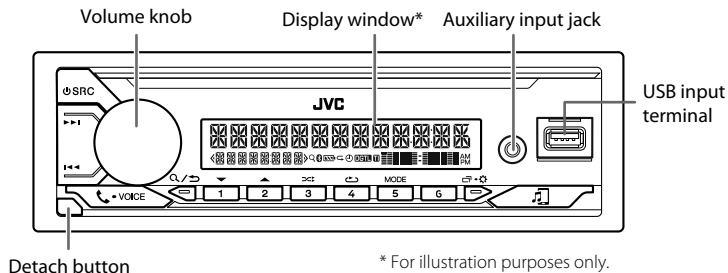
- The displays and faceplates shown in this manual are examples used to provide clear explanations of the operations. For this reason, they may be different from the actual displays or faceplates.
- Operations are explained mainly using buttons on the faceplate of KD-X375T.
- English indications are used for the purpose of explanation. You can select the display language from the menu. (Page 6)
- [XX] indicates the selected items.
- (Page XX) indicates references are available on the stated page.



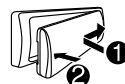
This symbol on the product means there are important operating and maintenance instructions in this manual. Be sure to carefully read instructions in this manual.

BASICS

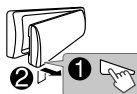
Faceplate



Attach



Detach



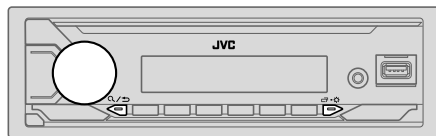
How to reset



Reset the unit within 5 seconds after detaching the faceplate.

To	On the faceplate
Turn on the power	Press SRC . • Press and hold to turn off the power.
Adjust the volume	Turn the volume knob. Press the volume knob to mute the sound or pause playback. • Press again to cancel. The volume level returns to the previous level before muting or pause.
Select a source	• Pres SRC repeatedly. • Pres SRC , then turn the volume knob within 2 seconds.
Change the display information	Press INFO repeatedly. (→ 28)

Getting Started



1 Cancel the demonstration

When you turn on the power for the first time (or [FACTORY RESET] is set to [YES], see page 6), the display shows: "CANCEL DEMO" → "PRESS" → "VOLUME KNOB"

- 1 Press the volume knob.
[YES] is selected for the initial setup.
- 2 Press the volume knob again.
"DEMO OFF" appears.

2 Set the clock and date

- 1 Press and hold to enter the clock setting menu.
- 2 Turn the volume knob to select [CLOCK], then press the knob.

To adjust the clock

- 3 Turn the volume knob to select [CLOCK ADJUST], then press the knob.
- 4 Turn the volume knob to make the settings, then press the knob.
Set the time in the order of "Hour" → "Minute".
- 5 Turn the volume knob to select [CLOCK FORMAT], then press the knob.
- 6 Turn the volume knob to select [12H] or [24H], then press the knob.

To set the date

- 7 Turn the volume knob to select [DATE SET], then press the knob.
- 8 Turn the volume knob to make the settings, then press the knob.
Set the date in the order of "Day" → "Month" → "Year".
- 9 Press to exit.

To return to the previous setting item, press .

3 Set the basic settings

- 1 Press and hold to enter the basic settings menu.
- 2 Turn the volume knob to select an item (see the following table), then press the knob.
- 3 Repeat step 2 until the desired item is selected or activated.
- 4 Press to exit.

To return to the previous setting item, press .

Default: [XX]

[SYSTEM]	
[KEY BEEP]	(Not applicable when 3-way crossover is selected.) [ON]: Activates the keypress tone. ; [OFF]: Deactivates.
[SOURCE SELECT]	
[AM SRC]*	[ON]: Enables AM in source selection. ; [OFF]: Disables. (Page 6)
[SPOTIFY SRC]*	[ON]: Enables SPOTIFY/SPOTIFY BT in source selection. ; [OFF]: Disables. (Page 11)
[BT AUDIO SRC]*	[ON]: Enables BT AUDIO in source selection. ; [OFF]: Disables. (Page 19)
[BUILT-IN AUX]*	[ON]: Enables AUX in source selection. ; [OFF]: Disables. (Page 10)

* Not displayed when the corresponding source is selected.

Getting Started

[F/W UPDATE]

[UPDATE SYSTEM]

[F/W UP xxxx] [YES]: Starts upgrading the firmware. ; [NO]: Cancels (upgrading is not activated).
For details on how to update the firmware, visit
<<http://www.jvc.net/cs/car/>>.

[FACTORY RESET]

[YES]: Resets the settings to default (except the stored station). ;
[NO]: Cancels.

[CLOCK]

[TIME SYNC]

[ON]: The clock time is automatically set using the Clock Time (CT) data in FM Radio Data System signal. ; [OFF]: Cancels.

[CLOCK DISPLAY]

[ON]: The clock time is shown on the display even when the unit is turned off. ; [OFF]: Cancels.

[ENGLISH]

[РУССКИЙ]

[ESPANOL]

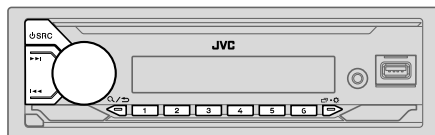
Select the display language for menu and music information if applicable.
By default, [ENGLISH] is selected.

[FRANCAIS]

[DEMO MODE]

[ON]: Activates the display demonstration automatically if no operation is done for about 15 seconds. ; [OFF]: Deactivates.

RADIO



“STEREO” lights up when receiving an FM stereo broadcast with sufficient signal strength.

- 1 Press **SRC** repeatedly to select FM or AM.
- 2 Press **◀** / **▶** to search for a station automatically.
(or)
Press and hold **◀** / **▶** until “M” flashes, then press repeatedly to manually search for a station.

Settings in memory

You can store up to 18 stations for FM, 6 stations for FM-LO and 6 stations for AM.

Store a station

While listening to a station....

Press and hold one of the number buttons (1 to 6).
(or)

- 1 Press and hold the volume knob until “PRESET MODE” flashes.
- 2 Turn the volume knob to select a preset number, then press the knob.
The preset number flashes and “MEMORY” appears.

Radio

Select a stored station

Press one of the number buttons (1 to 6).

(or)

- 1 Press **Q/**.
- 2 Turn the volume knob to select a preset number, then press the knob.

Other settings

- 1 Press and hold **⇐**.
- 2 Turn the volume knob to select an item (see the following table), then press the knob.
- 3 Repeat step 2 until the desired item is selected/activated or follow the instructions stated on the selected item.
- 4 Press **⇐** to exit.

To return to the previous setting item, press **Q/**.

Default: **XX**

TUNER SETTING

- RADIO TIMER**
- 1 **[ONCE]/[DAILY]/[WEEKLY]/[OFF]**: Selecting the timer activation frequency.
 - 2 **[FM]/[FM-LO]/[AM]**: Select a band.
 - 3 Preset **[01] ~ [12]** (FM)/ Preset **[01] ~ [06]** (FM-LO/AM): Select a preset radio station.
 - 4 Set day*1 and turn on time.
The "Ⓢ" indicator lights up when completed.
The radio timer will not turn on in the following cases.
 - the device is turned off.
 - **[OFF]** is selected for **[AM SRC]** in the **[SOURCE SELECT]** menu after selecting the radio timer for AM. (Page 5)

SSM

FM: SSM 01-06/SSM 07-12; **FM-LO: SSM 01-06**: Automatic programming of up to 12 FM radio stations and 6 FM-LO radio stations. The text "SSM" stops flashing after the first 6 stations have been stored. Select **SSM 07-12** to store the next 6 FM radio stations.

LOCAL SEEK

ON: Searches only FM stations with good reception. ; **OFF**: Cancels.

- Settings made are applicable only to the selected source/station. Once you change the source/station, you need to make the settings again.

[IF BAND]

[AUTO]: Increases the tuner selectivity to reduce interference noises from adjacent FM stations. (Stereo effect may be lost.) ;
[WIDE]: Subjects to interference noises from adjacent FM stations, but sound quality will not be degraded and the stereo effect will remain.

[MONO SET]

[ON]: Improves the FM reception, but the stereo effect will be lost. ;
[OFF]: Cancels.

[NEWS SET]*2

[ON]: The unit will temporarily switch to News Programme if available. ;
[OFF]: Cancels.

[REGIONAL]*2

[ON]: Switches to another station only in the specific region using the "AF" control. ; **[OFF]**: Cancels.

[AF SET]

[ON]: Automatically searches for another station broadcasting the same program in the same Radio Data System network with better reception when the current reception is poor. ; **[OFF]**: Cancels.

[TI]

[ON]: Allows the unit to temporarily switch to Traffic Information if available ("TI" indicator lights up) while listening to all sources except in AM. ;
[OFF]: Cancels.

[PTY SEARCH]*2

Select a PTY code (see page 8).
If there is a station broadcasting a program of the same PTY code as you have selected, that station is tuned in.

*1 Available for selection only when **[ONCE]** or **[WEEKLY]** is selected in step 1.

*2 Only for FM source.

