Pioneer

DMH-1770NEX
DMH-1700NEX

RDS AV RECEIVER

English

SiriusXM READY

Operation Manual

Important (Serial number)

The serial number is located on the bottom of this unit. For your own security and convenience, be sure to record this number on the enclosed warranty card.

Contents

Thank you for buying this Pioneer product.
Please read through these instructions so you will know how to operate your model properly. After you have finished reading the instructions, keep this document in a safe place for future reference.

English

Important

The screen shown in the examples may differ from actual screens, which may be changed without notice for performance and function improvements.

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English

Precaution

Information to user

–MODEL NO.: DMH-1770NEX, DMH-1700NEX
FCC ID: AJDK116
IC: 775E-K116
–This device contains licence-exempt transmitter(s)/receiver(s) that complies with Part 15 of FCC Rules and Innovation, Science, and Economic Development Canada licence-exempt RSS(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of this device.
–The Bluetooth antenna cannot be removed (or replaced) by user.
–This equipment complies with FCC/ISED radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines and RSS-102 of the ISED radio frequency (RF) Exposure rules. This equipment has very low levels of RF energy that it deemed to comply without maximum permissive exposure evaluation (MPE). But it is desirable that it should be installed and operated keeping the radiator at least 20 cm or more away from person's body (excluding extremities: hands, wrists, feet and ankles).

–This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.
–Alteration or modifications carried out without appropriate authorization may invalidate the user's right to operate the equipment.
–NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
– Reorient or relocate the receiving antenna.
– Increase the separation between the equipment and receiver.
– Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
– Consult the dealer or an experienced radio/TV technician for help.

FEDERAL COMMUNICATIONS COMMISSION SUPPLIER'S DECLARATION OF CONFORMITY
Product Name: RDS AV RECEIVER
Model Number: DMH-1770NEX, DMH-1700NEX
Responsible Party Name: PIONEER ELECTRONICS (USA), INC. SERVICE SUPPORT DIVISION
Address: 2050 W. 190TH STREET, SUITE 100, TORRANCE, CA 90504, U.S.A.
Phone: 1-800-421-1404
URL: http://www.pioneerelectronics.com

CAN ICES-3 B/NMB-3 B

⚠ WARNING

Slots and openings in the cabinet are provided for ventilation to ensure reliable operation of the product, and to protect it from overheating. To prevent fire hazard, the openings should never be blocked or covered with items (such as papers, floor mat, cloths).

⚠ CAUTION

This product is evaluated in moderate and tropical climate condition under the Audio, video and similar electronic apparatus - Safety requirements, IEC 60065.

The Safety of Your Ears is in Your Hands

Get the most out of your equipment by playing it at a safe level—a level that lets the sound come through clearly without annoying blaring or distortion and, most importantly, without affecting your sensitive hearing. Sound can be deceiving.
Over time, your hearing "comfort level" adapts to higher volumes of sound, so what sounds "normal" can actually be loud and harmful to your hearing. Guard against this by setting your equipment at a safe level BEFORE your hearing adapts.

►ESTABLISH A SAFE LEVEL:

- Set your volume control at a low setting.
- Slowly increase the sound until you can hear it comfortably and clearly, without distortion.
- Once you have established a comfortable sound level, set the dial and leave it there.

►BE SURE TO OBSERVE THE FOLLOWING GUIDELINES:

- Do not turn up the volume so high that you can't hear what's around you.
- Use caution or temporarily discontinue use in potentially hazardous situations.
- Do not use headphones while operating a motorized vehicle; the use of headphones may create a traffic hazard and is illegal in many areas.

Important safety information

⚠ WARNING

- Do not attempt to install or service this product by yourself. Installation or servicing of this product by persons without training and experience in electronic equipment and automotive accessories may be dangerous and could expose you to the risk of electric shock, injury or other hazards.
- Do not allow this product to come into contact with liquids. Electrical shock could result. Also, damage to the product, smoke, and overheating could result from contact with liquids.
- If liquid or foreign matter should get inside this product, park your vehicle in a safe place, turn the ignition switch off (ACC OFF) immediately and consult your dealer or the nearest authorized Pioneer Service Station. Do not use this product in this condition because doing so may result in a fire, electric shock, or other failure.
- If you notice smoke, a strange noise or odor from this product, or any other abnormal signs on the LCD screen, turn off the power immediately and consult your dealer or the nearest authorized

Pioneer Service Station. Using this product in this condition may result in permanent damage to the system.

- Do not disassemble or modify this product, as there are high-voltage components inside which may cause an electric shock. Be sure to consult your dealer or the nearest authorized Pioneer Service Station for internal inspection, adjustments or repairs.
- Do not ingest the battery, Chemical Burn Hazard.
  (The remote control supplied or sold separately with) This product contains a coin/button cell battery. If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.
  Keep new and used batteries away from children.
  If the battery compartment does not close securely, stop using the product and keep it away from children.
  If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

Before using this product, be sure to read and fully understand the following safety information:

- Do not operate this product, any applications, or the rear view camera option (if purchased) if doing so will divert your attention in any way from the safe operation of your vehicle. Always observe safe driving rules and follow all existing traffic regulations. If you experience difficulty in operating this product, pull over, park your vehicle in a safe location and apply the parking brake before making the necessary adjustments.
- Never set the volume of this product so high that you cannot hear outside traffic and emergency vehicles.
- To promote safety, certain functions are disabled unless the vehicle is stopped and the parking brake is applied.
- Keep this manual handy as a reference for operating procedures and safety information.
- Do not install this product where it may (i) obstruct the driver's vision, (ii) impair the performance of any of the vehicle's operating systems or safety features, including air bags or hazard lamp buttons or (iii) impair the driver's ability to safely operate the vehicle.
- Please remember to fasten your seat belt at all times while operating your vehicle. If you are ever in an accident, your injuries can be considerably more severe if your seat belt is not properly buckled.
- Never use headphones while driving.
- Rear visibility systems (backup cameras) are required in certain new vehicles sold in the U.S. and Canada. U.S. regulations began according to a two year phase-in on May 1, 2016, and both the U.S. and Canada require that all such vehicles manufactured on or after May 1, 2018 have rear visibility systems. **Owners of vehicles equipped with compliant rear visibility systems should not install or use this product in a way that alters or disables that system's compliance with applicable regulations.** If you are unsure whether your vehicle has a rear visibility system subject to the U.S. or Canadian regulations, please contact the vehicle manufacturer or dealer.

If your vehicle has a compliant backup camera that displays the backup view through

the factory receiver, do not use the Pioneer receiver unless it is connected to and displays the same view as the factory backup camera. Connection to the factory backup camera will require an adaptor, sold separately. Not all vehicles may be able to connect. Please check with a qualified professional installer for installation options specific to your vehicle.

Parking brake interlock

Certain functions (such as viewing of video image and certain touch panel key operations) offered by this product could be dangerous (possibly resulting in serious injury or death) and/or unlawful if used while driving. To prevent such functions from being used while the vehicle is in motion, there is an interlock system that senses when the parking brake is set and when the vehicle is moving. If you attempt to use the functions described above while driving, they will become disabled until you stop the vehicle in a safe place, and (1) apply the parking brake, (2) release the parking brake, and then (3) apply the parking brake again. Please keep the brake pedal pushed down before releasing the parking brake.

To ensure safe driving

⚠ WARNING

- **LIGHT GREEN LEAD AT POWER CONNECTOR IS DESIGNED TO DETECT PARKED STATUS AND MUST BE CONNECTED TO THE POWER SUPPLY SIDE OF THE PARKING BRAKE SWITCH. IMPROPER CONNECTION OR USE OF THIS LEAD MAY VIOLATE APPLICABLE LAW AND MAY RESULT IN SERIOUS INJURY OR DAMAGE.**
- **Do not take any steps to tamper with or disable the parking brake interlock system which is in place for your protection. Tampering with or disabling the parking brake interlock system could result in serious injury or death.**
- **To avoid the risk of damage and injury and the potential violation of applicable laws, this product is not for use with a video image that is visible to the driver.**
- In some countries the viewing of video image on a display inside a vehicle even by persons other than the driver may be illegal. Where such regulations apply, they must be obeyed.

If you attempt to watch video image while driving, the warning **"Viewing of front seat video source while driving is strictly prohibited."** will appear on the screen. To watch video image on this display, stop the vehicle in a safe place and apply the parking brake. Please keep the brake pedal pushed down before releasing the parking brake.

When using a display connected to V OUT

The video output terminal (**V OUT**) is for connection of a display to enable passengers in the rear seats to watch video images.

⚠ WARNING

NEVER install the rear display in a location that enables the driver to watch video images while driving.

To avoid battery exhaustion

Be sure to run the vehicle engine while using this product. Using this product without running the engine can drain the battery.

⚠ WARNING

Do not install this product in a vehicle that does not have an ACC wire or circuitry available.

Rear view camera

With an optional rear view camera, you are able to use this product as an aid to keep an eye on trailers, or backing into a tight parking spot.

⚠ WARNING

- SCREEN IMAGE MAY APPEAR REVERSED.
- USE INPUT ONLY FOR REVERSE OR MIRROR IMAGE REAR VIEW CAMERA. OTHER USE MAY RESULT IN INJURY OR DAMAGE.

⚠ CAUTION

The rear view mode is to use this product as an aid to keep an eye on the trailers, or while backing up. Do not use this function for entertainment purposes.

Handling the USB connector

⚠ CAUTION

- To prevent data loss and damage to the storage device, never remove it from this product while data is being transferred.
- Pioneer cannot guarantee compatibility with all USB mass storage devices and assumes no responsibility for any loss of data on media players, iPhone®, smartphone, or other devices while using this product.
- It may not be recognized properly by this product if a USB device that had been incorrectly disconnected from the computer is connected.

Failure to operate

After-sales service for Pioneer products

Please contact the dealer or distributor from which you purchased the product for after-sales service (including warranty conditions) or any other information. In case the necessary information is not available, please contact the companies listed below.
Please do not ship your product to the companies at the addresses listed below for repair without making advance contact.
–USA&CANADA
Pioneer Electronics (USA) Inc.
CUSTOMER SUPPORT DIVISION
P.O. Box 1760 Long Beach, CA 90801-1760
800-421-1404
For warranty information, please see the Limited Warranty sheet included with your product.