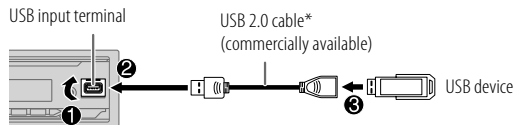
Radio

PTY code

NEWS, AFFAIRS, INFO, SPORT, EDUCATE, DRAMA, CULTURE, SCIENCE, VARIED, POP M (music), ROCK M (music), EASY M (music), LIGHT M (music), CLASSICS, OTHER M (music), WEATHER, FINANCE, CHILDREN, SOCIAL, RELIGION, PHONE IN, TRAVEL, LEISURE, JAZZ, COUNTRY, NATION M (music), OLDIES, FOLK M (music), DOCUMENT

USB/iPod

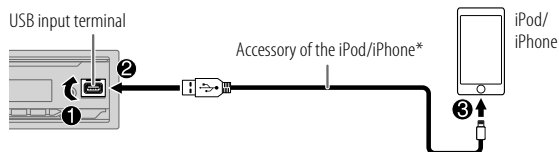
Connect a USB device



The source changes to USB automatically and playback starts.

* Do not leave the cable inside the car when not in use.

Connect an iPod/iPhone (for KD-X372BT)

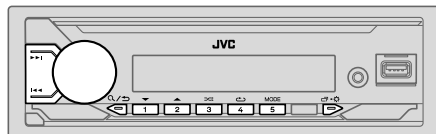


The source changes to iPod USB automatically and playback starts.

• You can also connect iPod/iPhone via Bluetooth. (Page 14)

* Do not leave the cable inside the car when not in use.

Basic operations



On the faceplate

Press and hold **◀◀ / ▶▶**.

Select a file Press **◀◀ / ▶▶**.

Select a folder*1 Press **2▲ / 1▼**.

Repeat play*2 Press **[REPEAT] (4)** repeatedly.

[TRACK REPEAT]/[FOLDER REPEAT]/[ALL REPEAT]:
MP3/WMA/AAC/WAV/FLAC file

[REPEAT ONE]/[REPEAT ALL]/[REPEAT OFF]:
iPod

Random play*2 Press **[SHUFFLE] (3)** repeatedly.

[FOLDER RANDOM]/[ALL RANDOM]/[RANDOM OFF]:
MP3/WMA/AAC/WAV/FLAC file

[SHUFFLE OFF]/[SHUFFLE ON]:
iPod

*1 This does not work for iPod.

*2 For iPod: Applicable only when **[HEAD MODE]** is selected. (Page 9)

Select music drive

While in USB source, press **5MODE** repeatedly.

Stored songs in the following drive will be played back.

- Selected internal or external memory of a smartphone (Mass Storage Class).
- Selected drive of a multiple drive device.

Select control mode

While in iPod USB source (or iPod BT source), press **5MODE** repeatedly.

[HEAD MODE]: Control iPod/iPhone from this unit.

[IPHONE MODE]: Control iPod/iPhone using the iPod/iPhone itself. However, you can still perform play/pause, file skip, fast-forward or fast-reverse from this unit.

Select a file to play

From a folder or list

- For iPod, applicable only when **[HEAD MODE]** is selected.

- 1 Press **Q / ▶**.
- 2 Turn the volume knob to select a folder/list, then press the knob.
- 3 Turn the volume knob to select a file, then press the knob.
Selected file starts playing.

USB/iPod

Quick search (applicable only for USB source)

If you have many files, you can search through them quickly.

- 1 Press **Q/↵**.
- 2 Turn the volume knob to select a folder/list, then press the knob.
- 3 Turn the volume knob quickly to browse through the list quickly.
- 4 Turn the volume knob to select a file, then press the knob.
Selected file starts playing.

Alphabet search (applicable only for iPod USB source and iPod BT source)

You can search for a file according to the first character.

- For iPod, applicable only when **[HEAD MODE]** is selected.

- 1 Press **Q/↵**.
- 2 Turn the volume knob to select a list, then press the knob.
- 3 Press **2▲/1▼** or turn the volume knob quickly to select the desired character (A to Z, 0 to 9, OTHERS).
Select "OTHERS" if the first character is other than A to Z, 0 to 9.
- 4 Press the volume knob to start searching.
Files with the characters you searched for or with similar characters (alphabetical order) will be displayed.
- 5 Turn the volume knob to select a file, then press the knob.
Selected file starts playing.

- To return to the previous setting item, press **Q/↵**.
- To cancel, press and hold **Q/↵**.

AUX

You can listen to music from a portable audio player via the auxiliary input jack.

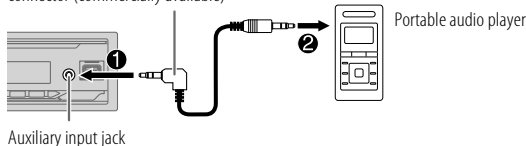
Preparation:

Select **[ON]** for **[BUILT-IN AUX]** in **[SOURCE SELECT]**. (Page 5)

Start listening

- 1 Connect a portable audio player (commercially available).

3.5 mm stereo mini plug with "L" shaped connector (commercially available)



- 2 Press **⏮ SRC** repeatedly to select AUX.
- 3 Turn on the portable audio player and start playback.



Use a 3-core plug head stereo mini plug for optimum audio output.

Spotify

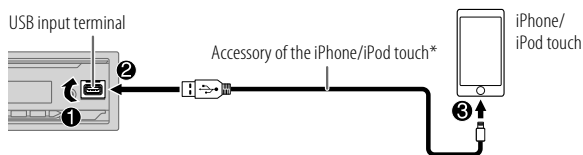
You can listen to Spotify on the following device.
iPhone/iPod touch (via Bluetooth or via USB input terminal) or Android device (via Bluetooth)

Preparation:

- Install the latest version of the Spotify application on your device (iPhone/iPod touch or Android device), then create an account and log in to Spotify.
- Select **[ON]** for **[SPOTIFY SRC]** in **[SOURCE SELECT]**. (Page 5)

Start listening

- 1 Start up the Spotify application on your device.
- 2 Connect your device to the USB input terminal.



You can also connect the iPhone/iPod touch or Android device via Bluetooth. (Page 14)

- Make sure the USB input terminal is not connected to any device when you connect via Bluetooth.
- 3 Press **⏮ SRC** repeatedly to select **SPOTIFY (for iPhone/iPod touch)** or **SPOTIFY BT (for Android device)**.
Broadcast starts automatically

* Do not leave the cable inside the car when not in use.

To	On the faceplate
Play back/pause	Press the volume knob.
Skip a track	Press ⏮*1 / ⏭1 .
Select thumbs up or thumbs down*2	Press 2▲ / 1▼ .
Start radio	Press and hold 5 .
Repeat play*3	Press ⏮ (4) repeatedly. [ALL REPEAT]/[ONE REPEAT]/[REPEAT OFF]
Random play*3	Press ⏮ (3) repeatedly.*1 [ALL RANDOM]/[RANDOM OFF]

*1 Available for premium account users only.

*2 This feature is available for tracks in Radio only. If thumbs down is selected, the current track is skipped.

*3 Available for tracks in Playlists only.

Save favorite song information

While listening to the Radio on Spotify...

Press and hold the volume knob.

"SAVED" appears and the information is stored to "Your Music" or "Your Library" on your Spotify account.

To unsave, repeat the same procedure.

"REMOVED" appears and the information is removed from "Your Music" or "Your Library" on your Spotify account.

Spotify

Search for a song or station

- 1 Press .
- 2 Turn the volume knob to select a list type, then press the knob.
The list types displayed differ depending on the information sent from Spotify.
- 3 Turn the volume knob to select the desired song or station, then press the knob.
You can browse through the list quickly by turning the volume knob quickly.

To cancel, press and hold .

Using Other Applications

JVC Remote application

You can control the JVC car receiver from the following device using JVC Remote application.
iPhone/iPod touch (via Bluetooth or via USB input terminal) or Android device (via Bluetooth)

- For more information, visit <<http://www.jvc.net/cs/car/>>.

Preparation:

Install the latest version of JVC Remote application on your device before connecting.

Start using JVC Remote application

- 1 Start up the JVC Remote application on your device.
- 2 Connect your device.
 - For Android device:
Pair the Android device with this unit via Bluetooth. (Page 14)
 - For iPhone/iPod touch:
Connect iPhone/iPod touch to the USB input terminal. (Page 8)
(or)
Pair the iPhone/iPod touch with this unit via Bluetooth. (Page 14)
(Make sure the USB input terminal is not connected to any device.)
- 3 Select the device to use from the menu.
See the following "Settings to use JVC Remote application".
For KD-X372BT: By default, [ANDROID] is selected. To use iPhone/iPod touch, select [YES] for [IOS].

Settings to use JVC Remote application

- 1 Press and hold -.
- 2 Turn the volume knob to select an item (see the following table), then press the knob.

Using Other Applications

3 Repeat step 2 until the desired item is selected or activated.

4 Press to exit.

To return to the previous setting item, press .

Default: **[XX]**

[REMOTE APP]	
[SELECT]	Selects the device ([IOS] or [ANDROID]) to use the application.
[IOS]	[YES]: Selects iPhone/iPod touch to use the application via Bluetooth or connected via USB input terminal. ; [NO]: Cancels. If [IOS] is selected, select iPod BT source (or iPod USB source if your iPhone/iPod touch is connected via USB input terminal) to activate the application. - The connectivity of the application will be interrupted or disconnected if: - You change from iPod BT source to any playback source connected via the USB input terminal. - You change from iPod USB source to iPod BT source.
[ANDROID]	[YES]: Selects Android device to use the application via Bluetooth. ; [NO]: Cancels.
[ANDROID LIST]	Selects the Android device to use from the list. Displayed only when [ANDROID] of [SELECT] is set to [YES].
[STATUS]	Shows the status of the selected device. [IOS CONNECTED]: You are able to use the application using the iPhone/iPod touch connected via Bluetooth or USB input terminal. [IOS NOT CONNECTED]: No iOS device is connected to use the application. [ANDROID CONNECTED]: You are able to use the application using the Android device connected via Bluetooth. [ANDROID NOT CONNECTED]: No Android device is connected to use the application.

Bluetooth®

- Depending on the Bluetooth version, operating system and the firmware version of your mobile phone, Bluetooth features may not work with this unit.
- Be sure to turn on the Bluetooth function of the device to make the following operations.
- Signal conditions vary depending on the surroundings.

Bluetooth — Connection

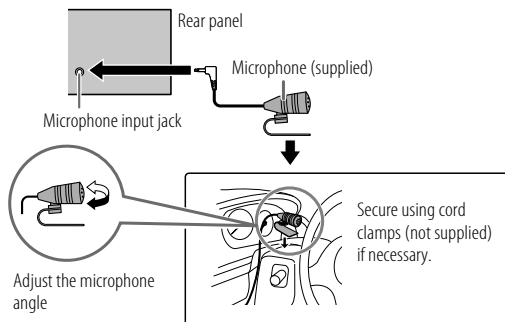
Supported Bluetooth profiles

- Hands-Free Profile (HFP)
- Advanced Audio Distribution Profile (A2DP)
- Audio/Video Remote Control Profile (AVRCP)
- Serial Port Profile (SPP)
- Phonebook Access Profile (PBAP)

Supported Bluetooth codecs

- Sub Band Codec (SBC)
- Advanced Audio Coding (AAC)

Connect the microphone



Pair and connect a Bluetooth device for the first time

- 1 Press  SRC to turn on the unit.
- 2 Search and select the name of your receiver ("KD-X375BT" on the Bluetooth device. "BT PAIRING" flashes on the display.
 - For some Bluetooth devices, you may need to enter the Personal Identification Number (PIN) code immediately after searching.
- 3 Perform (A) or (B) depending on what appears on the display.

For some Bluetooth devices, pairing sequence may vary from the steps described below.

(A) "Device Name" → "XXXXXX" → "VOL – YES" → "BACK – NO"
"XXXXXX" is a 6-digit passkey randomly generated during each pairing.

 - 1 Ensure that the passkeys appear on the unit and Bluetooth device are the same.
 - 2 Press the volume knob to confirm the passkey.
 - 3 Operate the Bluetooth device to confirm the passkey.

(B) "Device Name" → "VOL – YES" → "BACK – NO"

 - 1 Press the volume knob to start pairing.
 - 2
 - If "PAIRING" → "PIN 0000" scrolls on the display, enter the PIN code "0000" into the Bluetooth device.
You can change to a desired PIN code before pairing.
(Page 17)
 - If only "PAIRING" appears, operate the Bluetooth device to confirm pairing.

The message "PAIRING COMPLETED" is displayed when pairing is completed, and  lights up when a Bluetooth connection is established.

" " The indicator lights up to show the battery charge of the connected device. See also [FORMAT] on page 26 for how to display battery power and signal strength.

- This unit supports Secure Simple Pairing (SSP).
- Up to five devices can be registered (paired) in total.
- Once the pairing is completed, the Bluetooth device will remain registered in the unit even if you reset the unit. To delete the paired device, see [DEVICE DELETE] on page 17.
- A maximum of two Bluetooth phones and one Bluetooth audio device can be connected at any time. To connect or disconnect the registered device, see [PHONE SELECT] or [AUDIO SELECT] in [BT MODE]. (Page 17)
However, while in BT AUDIO source, you can connect to five Bluetooth audio devices and switch between these five devices. (Page 19)
- Some Bluetooth devices may not automatically connect to the unit after pairing. Connect the device to the unit manually.
- When the battery of the connected Bluetooth device runs low, "Device Name" → "LOW BATTERY" appears.
- Refer to the instruction manual of the Bluetooth device for more information.

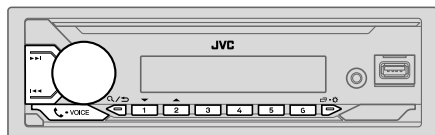
Auto Pairing

When you connect iPhone/iPod touch to the USB input terminal, pairing request (via Bluetooth) is automatically activated if [AUTO PAIRING] is set to [ON]. (Page 18)

Press the volume knob to pair once you have confirmed the device name.

Bluetooth®

Bluetooth — Mobile phone



Receive a call

When there is an incoming call:

- The buttons will blink in the blinking pattern you have selected in [RING COLOR]. (Page 16)
- The unit answers the call automatically if [AUTO ANSWER] is set to a selected time. (Page 16)

During a call:

- The buttons stop flashing and light up in the color you selected in [RING COLOR]. (page 16)
- If you turn off the unit or detach the faceplate, Bluetooth is disconnected.

The following operations may differ or be unavailable depending on the connected phone.

To	On the faceplate
First incoming call...	
Answer a call	Press • VOICE or the volume knob.
Reject a call	Press and hold • VOICE or the volume knob.
End a call	Press and hold • VOICE or the volume knob.

To	On the faceplate
While talking on the first incoming call...	
Answer another incoming call and hold the current call	Press • VOICE or the volume knob.
Reject another incoming call	Press and hold • VOICE or the volume knob.

While having two active calls...

End current call and activate held call	Press and hold • VOICE or the volume knob.
Swap between the current call and held call	Press • VOICE.

Adjust the phone volume*1 [00] to [35] (Default: [15])	Turn the volume knob during a call.
Switch between hands-free and private talk modes*2	Press during a call.

*1 This setting does not affect the volume level of other sources.

*2 Press and hold VOL + to incrementally increase the volume level up to 15.

*3 Available functionality depends on the connected Bluetooth device.

Improve the voice quality

While talking on the phone...

- 1 Press and hold • .
- 2 Turn the volume knob to select an item (see the table page 16), then press the knob.
- 3 Repeat step 2 until the desired item is selected or activated.
- 4 Press • to exit.

To return to the previous setting item, press .

Default: [XX]

[MIC GAIN]	[LEVEL -10] to [LEVEL +10] ([LEVEL -04]): The sensitivity of the microphone increases as the number increases.
[NR LEVEL]	[LEVEL -05] to [LEVEL +05] ([LEVEL 00]): Adjust the noise reduction level until the least noise is being heard during a phone conversation.
[ECHO CANCEL]	[LEVEL -05] to [LEVEL +05] ([LEVEL 00]): Adjust the echo cancellation delay time until the least echo is being heard during a phone conversation.

Make the settings for receiving a call

- 1 Press • VOICE to enter Bluetooth mode.
- 2 Turn the volume knob to select an item (see the following table), then press the knob.
- 3 Repeat step 2 until the desired item is selected or activated.

To return to the previous setting item, press .

Default: [XX]

[SETTINGS]	
[AUTO ANSWER]	[01 SEC] to [30 SEC]: Answers an incoming call automatically in the selected time (in seconds). ; [OFF]: Cancels.
[RING COLOR]	[COLOR 01] to [COLOR 49] ([COLOR 08]): Select the button illumination color for notification when there is an incoming call and during a call. ; [OFF]: Cancel.

Make a call

You can make a call from the call history, phonebook, or dialing the number. Call by voice is also possible if your mobile phone has the feature.

- 1 Press • VOICE to enter Bluetooth mode.
“(First device name)” appears.
 - If two Bluetooth phones are connected, press • VOICE again to switch to the other phone.
“(Second device name)” appears.
- 2 Turn the volume knob to select an item (see the following table), then press the knob.
- 3 Repeat step 2 until the desired item is selected/activated or follow the instructions stated on the selected item.

To return to the previous setting item, press .

[RECENT CALL]	(Applicable only if the phone supports PBAP.) 1 Press the volume knob to select a name or a phone number. • “<” indicates call received, “>” indicates call made, “M” indicates call missed. • “NO HISTORY” appears if there is no recorded call history or call number. 2 Press the volume knob to call.
[PHONEBOOK]	(Applicable only if the phone supports PBAP.) 1 Press 2▲ / 1▼ to select the desired letter (A to Z, 0 to 9, and OTHERS). • “OTHERS” appears if the first character is other than A to Z, 0 to 9. 2 Turn the volume knob to select a name, then press the knob. 3 Turn the volume knob to select a phone number, then press the knob to call. • For using phonebook with this unit, make sure to allow access or transfer from your smartphone. Depending on the connected phone, the process may be different. • This unit can display only non-accent letters. (Accent letters such as “Ů” are shown as “U”).

Bluetooth®

[DIAL NUMBER]	1 Turn the volume knob to select a number (0 to 9) or character (*, #, +). 2 Press ◀◀ / ▶▶ to move the entry position. Repeat step 1 and step 2 until you finish entering the phone number. 3 Press the volume knob to call.
[VOICE]	Speak the name of the contact you want to call or the voice command to control the phone functions. (See also "Make a call using voice recognition".)

Make a call using voice recognition

- 1 Press and hold -VOICE to activate the voice recognition of the connected phone.
 - 2 Speak the name of the contact you want to call or the voice command to control the phone functions.
- Supported Voice Recognition features vary for each phone. Refer to the instruction manual of the connected phone for details.