Visit our website

Visit us at the following site:
https://www.pioneerelectronics.com/PUSA/
https://www.pioneerelectronics.ca/POCEN/

1 **Register your product.**

2 **Receive updates on the latest products and technologies.**

3 **Download owner's manuals, order product catalogs, research new products, and much more.**

4 **Receive notices of software upgrades and software updates.**

Protecting the LCD panel and screen

- Do not expose the LCD screen to direct sunlight when this product is not used. This may result in LCD screen malfunction due to the resulting high temperatures.
- When using a cellular phone, keep the antenna of the cellular phone away from the LCD screen to prevent disruption of the video in the form of spots, colored stripes, etc.
- To protect the LCD screen from damage, be sure to touch the touch panel keys only with your finger and do so gently.

Notes on internal memory

- The information will be erased by disconnecting the yellow lead from the battery (or removing the battery itself).
- Some of the settings and recorded contents will not be reset.

About this manual

- This manual uses diagrams of actual screens to describe operations. However, the screens on some units may not match those shown in this manual depending on the model used.
- When an iPhone is connected to the unit, the source name on the unit appears as [iPod]. Please note that this unit only supports iPhone regardless of the source name. For details of iPhone compatibility, refer to Compatible iPhone models (page 59).

English

Meanings of symbols used in this manual

0000NEX	This indicates model names that are supported by the described operations.
	This indicates to touch the appropriate soft key on the touch screen.
	This indicates to touch and hold the appropriate soft key on the touch screen.

À propos de ce mode d'emploi

Des schémas des écrans réels sont utilisés dans ce mode d'emploi pour décrire les opérations. Il se peut toutefois que les écrans de certains appareils ne correspondent pas à ceux de ce mode d'emploi, suivant le modèle utilisé.

Signification des symboles utilisés dans ce mode d'emploi

0000NEX	Indique les noms des modèles qui prennent en charge les opérations décrites.
	Indique qu'il faut toucher la touche programmable appropriée sur l'écran tactile.
	Indique qu'il faut toucher et maintenir la touche programmable appropriée sur l'écran tactile.

Précautions

Informations à l'intention de l'utilisateur

–MODÈLE Nº : DMH-1770NEX, DMH-1700NEX
ID FCC : AJDK116
IC : 775E-K116
–L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux la partie 15 des règles de la FCC et CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.
–L'antenne Bluetooth ne peut pas être supprimé (ou remplacé) par l'utilisateur.
–Cet équipement est conforme aux limites d'exposition aux rayonnements énoncées pour un environnement non contrôlé et respecte les règles les radioélectriques (RF) de la FCC lignes directrices d'exposition et d'exposition aux fréquences radioélectriques (RF) CNR-102 de l'ISDE. Cet équipement émet une énergie RF très faible qui est considérée conforme sans évaluation de l'exposition maximale autorisée. Cependant, cet équipement doit être installé et utilisé en gardant une distance de 20 cm ou plus entre le dispositif rayonnant et le corps (à l'exception des extrémités : mains, poignets, pieds et chevilles).

CAN ICES-3 B/NMB-3 B

⚠ ATTENTION

Les fentes et ouvertures dans le boîtier servent à assurer la ventilation et le bon fonctionnement du produit, ainsi qu'à le protéger d'une surchauffe. Pour prévenir les risques d'incendie, les ouvertures ne doivent jamais être bloquées ou couvertes par des articles (tels que journaux, tapis ou tissus).

⚠ ATTENTION

Ce produit a été évalué sous des conditions climatiques tempérées et tropicales, selon la norme CEI 60065, « Appareils audio, vidéo et appareils électroniques analogues – Exigences de sécurité ».

La protection de votre ouïe est entre vos mains

Pour assurer le rendement optimal de votre matériel et – plus important encore – la protection de votre ouïe, réglez le volume à un niveau raisonnable. Pour ne pas altérer votre sens de la perception, le son doit être clair mais ne produire aucun vacarme et être exempt de toute distorsion. Votre ouïe peut vous jouer des tours.
Avec le temps, votre système auditif peut en effet s'adapter à des volumes supérieurs, et ce qui vous semble un « niveau de confort normal » pourrait au contraire être excessif et contribuer à endommager votre ouïe de façon permanente. Le réglage de votre matériel à un volume sécuritaire AVANT que votre ouïe s'adapte vous permettra de mieux vous protéger.

▶CHOISISSEZ UN VOLUME SÉCURITAIRE :

– Réglez d'abord le volume à un niveau inférieur.
– Montez progressivement le volume jusqu'à un niveau d'écoute confortable ; le son doit être clair et exempt de distorsions.
– Une fois que le son est à un niveau confortable, ne touchez plus au bouton du volume.

▶N'OUBLIEZ PAS DE RESPECTER LES DIRECTIVES SUIVANTES :

– Lorsque vous montez le volume, assurez-vous de pouvoir quand même entendre ce qui se passe autour de vous.
– Faites très attention ou cessez temporairement l'utilisation dans les situations pouvant s'avérer dangereuses.
– N'utilisez pas des écouteurs ou un casque d'écoute lorsque vous opérez un véhicule motorisé ; une telle utilisation peut créer des dangers sur la route et est illégale à de nombreux endroits.