Store a contact in memory

You can store up to 6 contacts into the number buttons (1 to 6).

- 1 Press -VOICE to enter Bluetooth mode.
- 2 Turn the volume knob to select [RECENT CALL], [PHONEBOOK] or [DIAL NUMBER], then press the knob.
- 3 Turn the volume knob to select a contact or enter a phone number.
If a contact is selected, press the volume knob to show the phone number.
- 4 Press and hold one of the number buttons (1 to 6).
"MEMORY P(selected preset number)" appears when the contact is stored.

To erase a contact from the preset memory, select [DIAL NUMBER] in step 2, store a blank number in step 3 and proceed to step 4.

Make a call to a registered number

- 1 Press -VOICE to enter Bluetooth mode.
- 2 Press one of the number buttons (1 to 6).
- 3 Press the volume knob to call.
"NO PRESET" appears if there is no contact stored.

Bluetooth mode settings

- 1 Press and hold -.
- 2 Turn the volume knob to select an item (see the following table), then press the knob.
- 3 Repeat step 2 until the desired item is selected/activated or follow the instructions stated on the selected item.
- 4 Press - to exit.

To return to the previous setting item, press /◀.

Default: [XX]

[BT MODE]	
[PHONE SELECT]	Selects the phone or audio device to connect or disconnect. "✖" appears in front of the device name when connected.
[AUDIO SELECT]	"▷" appears in front of the current playback audio device. • You can connect a maximum of two Bluetooth phones and one Bluetooth audio device at a time.
[DEVICE DELETE]	1 Turn the volume knob to select a device to delete, then press the knob. 2 Turn the volume knob to select [YES] or [NO], then press the knob.
[PIN CODE EDIT] (0000)	Changes the PIN code (up to 6 digits). 1 Turn the volume knob to select a number. 2 Press ◀◀ / ▶▶ to move the entry position. Repeat step 1 and step 2 until you finish entering the PIN code. 3 Press the volume knob to confirm.

Bluetooth®

[RECONNECT]	[ON]: The unit is automatically reconnect when the last connected Bluetooth device is within the connectable range. ; [OFF]: Cancels.
[AUTO PAIRING]	[ON]: The unit is automatically paired with the supported Bluetooth device (iPhone/iPod touch) when it is connected through USB input terminal. Depending on the operating system of the connected device, this function may not work. ; [OFF]: Cancels.
[INITIALIZE]	[YES]: Initializes all the Bluetooth settings (including stored pairing, phonebook, and etc.). ; [NO]: Cancels.
[INFORMATION]	[MY BT NAME]: Displays the name of your receiver ("KD-X375BT". ; [MY ADDRESS]: Shows address of this unit.

Bluetooth compatibility check mode

You can check the connectivity of the supported profile between the Bluetooth device and the unit.

- Make sure there is no Bluetooth device paired.

1 Press and hold VOICE.

"BLUETOOTH" ↔ "CHECK MODE" appears. "SEARCH NOW USING PHONE" → "PIN IS 0000" scrolls on the display.

2 Search and select the name of your receiver ("KD-X375BT") on the Bluetooth device within 3 minutes.

3 Perform (A), (B) or (C) depending on what appears on the display.

(A) "PAIRING" → "XXXXXX" (6-digit passkey): Ensure that the same passkey appears on the unit and Bluetooth device, then operate the Bluetooth device to confirm the passkey.

(B) "PAIRING" → "PIN IS 0000": Enter "0000" on the Bluetooth device.

(C) "PAIRING": Operate the Bluetooth device to confirm pairing.

After pairing is done successfully, "PAIRING OK" → "Device Name" appears and Bluetooth compatibility check starts.

If "CONNECT NOW USING PHONE" appears, operate the Bluetooth device to allow phonebook access to continue.

"TESTING" flashes on the display.

The connectivity result flashes on the display.

"PAIRING OK" and/or "HANDS-FREE OK"*1 and/or "AUD.STREAM OK"*2 and/or "PBAP OK"*3: Compatible

*1 Compatible with Hands-Free Profile (HFP)

*2 Compatible with Advanced Audio Distribution Profile (A2DP)

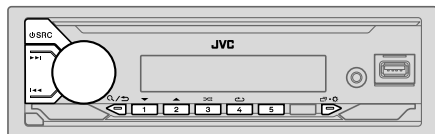
*3 Compatible with Phonebook Access profile (PBAP)

After 30 seconds, "PAIRING DELETED" appears to indicate that pairing has been deleted, and the unit exits check mode.

- To cancel, press and hold  SRC to turn off the power, then turn on the power again.

Bluetooth®

Bluetooth — Audio



While in BT AUDIO source, you can connect to five Bluetooth audio devices and switch between these five devices.

Listen to the audio player via Bluetooth

- 1 Press SRC repeatedly to select BT AUDIO.
 - Pressing enters BT AUDIO directly.
- 2 Operate the audio player via Bluetooth to start playback.

To	On the faceplate
Play back/pause	Press the volume knob.
Select group or folder	Press 2▲ / 1▼.
Reverse skip/Forward skip	Press I◀◀ / ▶▶I.
Reverse/Fast-forward	Press and hold I◀◀ / ▶▶I.
Repeat play	Press (4) repeatedly. [TRACK REPEAT]/[FOLDER REPEAT]/[ALL REPEAT]/ [GROUP REPEAT]*1
Random play	Press (3) repeatedly. [GROUP RANDOM]*1/[FOLDER RANDOM]/[ALL RANDOM]/[RANDOM OFF]

To

On the faceplate

Select a file from a folder/ list Refer to “Select a file to play” on page 9.

Switch between connected Bluetooth audio devices Press 5.*2

*1 Depending on the connected device, some devices may not support this feature.

*2 Pressing the “Play” key on the connected device itself also causes switching of sound output from the device.

Operations and display indications may differ according to their availability on the connected device.

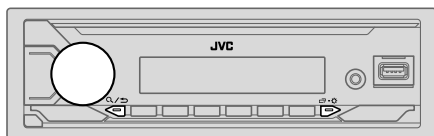
Listen to iPod/iPhone via Bluetooth (for KD-X372BT)

You can listen to the songs on the iPod/iPhone via Bluetooth on this unit.

Press SRC repeatedly to select iPod BT.

- You can operate the iPod/iPhone in the same way as iPod/iPhone via USB input terminal. (Page 8)
- If you plug in an iPod/iPhone to the USB input terminal while listening to iPod BT source, the source automatically changes to iPod USB source. Press SRC to select iPod BT source if the device is still connected via Bluetooth.

Audio Settings



- 1 Press and hold + .
- 2 Turn the volume knob to select an item (see the following table), then press the knob.
- 3 Repeat step 2 until the desired item is selected/activated or follow the instructions stated on the selected item.
- 4 Press + to exit.

To return to the previous setting item, press / .

Default: [XX]

[EQ SETTING]

[PRESET EQ]

Selects a preset equalizer suitable to the music genre.

- Select [USER] to use the settings made in [EASY EQ] or [PRO EQ].
[FLAT]/[DRVN 3]/[DRVN 2]/[DRVN 1]/[HARD ROCK]/[HIP HOP]/[JAZZ]/[POP]/[R&B]/[USER]/[CLASSICAL]
- When the display demonstration is activated ([ON] is selected initially, page 5), [HARD ROCK] is automatically selected as the [PRESET EQ].
— If you set [DEMO MODE] to [OFF] (page 5), [FLAT] is selected as the default setting for [PRESET EQ].
- Drive equalizer ([DRVN 3]/[DRVN 2]/[DRVN 1]) boosts specific frequencies in the audio signal to reduce the noise heard from outside the car or running noise of the tyres.

[EASY EQ]

Adjusts your own sound settings.

- The settings are stored to [USER] in [PRESET EQ].
- The settings made may affect the current settings of [PRO EQ].
[SUB.W SP]*1*2: [00] to [+06] (Default: [+03])
[SUB.W]*1*3: [−50] to [+10] [00]
[BASS]: [LVL−09] to [LVL+09] [LVL 00]
[MID]: [LVL−09] to [LVL+09] [LVL 00]
[TRE]: [LVL−09] to [LVL+09] [LVL 00]

[PRO EQ]

Adjusts your own sound settings for each source.

- The settings are stored to [USER] in [PRESET EQ].
- The settings made may affect the current settings of [EASY EQ].

[62.5HZ]

[LEVEL −09] to [LEVEL +09] ([LEVEL 00]): Adjusts the level to memorize for each source. (Before making an adjustment, select the source you want to adjust.)

[ON]: Turns on the extended bass. ; [OFF]: Cancels.

[100HZ]/[160HZ]/[250HZ]/[400HZ]/[630HZ]/[1KHZ]/[1.6KHZ]/[2.5KHZ]/[4KHZ]/[6.3KHZ]/[10KHZ]/[16KHZ]

[LEVEL −09] to [LEVEL +09] ([LEVEL 00]): Adjusts the level to memorize for each source. (Before making an adjustment, select the source you want to adjust.)

[Q FACTOR] [1.35]/[1.50]/[2.00]: Adjust the quality factor.

[AUDIO CONTROL]

[BASS BOOST] [LEVEL +01] to [LEVEL +05]: Selects your preferred bass boost level. ; [OFF]: Cancels.