Importantes informations de sécurité

⚠ ATTENTION

- N'essayez pas d'installer cet appareil ou d'en faire l'entretien vous-même. L'installation ou l'entretien de cet appareil par des personnes sans formation et sans expérience en équipement électronique et en accessoires automobiles peut être dangereux et vous exposer à des risques d'électrocution ou à d'autres dangers.
- Ne laissez pas ce produit entrer en contact avec des liquides. Cela peut entraîner une décharge électrique. Le contact avec des liquides peut aussi causer des dommages au produit, de la fumée et une surchauffe.
- Si du liquide ou un corps étranger pénètre dans ce produit, stationnez votre véhicule dans un endroit sûr, mettez immédiatement le commutateur d'allumage en position d'arrêt (ACC OFF) et consultez votre détaillant ou le centre de service après-vente Pioneer agréé le plus près. N'utilisez pas ce produit dans cet état, car cela peut entraîner un incendie, une décharge électrique ou une panne.
- Si ce produit émet de la fumée, un bruit ou une odeur étrange, ou s'il y a tout autre signe d'anomalie sur l'écran LCD, éteignez-le immédiatement et consultez votre détaillant ou le centre de service après-vente Pioneer agréé le plus près. L'utilisation du produit dans cet état peut entraîner des dommages permanents au système.
- Ne démontez pas et ne modifiez pas ce produit, car il y a des composants sous haute tension à l'intérieur qui peuvent causer une décharge électrique. Veillez à consulter votre détaillant ou le centre de service après-vente Pioneer agréé le plus près pour l'inspection, le réglage ou la réparation des pièces internes.
- Ne pas ingérer la batterie : risque de brûlure chimique.
  (La télécommande fournie ou vendue séparément avec) Ce produit contient une pile-bouton. Si la pile-bouton est avalée, elle peut causer de graves brûlures internes au bout d'à peine deux heures et peut entraîner le décès.
  Gardez les batteries neuves et les batteries usées à l'écart des enfants.
  Si le logement à pile ne se ferme pas fermement, cessez d'utiliser le produit et gardez-le à l'écart des enfants.
  Si vous croyez que les piles ont peut-être été avalées ou placées à l'intérieur de toute partie du corps, consultez immédiatement un médecin.

Avant d'utiliser ce produit, vous devez lire et comprendre les informations suivantes sur la sécurité :

- N'utilisez pas ce produit, les applications ou la caméra de recul en option (le cas échéant) si cela vous distrait de quelque façon affectant l'utilisation sécuritaire de votre véhicule. Respectez toujours les règles de conduite sécuritaire et toute la réglementation routière en vigueur. Si vous avez du mal à utiliser ce produit, stationnez votre véhicule dans un emplacement sûr et engagez le frein de stationnement avant d'effectuer les réglages nécessaires.
- Ne montez jamais le volume de ce produit au point de ne pas pouvoir entendre la circulation et les véhicules d'urgence.
- Par mesure de sécurité, certaines fonctions restent désactivées à moins que le véhicule ne soit arrêté et que le frein de stationnement ne soit engagé.
- Gardez ce manuel à portée de la main comme référence au sujet des procédures d'utilisation et des informations de sécurité.
- N'installez pas ce produit là où il risque (i) de gêner la vision du conducteur, (ii) d'affecter le rendement de tout système ou de tout dispositif de sécurité du véhicule, y compris les coussins de sécurité gonflables ou les boutons de feux de détresse, ou (iii) d'affecter la capacité du conducteur à utiliser le véhicule de façon sécuritaire.
- Pensez à boucler votre ceinture de sécurité en tout temps lorsque vous conduisez votre véhicule. En cas d'accident, vos blessures risquent d'être considérablement plus graves si votre ceinture de sécurité n'est pas bien bouclée.
- Ne portez jamais de casque d'écoute au volant.
- Les systèmes de surveillance de marche arrière (caméras de secours) sont requis dans certains véhicules neufs vendus aux États-Unis et au Canada. La réglementation des États-Unis a commencé avec une intégration basée sur deux ans débutant le 1er mai 2016, et où les États-Unis et le Canada exigent que tous véhicules fabriqués à partir du 1er mai 2018 soient équipés de système de surveillance de marche arrière. **Les propriétaires de véhicules déjà équipés de systèmes de surveillance de marche arrière ne devraient pas installer ou utiliser ce produit de manière à altérer ou encore désactiver les fonctions de ce système basé sur les réglementations en vigueur.** Si vous ne savez pas si votre véhicule a un système de la sorte ou si il est sujet aux réglementations Américaines ou Canadiennes, nous vous invitons à contacter le fabricant ou le concessionnaire du véhicule.

  Si votre véhicule dispose d'une caméra de marche arrière compatible affichant un vue arrière via le récepteur (radio) d'origine, n'utilisez pas le récepteur Pioneer, à moins qu'il ne soit connecté et en mesure d'afficher la même vue que la caméra de marche arrière d'usine offre à la base. La connexion à la caméra d'usine nécessitera possiblement un adaptateur, vendu séparément. Certains véhicules peuvent être incompatibles. Vérifiez avec un installateur professionnel qualifié pour les options d'installation spécifiques à votre véhicule.