[LOUDNESS] [LEVEL 01]/[LEVEL 02]: Boosts low or high frequencies to produce a well-balanced sound at low volume. ; [OFF]: Cancels.

Audio Settings

[SUB.W LEVEL]*1	[SPK-OUT]*2	(Not applicable when 3-way crossover is selected.) [SUB.W 00] to [SUB.W +06] ([SUB.W +03]): Adjusts the output level of the subwoofer connected via speaker lead. (Page 34)
	[PRE-OUT]*3	[SUB.W -50] to [SUB.W +10] ([SUB.W 00]): Adjusts the output level of the subwoofer connected to the lineout terminals (SW or REAR/SW) through an external amplifier. (Page 34)
[SUBWOOFER SET]*3	[ON]: Turns on the subwoofer output. ; [OFF]: Cancels.	
[FADER]	(Not applicable when 3-way crossover is selected.) [POSITION R15] to [POSITION F15] ([POSITION 00]): Adjusts the front and rear speaker output balance.	
[BALANCE]*4	[POSITION L15] to [POSITION R15] ([POSITION 00]): Adjusts the left and right speaker output balance.	
[VOLUME ADJUST]	[LEVEL -15] to [LEVEL +06] ([LEVEL 00]): Presets the initial volume level of each source by comparing to the FM volume levels. (Before adjustment, select the source you want to adjust.)	
[AMP GAIN]	[LOW POWER]: Limits the maximum volume level to 25. (Select if the maximum power of each speaker is less than 50 W to prevent damaging the speakers.) ; [HIGH POWER]: The maximum volume level is 35.	
[SPK/PRE OUT]	(Not applicable when 3-way crossover is selected.) Depending on the speaker connection method, select the appropriate setting for the desired output. (See "Speaker output settings" on page 22.)	
[SPEAKER SIZE]	Depending on the crossover type you have selected (see [X ' OVER TYPE]), 2-way crossover or 3-way crossover setting items will be shown. (See "Crossover settings" on page 22.)	
[X ' OVER]	By default, 2-way crossover type is selected.	

[DTA SETTINGS]	For settings, see "Digital Time Alignment settings" on page 26.
[CAR SETTINGS]	
[X ' OVER TYPE]	Caution: Adjusts the volume before changing the [X ' OVER TYPE] to avoid the sudden increase or decrease of the output level.
[2-WAY]	(Displayed only when [3-WAY] is selected.) [YES]: Selects two way crossover type. ; [NO]: Cancels.
[3-WAY]	(Displayed only when [2-WAY] is selected.) [YES]: Selects three way crossover type. ; [NO]: Cancels.
[SOUND EFFECT]	
[SPACE ENHANCE]	(Not applicable for FM/AM source.) [SMALL]/[MEDIUM]/[LARGE]: Virtually enhances the sound space. ; [OFF]: Cancels.
[SND RESPONSE]	[LEVEL1]/[LEVEL2]/[LEVEL3]: Virtually makes the sound more realistic. ; [OFF]: Cancels.
[SOUND LIFT]	[LOW]/[MIDDLE]/[HIGH]: Virtually adjusts the sound position heard from the speakers. ; [OFF]: Cancels.
[VOL LINK EQ]	[ON]: Boosts the frequency to reduce the noise heard from outside the car or running noise of the tyres. ; [OFF]: Cancels.
[K2 TECHNOLOGY]	(Not applicable for FM/AM source and AUX source.) [ON]: Improves the sound quality of compressed music. ; [OFF]: Cancels.

*1 Displayed only when [SUBWOOFER SET] is set to [ON].

*2 For 2-way crossover: Displayed only when the setting is [SPK/PRE OUT] is set to [SUB.W/SUB.W]. (Page 22)

*3 This setting does not affect the subwoofer output.

AUDIO SETTINGS

Speaker output settings [SPK/PRE OUT]

(Applicable only if [X' OVER TYPE] is set to [2-WAY]) (→ 21)

Select the output setting for the speakers [SPK/PRE OUT], based on the speaker connection method.

Connection via lineout terminals

For connections through an external amplifier. (→ 33)

Setting on [SPK/PRE OUT]	Audio signal through lineout terminal	
	FRONT	REAR/SW
REAR/REAR	Front speakers output	Rear speakers output
REAR/SUB.W (default)	Front speakers output	Subwoofer output
SUB.W/SUB.W	Front speakers output	Subwoofer output

Connection via speaker leads

For connections without using an external amplifier. However, with this settings you can also enjoy the subwoofer output. (→ 31)

Setting on [SPK/PRE OUT]	Audio signal through rear speaker lead	
	L (left)	R (right)
REAR/REAR	Rear speakers output	Rear speakers output
REAR/SUB.W	Rear speakers output	Rear speakers output
SUB.W/SUB.W	Subwoofer output	(Mute)

If [SUB.W/SUB.W] is selected:

- [120HZ] is selected in [SUBWOOFER LPF] and [THROUGH] is not available. (→ 23)
- [POSITION R02] is selected in [FADER] and selectable range is [POSITION R15] to [POSITION 00]. (→ 21)

Crossover settings

Below are the available setting items for 2-way crossover and 3-way crossover.

⚠ Caution

Select a crossover type according to how the speakers are connected. (→ 33)
If you select a wrong type:

- The speakers may damage.
- The output sound level may be extremely high or low.

SPEAKER SIZE

Selects according to the connected speaker size for optimum performance.

- The frequency and slope settings are automatically set for the crossover of the selected speaker.
- When 2-way crossover is selected, if [NONE] is selected for [TWEETER] of [FRONT], [REAR] and [SUBWOOFER] for [SPEAKER SIZE], the [X' OVER] setting of the selected speaker is not available.
- When 3-way crossover is selected, if [NONE] is selected for [WOOFER] of [SPEAKER SIZE], the [X' OVER] setting of [WOOFER] is not available.

X' OVER (crossover)

- [FRQ / [F-HPF FRQ]/[R-HPF FRQ]/[SW LPF FRQ]/[HPF FRQ]/[LPF FRQ]: Adjusts the crossover frequency for the selected speakers (high pass filter or low pass filter).
If [THROUGH] is selected, all signals are sent to the selected speakers.
- [SLOPE / [F-HPF SLOPE]/[R-HPF SLOPE]/[SW LPF SLOPE]/[HPF SLOPE]/[LPF SLOPE]: Adjusts the crossover slope.
Selectable only if a setting other than [THROUGH] is selected for the crossover frequency.
- [SW LPF PHASE]/[PHASE]: Selects the phase of the speaker output to be in line with the other speaker output.
- [GAIN LEFT]/[GAIN RIGHT]/[F-HPF GAIN]/[R-HPF GAIN]/[SW LPF GAIN]/[GAIN]: Adjusts the output volume of the selected speaker.

Audio Settings

2-way crossover setting items

[SPEAKER SIZE]			
[FRONT]	[SIZE]	[8CM]/[10CM]/[12CM]/[13CM]/[16CM]/[17CM]/[18CM]/[4×6]/[5×7]/[6×8]/[6×9]/[7×10]	
	[TWEETER]	[SMALL]/[MIDDLE]/[LARGE]/[NONE] (not connected)	
[REAR]*1		[8CM]/[10CM]/[12CM]/[13CM]/[16CM]/[17CM]/[18CM]/[4×6]/[5×7]/[6×8]/[6×9]/[7×10]/[NONE] (not connected)	
[SUBWOOFER]*2*3		[16CM]/[20CM]/[25CM]/[30CM]/[38CM OVER]/[NONE] (not connected)	
[X ' OVER]			
[TWEETER]	[FRQ]	[1KHZ]/[1.6KHZ]/[2.5KHZ]/[4KHZ]/[5KHZ]/[6.3KHZ]/[8KHZ]/[10KHZ]/[12.5KHZ]	
	[GAIN LEFT]	[−08DB] to [00DB]	
	[GAIN RIGHT]	[−08DB] to [00DB]	
[FRONT HPF]	[F-HPF FRQ]	[30HZ]/[40HZ]/[50HZ]/[60HZ]/[70HZ]/[80HZ]/[90HZ]/[100HZ]/[120HZ]/[150HZ]/[180HZ]/[220HZ]/[250HZ]/[THROUGH]	
	[F-HPF SLOPE]	[−06DB]/[−12DB]/[−18DB]/[−24DB]	
	[F-HPF GAIN]	[−08DB] to [00DB]	
[REAR HPF]*1	[R-HPF FRQ]	[30HZ]/[40HZ]/[50HZ]/[60HZ]/[70HZ]/[80HZ]/[90HZ]/[100HZ]/[120HZ]/[150HZ]/[180HZ]/[220HZ]/[250HZ]/[THROUGH]	
	[R-HPF SLOPE]	[−06DB]/[−12DB]/[−18DB]/[−24DB]	
	[R-HPF GAIN]	[−08DB] to [00DB]	

[SUBWOOFER LPF]*2*3	[SW LPF FRQ]	[30HZ]/[40HZ]/[50HZ]/[60HZ]/[70HZ]/[80HZ]/[90HZ]/[100HZ]/[120HZ]/[150HZ]/[180HZ]/[220HZ]/[250HZ]/[THROUGH]
	[SW LPF SLOPE]	[−06DB]/[−12DB]/[−18DB]/[−24DB]
	[SW LPF PHASE]	[REVERSE] (180°)/[NORMAL] (0°)
	[SW LPF GAIN]	[−08DB] to [00DB]