Interverrouillage du frein de stationnement

Certaines fonctions (telles que le visionnement d'images vidéo et certaines opérations avec les touches du panneau tactile) disponibles sur ce produit peuvent être dangereuses (avec risque de blessure grave ou de décès) et/ou illégales si elles sont utilisées tout en conduisant. Pour prévenir l'utilisation de telles fonctions pendant le déplacement du véhicule, un dispositif d'interverrouillage détecte l'engagement du frein de stationnement et le déplacement du véhicule. Si vous essayez d'utiliser les fonctions décrites ci-dessus tout en conduisant, elles se désactiveront jusqu'à ce que vous arrêtiez le véhicule dans un emplacement sûr et (1) engagiez le frein de stationnement, (2) libériez le frein de stationnement, puis (3) réengagiez le frein de stationnement. Veuillez laisser la pédale de frein enfoncée avant de libérer le frein de stationnement.

Pour une conduite sécuritaire

⚠ ATTENTION

- **LE FIL VERT PÂLE DU CONNECTEUR D'ALIMENTATION EST CONÇU POUR DÉTECTER LE STATIONNEMENT DU VÉHICULE ET DOIT ÊTRE CONNECTÉ DU CÔTÉ ALIMENTATION DU COMMUTATEUR DE FREIN DE STATIONNEMENT. LA CONNEXION OU L'UTILISATION INADÉQUATE DE CE FIL PEUT CONSTITUER UNE VIOLATION DE LA LOI APPLICABLE ET PEUT ENTRAÎNER UNE BLESSURE GRAVE OU DES DOMMAGES.**
- **Ne faites rien pour trafiquer ou désactiver le dispositif d'interverrouillage du frein de stationnement, mis en place pour assurer votre protection. Trafiquer ou désactiver le dispositif d'interverrouillage du frein de stationnement peut entraîner une blessure grave ou le décès.**
- **Pour éviter de courir le risque de dommages, de blessure et de violation potentielle des lois applicables, ce produit ne doit pas être utilisé avec une image vidéo visible pour le conducteur.**
- Dans certains pays, regarder l'image vidéo d'un afficheur à l'intérieur d'un véhicule peut être illégal même pour les passagers. Là où de tels règlements existent, ils doivent être respectés.

Si vous essayez de regarder l'image vidéo tout en conduisant, la mise en garde « **Visualiser la source vidéo du siège avant pendant la conduite est strictement interdit.** » apparaîtra sur l'écran. Pour regarder l'image vidéo sur l'afficheur, arrêtez le véhicule dans un endroit sûr et engagez le frein de stationnement. Veuillez laisser la pédale de frein enfoncée avant de libérer le frein de stationnement.

Lors de l'utilisation d'un afficheur connecté à V OUT

La borne de sortie vidéo (**V OUT**) est pour la connexion d'un afficheur, pour permettre aux passagers des sièges arrière de regarder des images vidéo.

⚠ ATTENTION

N'installez JAMAIS l'afficheur arrière dans un emplacement où le conducteur pourrait regarder les images vidéo tout en conduisant.

Pour éviter l'épuisement de la batterie

Assurez-vous que le moteur du véhicule tourne pendant l'utilisation de ce produit. Utiliser ce produit sans faire tourner le moteur peut mettre la batterie à plat.

⚠ ATTENTION

N'installez pas ce produit dans un véhicule qui n'a pas de fil ACC ou de circuit disponible.

Caméra de recul

Avec une caméra de recul en option, vous pouvez utiliser ce produit pour qu'il vous aide à garder un œil sur la remorque ou pour reculer dans un stationnement étroit.

⚠ ATTENTION

- L'IMAGE AFFICHÉE À L'ÉCRAN PEUT ÊTRE INVERSÉE.
- N'UTILISEZ L'ENTRÉE QUE POUR L'IMAGE DE MARCHE ARRIÈRE OU DE MIROIR DE CAMÉRA DE RECUL. TOUTE AUTRE UTILISATION PEUT ENTRAÎNER UNE BLESSURE OU DES DOMMAGES.

⚠ PRÉCAUTION

Le mode de vue arrière s'utilise avec ce produit comme dispositif d'aide pour garder un œil sur une remorque ou pour reculer. N'utilisez pas cette fonction à des fins de divertissement.

Manipuler le connecteur USB

⚠ PRÉCAUTION

- Pour éviter de perdre des données et d'endommager le support de mémoire, ne le retirez jamais de ce produit pendant l'exécution du transfert de données.
- Pioneer ne peut pas garantir la compatibilité avec tous les supports de mémoire de masse USB et n'assume aucune responsabilité pour toute perte de données sur les lecteurs multimédia, iPhone®, téléphones intelligents ou autres appareils pendant l'utilisation de ce produit.
- Il pourrait ne pas être reconnu correctement par ce produit lors de la connexion d'un appareil USB qui a été déconnecté incorrectement de l'ordinateur.

Non-fonctionnement

Service après-vente des produits Pioneer

Pour le service après-vente (y compris les conditions de garantie) ou toute autre information, veuillez contacter votre détaillant ou distributeur. Si les informations nécessaires ne sont pas disponibles, veuillez contacter les compagnies énumérées ci-dessous.
Veuillez ne pas envoyer votre produit pour réparation aux adresses de compagnies énumérées ci-dessous sans les avoir d'abord contactées.
–ÉTATS-UNIS ET CANADA
Pioneer Electronics (USA) Inc.
CUSTOMER SUPPORT DIVISION
P.O. Box 1760 Long Beach, CA 90801-1760
800-421-1404
Pour plus d'informations sur la garantie, veuillez lire la feuille Garantie limitée qui accompagne ce produit.

Visitez notre site Web

Visitez-nous sur le site suivant :
https://www.pioneerelectronics.com
https://www.pioneerelectronics.ca

1 **Enregistrez votre produit.**

2 **Recevez des mises à jour sur les plus récents produits et les nouvelles technologies.**

3 **Téléchargez des modes d'emploi, commandez des catalogues de produits, recherchez les nouveaux produits et bien plus encore.**

4 **Recevez des notifications sur les mises à niveau et mises à jour des logiciels.**

Protéger le panneau LCD et l'écran

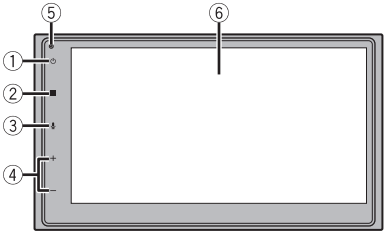
- Ne laissez pas l'écran LCD exposé aux rayons directs du soleil lorsque vous n'utilisez pas ce produit. Cela peut entraîner un problème de fonctionnement de l'écran LCD sous l'effet des températures élevées.
- Lorsque vous utilisez un téléphone cellulaire, gardez son antenne à l'écart de l'écran LCD pour éviter le brouillage de l'image vidéo sous forme de points, de bandes colorées, etc.
- Pour protéger l'écran LCD contre les dommages, pensez à ne toucher les touches du panneau tactile qu'avec les doigts, et tout doucement.

Remarques sur la mémoire interne

- Les informations seront effacées lors de la déconnexion du fil jaune de la batterie (ou du retrait de la batterie elle-même).
- Certains réglages et contenus enregistrés ne seront pas réinitialisés.

Parts and controls

Main unit

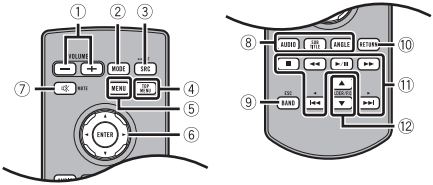


①	⏻	Touch to turn off the display information. To turn on the display information, touch again. Touch and hold to power off. To power back on, touch again. **TIP** If you power the unit off, you can turn off almost all functions. The unit turns on by operating the following functions: • An incoming call is received (only for hands-free phoning via Bluetooth). • A rear view camera image is input when the vehicle is in reverse. • A button on this unit is touched. • The ignition switch is turned off (ACC OFF), then turned on (ACC ON).
②	⊞	Touch to display the top menu screen. Touch and hold to mute or unmute.
③	🎤*	Touch to activate the voice recognition mode such as Siri® when the iPhone is connected to the unit via Bluetooth or USB.
④	VOL (+/-)	
⑤	RESET	Press to reset the microprocessor (page 12).
⑥	LCD screen	

* This function is available only when Apple CarPlay or Android Auto is activated.

Remote control

1770NEX



①	Volume (+/-)	
②	MODE	Press to switch between the Application screen and the AV operation screen. Press and hold to turn off the display.
③	SRC	Press to cycle through all the available sources. Press and hold to turn the source off.
④	TOP MENU	Not used.
⑤	MENU	Not used.
⑥	Thumb pad	Not used.
⑦	MUTE	
⑧	AUDIO SUBTITLE ANGLE	Not used.
⑨	BAND/ESC	Press to select the tuner band when tuner is selected as a source. Press to cancel the control mode of functions.
⑩	RETURN	Not used.
⑪	▶/❚❚	Press to pause or resume playback or play from the beginning when resume is off.
	◀◀ or ▶▶	For audio: Press and hold to perform fast reverse or fast forward. For video: Press to perform fast reverse or fast forward.
	❙◀◀ or ▶▶❙	Press to return to the previous track (chapter) or go to the next track (chapter). Press to answer or end a call.
	■	Press to stop playback. If you resume playback, playback will start from the point where you stopped. Press the button again to stop playback completely.
⑫	FOLDER/P.CH	Press to select the next or previous title or folder. Press to recall radio station frequencies assigned to preset channel keys. Press to answer or end a call.

1700NEX

The remote control is sold separately. For details concerning operations, see the remote control manual.

Basic operation

Resetting the microprocessor

⚠ CAUTION

- Pressing the RESET button resets settings and recorded contents to the factory settings.
  – Do not perform this operation when a device is connected to this product.
  – Some of the settings and recorded contents will not be reset.
- The microprocessor must be reset under the following conditions:
  – Prior to using this product for the first time after installation.
  – If this product fails to operate properly.
  – If there appears to be problems with the operation of the system.

1 **Turn the ignition switch OFF.**

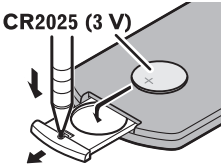
2 **Press RESET with a pen tip or other pointed tools.**
Settings and recorded contents are reset to the factory settings.

Preparing the remote control

1770NEX

Remove the insulation sheet before use.

How to replace the battery



Insert the CR2025 (3 V) battery with the plus (+) and minus (-) poles orientated properly.