3-way crossover setting items

[SPEAKER SIZE]		
[TWEETER]	[SMALL]/[MIDDLE]/[LARGE]	
[MID RANGE]	[8CM]/[10CM]/[12CM]/[13CM]/[16CM]/[17CM]/[18CM]/[4×6]/[5×7]/[6×8]/[6×9]	
[WOOFER]*3	[16CM]/[20CM]/[25CM]/[30CM]/[38CM OVER]/[NONE] (not connected)	
[X ' OVER]		
[TWEETER]	[HPF FRQ]	[1KHZ]/[1.6KHZ]/[2.5KHZ]/[4KHZ]/[5KHZ]/[6.3KHZ]/[8KHZ]/[10KHZ]/[12.5KHZ]
	[SLOPE]	[−06DB]/[−12DB]
	[PHASE]	[REVERSE] (180°)/[NORMAL] (0°)
	[GAIN]	[−08DB] to [00DB]

Audio Settings

[MID RANGE]	[HPF FRQ]	[30HZ]/[40HZ]/[50HZ]/[60HZ]/[70HZ]/[80HZ]/[90HZ]/[100HZ]/[120HZ]/[150HZ]/[180HZ]/[220HZ]/[250HZ]/[THROUGH]
	[HPF SLOPE]	[−06DB]/[−12DB]
	[LPF FRQ]	[1KHZ]/[1.6KHZ]/[2.5KHZ]/[4KHZ]/[5KHZ]/[6.3KHZ]/[8KHZ]/[10KHZ]/[12.5KHZ]/[THROUGH]
	[LPF SLOPE]	[−06DB]/[−12DB]
	[PHASE]	[REVERSE] (180°)/[NORMAL] (0°)
	[GAIN]	[−08DB] to [00DB]
[WOOFER]*3	[LPF FRQ]	[30HZ]/[40HZ]/[50HZ]/[60HZ]/[70HZ]/[80HZ]/[90HZ]/[100HZ]/[120HZ]/[150HZ]/[180HZ]/[220HZ]/[250HZ]/[THROUGH]
	[SLOPE]	[−06DB]/[−12DB]
	[PHASE]	[REVERSE] (180°)/[NORMAL] (0°)
	[GAIN]	[−08DB] to [00DB]

*1 Displayed only when [SPK/PRE OUT] is set to [REAR/REAR]. (Page 22)

*2 Displayed only when [SUBWOOFER SET] is set to [ON]. (Page 21)

Digital Time Alignment settings

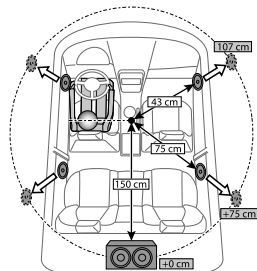
The digital signal delay function sets the speaker output delay time to create a more suitable environment for your car.

- For more information, see “Determining the Time delays automatically” on page 25.

[DTA SETTINGS]	
[POSITION]	Selects your listening position (reference point). [ALL]: Not compensating ; [FRONT RIGHT]: Front right seat ; [FRONT LEFT]: Front left seat ; [FRONT ALL]: Front seats • [FRONT ALL] is displayed only when [X ' OVER TYPE] is set to [2-WAY]. (Page 21)
[DISTANCE]*1	[0CM] to [610CM]: Fine adjust the distance to compensate.
[GAIN]*1	[−8DB] to [0DB]: Fine adjust the output volume of the selected speaker.
[DTA RESET]	[YES]: Resets the settings ([DISTANCE] and [GAIN]) of the selected [POSITION] to default. ; [NO]: Cancels.
[CAR SETTINGS]	
[CAR TYPE]	[COMPACT]/[FULL SIZE CAR]/[WAGON]/[MINIVAN]/[SUV]/[MINIVAN(LONG)]: Selects the type of vehicle. ; [OFF]: Not compensating.
[R-SP LOCATION]*2	Selects the location of the rear speakers in your vehicle to calculate the furthest distance from the listening position selected (reference point). • [DOOR]/[REAR DECK]: Selectable only when [CAR TYPE] is selected as [OFF], [COMPACT], [FULL SIZE CAR], [WAGON] or [SUV]. • [2ND ROW]/[3RD ROW]: Selectable only when [CAR TYPE] is selected as [MINIVAN] or [MINIVAN(LONG)].

Audio Settings

Determining the delay time automatically



If you specify the distance from the currently set listening position to every speaker, the delay time will be automatically calculated.

- 1 Set **[POSITION]** and determine the listening position as the reference point (the reference point for **[FRONT ALL]** will be the center between the right and left in the front seats).
- 2 Measure the distances from the reference point to the speakers.
- 3 Calculate the distance between the furthest speaker (subwoofer on the illustration) and other speakers.
- 4 Sets the **[DISTANCE]** calculated in step 3 for individual speakers.
- 5 Adjusts **[GAIN]** for individual speakers.

Example: When **[FRONT ALL]** is selected as the listening position

*1 Before making an adjustment, select the speaker:

When 2-way crossover is selected:

[FRONT LEFT]/[FRONT RIGHT]/[REAR LEFT]/[REAR RIGHT]/[SUBWOOFER]:

- **[REAR LEFT]**, **[REAR RIGHT]** and **[SUBWOOFER]** is selectable only if a setting other than **[NONE]** is selected for **[REAR]** and **[SUBWOOFER]** of **[SPEAKER SIZE]**. (Page 23)

When 3-way crossover is selected:

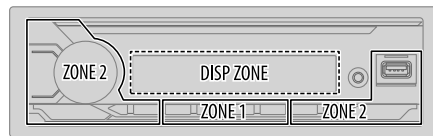
[TWEETER LEFT]/[TWEETER RIGHT]/[MID LEFT]/[MID RIGHT]/[WOOFER]:

- **[WOOFER]** is selectable only if a setting other than **[NONE]** is selected for **[WOOFER]** of **[SPEAKER SIZE]**. (Page 23)

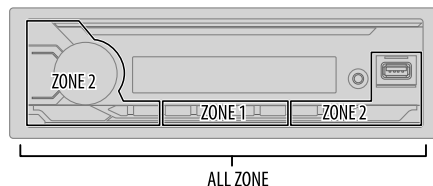
*2 Displayed only when **[X'OVER TYPE]** is set to **[2-WAY]** (page 21) and if a setting other than **[NONE]** is selected for **[REAR]** of **[SPEAKER SIZE]**. (Page 23)

Display Settings

Zone identification for brightness settings



Zone identification for color adjustment



- 1 Press and hold .
- 2 Turn the volume knob to select an item (see the following table), then press the knob.
- 3 Repeat step 2 until the desired item is selected/activated or follow the instructions stated on the selected item.
- 4 Press to exit.

To return to the previous setting item, press or .

Display Settings

Default: [XX]

[DISPLAY]	
[DIMMER]	Dims the illumination. [OFF]: Dimmer is turned off. Brightness changes to [DAY] setting. [ON]: Dimmer is turned on. Brightness changes to [NIGHT] setting. (See the following "[BRIGHTNESS]" settings.) [DIMMER TIME]: Set the time to turn on dimmer and to turn off dimmer. 1 Turn the volume knob to adjust the [ON] time, then press the knob. 2 Turn the volume knob to adjust the [OFF] time, then press the knob. (Default: [ON]: [18:00] ; [OFF]: [6:00]) [DIMMER AUTO]: Dimmer turns on and off automatically when you turn off or on the car headlights.*1
[BRIGHTNESS]	Sets the brightness for day and night separately. 1 [DAY]/[NIGHT]: Select day or night. 2 Select a zone. (See the illustration on the left column.) 3 [LEVEL 00] to [LEVEL 31]: Set the brightness level.
[TEXT SCROLL]*2	[SCROLL ONCE]: Scrolls the display information once. ; [SCROLL AUTO]: Repeats scrolling at 5-second intervals. ; [SCROLL OFF]: Cancels.
[FORMAT]*3	The information below is shown on the secondary display when a Bluetooth device is connected. (Page 28) [BATT/SIGNAL]: Displays the battery power and signal strength. ; [DATE]: Date display.

[COLOR]	
[PRESET]	Select illumination colors separately for buttons in different zones. - Zone selection ([ZONE 1], [ZONE 2], [ALL ZONE]). (See the illustration on page 25.) - Select a color for the selected area. [COLOR 01] to [COLOR 49] [USER]: The color you created for [DAY COLOR] or [NIGHT COLOR] is displayed. [COLOR FLOW01] to [COLOR FLOW03]: The color changes at different speeds. [CRYSTAL]/[FLOWER]/[FOREST]/[GRADATION]/[OCEAN]/[RELAX]/[SUNSET]: The selected color combination is displayed.*4 (Available for selection only when the option is selected in step 1 [ALL ZONE].)
[DAY COLOR]	Save your own day and night lighting colors for different areas. 1 Zone selection ([ZONE 1], [ZONE 2]). (See illustration on page 25.) 2 [RED]/[GREEN]/[BLUE]: Select the base color. 3 [00] to [31]: Select the level. Repeat steps 2 and 3 for all primary colors.
[NIGHT COLOR]	- Your setting is stored to [USER] in [PRESET]. [NIGHT COLOR] or [DAY COLOR] is changed by turning on or off your car's headlights.
[MENU GUIDE]	[ON]: When settings are made in the menu and list search, the illumination color of [ZONE 1] and [ZONE 2] changes to white except in color setting mode. ; [OFF]: Cancel.