⚠ WARNING

Batteries (battery pack or batteries installed) must not be exposed to excessive heat such as sunshine, fire or the like.

⚠ CAUTION

- Remove the battery if the remote control is not used for a month or longer.
- There is a danger of explosion if the battery is incorrectly replaced. Replace only with the same or equivalent type.
- Do not handle the battery with metallic tools.
- Do not store the battery with metallic objects.
- If the battery leaks, wipe the remote control completely clean and install a new battery.
- When disposing of used batteries, please comply with governmental regulations or environmental public institution's rules that apply in your country/area.
- "Perchlorate Material – special handling may apply. See www.dtsc.ca.gov/hazardouswaste/perchlorate. (Applicable to California, U.S.A.)"

Using the remote control

Point the remote control in the direction of the front panel to operate.

NOTE

The remote control may not function properly in direct sunlight.

Using the touch panel

You can operate this product by touching the keys on the screen directly with your fingers.

NOTE

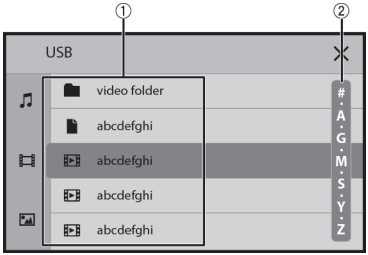
To protect the LCD screen from damage, be sure to touch the screen only with your finger gently.

English

Common touch panel keys

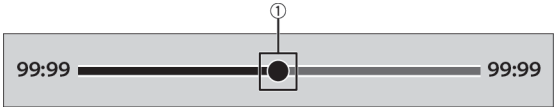
[↩]: Returns to the previous screen.
[×]: Close the screen.

Operating list screens



①	**Touching an item on the list allows you to narrow down the options and proceed to the next operation.**
②	**Appears when items cannot be displayed on a single page.** Drag the side bar, the initial search bar or the list to view any hidden items.

Operating the time bar



①	**You can change the playback point by dragging the key.** The playback time corresponding to the position of the key is displayed while dragging the key.

Top menu screen

①	**Source icons** **TIP** You can display the hidden source icon(s) by swiping left on the screen.
6/10 Sun 12:48	**Setting the time and date (page 49)**
	Settings (page 41)

English

Bluetooth®

Bluetooth connection

1 Turn on the Bluetooth function on the device.

2 Touch [ ].

3 Touch [ ] then [Bluetooth Settings].

The Bluetooth screen appears.

4 Touch [Search].

The unit starts to search for available devices, then displays them in the device list.
To search for available devices again, touch [ ].

5 Touch the Bluetooth device name.

After the device is successfully registered, a Bluetooth connection is established by the system. Once the connection is established, the device name is displayed on the list.

NOTES

- If five devices have already been paired, the first paired device will be deleted, and the new device will be registered (page 16).
- If your device supports SSP (Secure Simple Pairing), a six-digit number appears on the display of this product. Touch [Yes] to pair the device.

Bluetooth Settings

1 Touch [ ].

2 Touch [ ] then [Bluetooth Settings].

⚠ CAUTION

Never turn this product off and disconnect the device while the Bluetooth setting operation is being processed.

Menu Item	Description
[Connection]	Activate to connect the last connected Bluetooth device automatically.
[Auto Answer]	(page 17)
[Search]	Search for available devices.

Menu Item	Description
[Clear Records]	Touch [OK] to clear the Bluetooth memory.
[BT Paired Device List]	Display the paired device list. Touch [🗑] to delete registered device.
[Device Information]	Displaying the device name and address of this product.

English

Hands-free phoning

To use this function you need to connect your cellular phone to this product via Bluetooth in advance (page 15).

⚠ CAUTION

For your safety, avoid talking on the phone as much as possible while driving.

Making a phone call

1 Touch [≡].

2 Touch [📞].

The phone menu screen appears.

3 Touch one of the call icons on the phone menu screen.

	The following items are displayed. • Reception status of the current cellular phone • Battery status of the current cellular phone
	Synchronizes the contacts on this product's phone book with the contacts on your phone manually.
	Using phone book Select a contact from the phone book. Touch the desired name on the list then select the phone number. **TIPS** • The contacts on your phone will be automatically transferred to this product. • Update the phone book manually.
	Using call history Make a phone call from the received call [📞], dialed call [📞], or missed call [📞].
	Direct phone number input Touch the number keys to enter the phone number then touch [📞] to make a call.

▸To end the call

1 Touch [☎].

Receiving a phone call

1 Touch [ ] to answer the call.
Touch [ ] to end the call.

TIPS

- Touch [ ] while getting a call waiting, switch to the talking person.
- Touch [ ] while getting a call waiting to reject the call.

Voice recognition function (for iPhone)

By connecting your iPhone to this product, you can use the voice recognition function on this product.

TIP

You can also launch the voice recognition function by touching [ ] button.

Phone settings

1 Touch [ ].

2 Touch [ ] then [Bluetooth Settings].

Menu Item	Description
[Auto Answer]	Activate to answer an incoming call automatically.

Adjusting the other party's listening volume

This product can be adjusted to the other party's listening volume.