*1 Dimmer wire connection required. (Page 33)

*2 Some letters or symbols will not be displayed correctly (or will not be displayed) on the display.

*3 Operation depends on the type of telephone used.

*4 When one of these color combinations is selected, the illumination colors of [ZONE 1] and [ZONE 2] change to the default colors.

References

Maintenance

Cleaning the unit

Wipe off dirt on the faceplate with a dry silicone or soft cloth.

Cleaning the connector

Detach the faceplate and clean the connector gently with a cotton swab. Be careful not to damage the connector.



Connector (on the reverse side of the faceplate)

More information

- For:
- Latest firmware updates and latest compatible item list
 - JVC original application
 - Any other latest information

Visit <www.jvc.net/cs/car/>.

Playable files

- Playable audio file:
For USB mass storage class device:
MP3 (.mp3), WMA (.wma), AAC (.aac), AAC (.m4a), WAV (.wav), FLAC (.flac)
- Playable USB device file system: FAT12, FAT16, FAT32
Even when audio files comply with the standards listed above, playback may be impossible depending on the types or conditions of media or devices.
- For detailed information and notes about the playable audio files, visit
<www.jvc.net/cs/car/audiofile/>.

About USB devices

- You cannot connect a USB device via a USB hub.
- Connecting a cable whose total length is longer than 5 m may result in abnormal playback.
- This unit cannot recognize a USB device whose rating is other than 5 V and exceeds 1.5 A.

About iPod/iPhone

- Made for
 - iPod touch (6th generation)
 - iPhone 5S, 6, 6 Plus, 6S, 6S Plus, SE, 7, 7 Plus, 8, 8 Plus, X, XS, XS MAX, XR (iOS 12.1 or later)
- It is not possible to browse video files on the “Videos” menu in **[HEAD MODE]**.
- The song order displayed on the selection menu of this unit may differ from that of the iPod/iPhone.
- You cannot operate iPod if “JVC” or “✓” is displayed on iPod.
- Depending on the version of the operating system of the iPod/iPhone, some functions may not operate on this unit.

About Spotify

- Spotify application supports:
 - iPhone 5S, 6, 6 Plus, 6S, 6S Plus, SE, 7, 7 Plus, 8, 8 Plus, X, XS, XS MAX, XR (iOS 12.1 or later)
 - iPod touch (6th generation)
 - Android OS 4.0.3 or later
- Spotify is a third party service, therefore the specifications are subject to change without prior notice. Accordingly, compatibility may be impaired or some or all of the services may become unavailable.
- Some functions of Spotify cannot be operated from this unit.
- For issues using the application, please contact Spotify at <www.spotify.com>.

References

Change the display information

Each time you press  , the display information changes.

- If the information is unavailable or not recorded, "NO TEXT", "NO NAME", or other information (eg. station name) appears or display will be blank.



*1 When [FORMAT] is set to [BATT/SIGNAL], the battery charge and signal strength of the connected Bluetooth device will be displayed instead of the date. (Page 26)

Source name	Display information
FM/FM-LO or AM	Frequency (Date) ➔ Frequency (Date) ➔ with Music Sync Effect*2 ➔ back to the beginning (For FM Radio Data System stations only) Station name (PS)/Program type (PTY) ➔ Radio text ➔ Radio text+ ➔ Radio text+ title/Radio text+ artist ➔ Frequency ➔ Clock ➔ Station name (PS)/Program type (PTY) with Music Sync Effect*2 ➔ (back to the beginning)
USB	(For MP3/WMA/AAC/WAV/FLAC files) Song title/Artist ➔ Album name/Artist ➔ Folder name ➔ File name ➔ Playing time ➔ Clock ➔ Song title/Artist with music synchronisation* ➔ (back to the beginning)

Source name	Display information
iPod USB/iPod BT	When [HEAD MODE]/[AUTO MODE] is selected (➔ 8): Song title/Artist ➔ Album name/Artist ➔ Playing time ➔ Clock ➔ Song title/Artist with music synchronisation* ➔ (back to the beginning)
SPOTIFY/SPOTIFY BT	Context title ➔ Song title ➔ Artist name ➔ Album name ➔ Playing Time ➔ Clock ➔ Context title with music synchronisation* ➔ (back to the beginning)
BT AUDIO	Song title/Artist ➔ Album name/Artist ➔ Playing time ➔ Clock ➔ Song title/Artist with music synchronisation* ➔ (back to the beginning)
AUX	AUX ➔ Clock ➔ AUX with music synchronisation* ➔ (back to the beginning)

* When the Music Sync Effect is running, the backlight color or brightness level buttons changes and synchronizes with the music level (depending on the color setting set for [PRESET] on page 26).

Available Cyrillic letters

	Available characters		Display indications													
А	Б	В	Г	Д	Е	Ж	З	И	Й	К	Л	М	Н	О	П	Р
А	Б	В	Г	Д	Е	Ж	З	И	Й	К	Л	М	Н	О	П	Р
С	Т	У	Ф	Х	Ц	Ч	Ш	Щ	Ъ	Ы	Ь	Э	Ю	Я	Ё	
С	Т	У	Ф	Х	Ц	Ч	Ш	Щ	Ъ	Ы	Ь	Э	Ю	Я	Ё	

Troubleshooting

Symptom	Remedy
General	Sound cannot be heard. - Adjust the volume to the optimum level. - Check the cords and connections.
	"MISWIRING CHECK WIRING THEN PWR ON" appears. Turn the power off, then check to be sure the terminals of the speaker wires are insulated properly. Turn the power on again.
	"PROTECTING SEND SERVICE" appears. Send the unit to the nearest service center.
	Source cannot be selected. Check the [SOURCE SELECT] setting. (Page 5)
	The unit does not work at all. Reset the unit. (Page 4)
	Correct characters are not displayed. - This unit can only display uppercase letters, numbers, and a limited number of symbols. - Depending on the display language you have selected (page 6), some characters may not be displayed correctly.
Radio	- Radio reception is poor. - Static noise while listening to the radio. Connect the antenna firmly.
USB/iPod	Playback order is not as intended. The playback order is determined by the file name (USB).
	Elapsed playing time is not correct. This depends on the recording process earlier (USB).
	"NOT SUPPORT" appears and track skips. Check whether the track is a playable format. (Page 27)
	"READING" keeps flashing. - Do not use too many hierarchical levels and folders. - Reattach the device (USB/iPod/iPhone).

Symptom	Remedy
USB/iPod	"UNSUPPORTED DEVICE" appears. - Check whether the connected USB device is compatible with this unit and ensure the file systems are in supported formats. (Page 27) - Reattach the USB device.
	"UNRESPONSIVE DEVICE" appears. Make sure the USB device is not malfunction and reattach the USB device.
	"USB HUB IS NOT SUPPORTED" appears. This unit cannot support a USB device connected via a USB hub.
	"CANNOT PLAY" appears. Connect a USB device that contains playable audio files.
	- The source does not change to "USB" when you connect a USB device while listening to another source. "USB ERROR" appears The USB port is drawing more power than the design limit. Turn the power off and unplug the USB device. Then, turn on the power and reattach the USB device. If this does not solve the problem, turn the power off and on (or reset the unit) before replacing with another USB device.
	The iPod/iPhone does not turn on or does not work. - Check the connection between this unit and iPod/iPhone. - Disconnect and reset the iPod/iPhone using hard reset.
	"LOADING" appears when you enter search mode by pressing Q/⏮ . This unit is still preparing the iPod/iPhone music list. It may take some time to load, try again later.
	"NO DEVICE" Connect a device (USB/iPod/iPhone), and change the source to USB/iPod/iPhone again.
	"MEMORY FULL" You have reached the maximum storage limit of your iPod/iPhone.

Troubleshooting

Symptom	Remedy
Spotify	"DISCONNECTED" USB is disconnected from the head unit. Please make sure the device is connected properly through USB.
	"CONNECTING" - Connected via USB input terminal: The device is connecting to the head unit. Please wait. - Connected via Bluetooth: The Bluetooth is disconnected. Please check Bluetooth connection and make sure both the device and unit are paired and connected.
	"CHECK APP" The Spotify application is not connected properly or user is not login. End the Spotify application and restart. Then, log in to your Spotify account.
Bluetooth®	No Bluetooth device is detected. - Search from the Bluetooth device again. - Reset the unit. (Page 4)
	Bluetooth pairing cannot be made. - Make sure you have entered the same PIN code to both the unit and Bluetooth device. - Delete pairing information from both the unit and the Bluetooth device, then perform pairing again. (Page 14)
	Echo or noise is heard during a phone conversation. - Adjust the microphone unit's position. (Page 13) - Check the [ECHO CANCEL] setting. (Page 16)
	Phone sound quality is poor. - Reduce the distance between the unit and the Bluetooth device. - Move the car to a place where you can get a better signal reception.
	Voice calling method is not successful. - Use voice calling method in a more quiet environment. - Reduce the distance from the microphone when you speak the name. - Make sure the same voice as the registered voice tag is used.

Symptom	Remedy
Bluetooth®	Sound is being interrupted or skipped during playback of a Bluetooth audio player. - Reduce the distance between the unit and the Bluetooth audio player. - Turn off, then turn on the unit and try to connect again. - Other Bluetooth devices might be trying to connect to the unit.
	The connected Bluetooth audio player cannot be controlled. - Check whether the connected Bluetooth audio player supports Audio/Video Remote Control Profile (AVRCP). (Refer to the instructions of your audio player.) - Disconnect and connect the Bluetooth player again.
	"PLEASE WAIT" The unit is preparing to use the Bluetooth function. If the message does not disappear, turn off and turn on the unit, then connect the device again.
	"NOT SUPPORT" The connected phone does not support Voice Recognition feature or phonebook transfer.
	"NO ENTRY"/"NO PAIR" There is no registered device connected/found via Bluetooth.
	"ERROR" Try the operation again. If "ERROR" appears again, check if the device supports the function you have tried.
	"NO INFO"/"NO DATA" Bluetooth device cannot get the contact information.
	"H/W ERROR" Reset the unit and try the operation again. If "H/W ERROR" appears again, consult your nearest service center.
	"SWITCHING NG" The connected phones might not support phone switching feature.
	The Bluetooth connection between the Bluetooth device and the unit is unstable. Delete the unused registered Bluetooth device from the unit. (Page 17)

If you still have troubles, reset the unit. (➡ 3)

Installation/Connection

This section is for the professional installer.
For safety's sake, leave wiring and mounting to professionals. Consult the car audio dealer.

▲ WARNING

- The unit can only be used with a 12 V DC power supply, negative ground.
- Disconnect the battery's negative terminal before wiring and mounting.
- Do not connect Battery wire (yellow) and Ignition wire (red) to the car chassis or Ground wire (black) to prevent a short circuit.
- To prevent short circuit:
 - Insulate unconnected wires with vinyl tape.
 - Be sure to ground this unit to the car's chassis again after installation.
 - Secure the wires with cable clamps and wrap vinyl tape around the wires that come in contact with metal parts to protect the wires.

▲ CAUTION

- Install this unit in the console of your vehicle. Do not touch the metal parts of this unit during and shortly after use of the unit. Metal parts such as the heat sink and enclosure become hot.
- Do not connect the ⊖ wires of speakers to the car chassis or Ground wire (black), or connect them in parallel.
- Connect speakers with a maximum power of more than 50 W. If the maximum power of the speakers is lower than 50 W, change the [AMP GAIN] setting to avoid damaging the speakers. (Page 22)
- Mount the unit at an angle of less than 30°.
- If your vehicle wiring harness does not have the ignition terminal, connect Ignition wire (red) to the terminal on the vehicle's fuse box which provides 12 V DC power supply and is turned on and off by the ignition key.
- Keep all cables away from heat dissipate metal parts.
- After the unit is installed, check whether the brake lamps, blinkers, wipers, etc. on the car are working properly.
- If the fuse blows, first make sure the wires are not touching car's chassis, then replace the old fuse with one that has the same rating.

Part list for installation

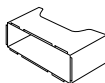
(A) Faceplate (×1)



(B) Trim plate (×1)



(C) Mounting sleeve (×1)



(D) Wiring harness (×1)



(E) Extraction key (×2)



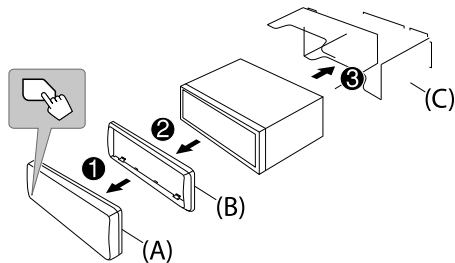
Basic procedure

- 1 Remove the key from the ignition switch, then disconnect the ⊖ terminal of the car battery.
- 2 Connect the wires properly.
See "Wiring connection" on page 32.
- 3 Install the unit to your car.
See "Installing the unit (in-dash mounting)".
- 4 Connect ⊖ the terminal of the car battery.
- 5 Press  SRC to turn on the power.
- 6 Detach the faceplate and reset the unit within 5 seconds. (Page 4)

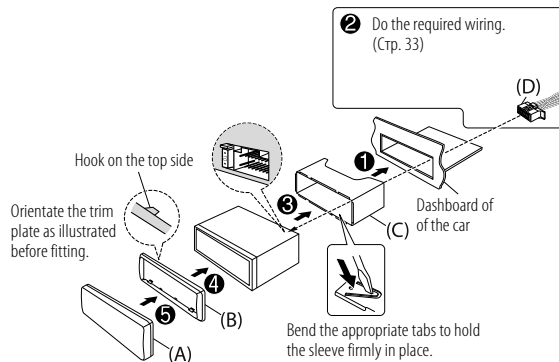
Installation/Connection

Installing the unit (in-dash mounting)

1

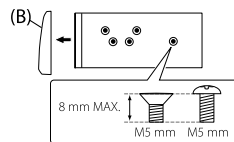


2



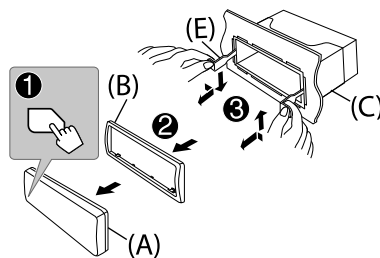
When installing without the mounting sleeve

- 1 Remove the mounting sleeve and trim plate from the unit.
- 2 Align the holes in the unit (on both sides) with the vehicle mounting bracket and secure the unit with screws (commercially available).



▲ Use only the specified screws. Using wrong screws might damage the unit.

How to remove the unit



Specifications

Tuner	FM	Frequency Range	FM 87.5MHz — 108.0MHz (50kHz step) FM LO 65.0MHz — 74.0MHz (30kHz step)
		Usable Sensitivity (S/N = 26 dB)	0.71 μ V/75 Ω (8.2 dBf)
		Quieting Sensitivity (DIN S/N = 46 dB)	2.0 μ V/75 Ω
		Frequency Response (± 3 dB)	30 Hz — 15 kHz
		Signal-to-Noise Ratio (MONO)	64 dB
		Stereo Separation (1 kHz)	40 dB
	AM (MW)	Frequency Range	531 kHz — 1 611 kHz (9 kHz step)
		Usable Sensitivity (S/N = 20 dB)	28.2 μ V (29 dB μ)
	AM (LW)	Frequency Range	153 kHz — 279 kHz (9 kHz step)
		Usable Sensitivity (S/N = 20 dB)	50 μ V (33.9 dB μ)
USB	USB Standard		USB 1.1, USB 2.0 (Full speed)
	Compatible Devices		Mass storage class
	File System		FAT12/16/32
	Maximum Supply Current		DC 5 V $\leq$ 1.5 A
	Digital Filter (D/A) Converter		24 Bit
	Frequency Response (± 1 dB)		20 Hz — 20 kHz
	Signal-to-Noise Ratio (1 kHz)		99 dB
	Dynamic Range		93 dB
	Channel Separation		89 dB

USB	MP3 Decode	Compliant with MPEG-1/2 Audio Layer-3
	WMA Decode	Compliant with Windows Media Audio
	AAC Decode	AAC-LC “.aac”, “.m4a”
	WAV Decode	Linear-PCM
	FLAC Decode	FLAC file, up to 24 bit/96 kHz
Auxiliary	Frequency Response (± 3 dB)	20 Hz — 20 kHz
	Input Maximum Voltage	1 000 mV
	Input Impedance	30 k Ω
Bluetooth	Version	Bluetooth V4.2
	Frequency Range	2.402 GHz — 2.480 GHz
	RF Output Power (E.I.R.P.)	+4 dBm (MAX), Power Class 2
	Maximum Communication Range	Line of sight approx. 10 m (32.8 ft)
	Pairing	SSP (Secure Simple Pairing)
	Profile	HFP1.7.1 (Hands-Free Profile)
		A2DP (Advanced Audio Distribution Profile)
		AVRCP1.6.1 (Audio/Video Remote Control Profile)
	PBAP (Phonebook Access Profile)	
	SPP (Serial Port Profile)	

Specifications

Audio	Maximum Output Power	50 W $\times$ 4 or 50 W $\times$ 2 + 50 W $\times$ 1 (Subwoofer = 4 Ω)
	Full Bandwidth Power (at less than 1 % THD)	22 W $\times$ 4
	Speaker Impedance	4 Ω — 8 Ω
	Preout Level/Load (USB)	5000 mV/10 k Ω load
	Preout Impedance	$\leq$ 600 Ω
General	Operating Voltage (10.5 V — 16 V allowable)	14.4 V
	Maximum Current Consumption	10 A
	Operating Temperature Range	–10°C — +60°C
	Installation Size (W $\times$ H $\times$ D)	182 mm $\times$ 53 mm $\times$ 100 mm
	Net Weight (includes Trimplate, Mounting Sleeve)	0.6 kg

Subject to change without notice.

- Microsoft and Windows Media are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
- Use of the Made for Apple badge means that an accessory has been designed to connect specifically to the Apple product(s) identified in the badge and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with an Apple product may affect wireless performance.
- Apple, iPhone, iPod, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.
- IOS is a trademark or registered trademark of Cisco in the U.S. and other countries and is used under license.
- Android is a trademark of Google LLC.
- SPOTIFY and the Spotify logo are among the registered trademarks of Spotify AB.
- The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by JVCKENWOOD Corporation is under license. Other trademarks and trade names are those of their respective owners.