1 Touch [Vol] to switch between the three volume levels.

Notes for hands-free phoning

▸General notes

- Connection to all cellular phones featuring Bluetooth wireless technology is not guaranteed.
- The line-of-sight distance between this product and your cellular phone must be 10 meters or less when sending and receiving voice and data via Bluetooth technology.
- With some cellular phones, the ring sound may not be output from the speakers.
- If private mode is selected on the cellular phone, hands-free phoning may be disabled.

▶Registration and connection

- Cellular phone operations vary depending on the type of cellular phone. Refer to the instruction manual that came with your cellular phone for detailed instructions.
- When phone book transfer does not work, disconnect your phone and then perform pairing again from your phone to this product.

▶Making and receiving calls

- You may hear a noise in the following situations:
  – When you answer the phone using the button on the phone.
  – When the person on the other end of the line hangs up the phone.
- If the person on the other end of the line cannot hear the conversation due to an echo, decrease the volume level for hands-free phoning.
- With some cellular phones, even after you press the accept button on the cellular phone when a call comes in, hands-free phoning may not be performed.
- The registered name will appear if the phone number is already registered in the phone book. When the same phone number is registered under different names, only the phone number will be displayed.

▶The received call and dialed number histories

- You cannot make a call to the entry of an unknown user (no phone number) in the received call history.
- If calls are made by operating your cellular phone, no history data will be recorded in this product.

▶Phone book transfers

- If there are more than 1 000 phone book entries on your cellular phone, not all entries may download completely.
- Depending on the phone, this product may not display the phone book correctly.
- If the phone book in the phone contains image data, the phone book may not be transferred correctly.
- Depending on the cellular phone, phone book transfer may not be available.

Bluetooth audio

Before using the Bluetooth audio player, register and connect the device to this product (page 15).

NOTES

- Depending on the Bluetooth audio player connected to this product, the available operations with this product may be limited to the following two levels:
  – A2DP (Advanced Audio Distribution Profile): Only playing back songs on your audio player is possible.
  – A2DP and AVRCP (Audio/Video Remote Control Profile): Playing back, pausing, selecting songs, etc., are possible.
- Depending on the Bluetooth device connected to this product, the available operations with this product may be limited or differ from the descriptions in this manual.

- While you are listening to songs on your Bluetooth device, refrain from operating the phone function as much as possible. If you try operating, the signal may cause noise for song playback.
- When you are talking on the Bluetooth device connected to this product via Bluetooth, it may pause playback.

1 **Touch [ ].**

2 **Touch [BT Audio].**

The Bluetooth audio playback screen appears.

English

Basic operation

▶ ❚❚	**Switches between playback and pause.**
⏮ ⏭	**Skips files forward or backward.**
off	**Sets a repeat play range.**
	Plays files in random order.

AV source

Supported AV source

You can play or use the following sources with this product.
- Radio
- USB

The following sources can be played back or used by connecting an auxiliary device.
- iPhone®
- Bluetooth® audio
- SiriusXM® Satellite Radio
- Camera View
- AUX

Selecting a source

1 **Touch [⊞].**

2 **Touch the source icon.**

TIP

You can display the hidden source icon(s) by swiping left on the screen.

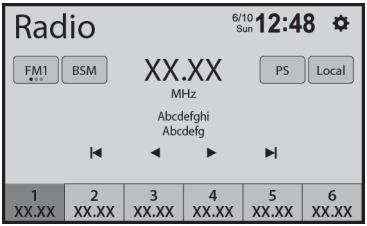
Radio

Starting procedure

1 **Press** [⊞].

2 **Touch [Radio].**
The Radio screen appears.

Basic operation



1 XX.XX ···· 6 XX.XX	**Recalls the preset channel stored to a key from memory.**
	Stores the current broadcast frequency to a key.
FM1	**Selects the FM1, FM2, FM3, AM1 or AM2 band.**
BSM	**Performs BSM (best stations memory) function (page 22).**
◀ ▶	**Manual tuning**
⏮ ⏭	**Seek tuning or non stop seek tuning** Releasing the key in a few seconds skips to the nearest station from the current frequency. Keep holding the key for long seconds to perform non stop seek tuning.

Local Dx	**Activates/deactivates the local seek mode.**
PS	**Displays a preset channel for 10 seconds and switches to the next channel automatically.**

English

Storing the strongest broadcast frequencies (BSM)

The BSM (best stations memory) function automatically stores the six strongest broadcast frequencies under the preset channel keys [1] to [6].

NOTES

- Storing broadcast frequencies with BSM may replace those you have already saved.
- Previously stored broadcast frequencies may remain stored if the number of frequencies stored has not reached the limit.

1 **Touch BSM to begin search.**
While the message is displayed, the six strongest broadcast frequencies will be stored under the preset channel keys in the order of their signal strength.

Radio settings

1 **Touch ⊞.**

2 **Touch ⚙ then [System Settings].**
The system setting screen appears.

3 **Touch [Radio settings].**

Menu Item	Description
[RDS]	Activate to enable setting [AF], [TA] and [RDS CLOCK TIME].
[AF]	Allow the unit to retune to a different frequency providing the same station.
[TA]*	Receives the traffic announcement from the last selected frequency, interrupting the other sources.
[RDS CLOCK TIME]	Compensates for the system time by RDS time data, and the time display and built-in clock are automatically adjusted.

Menu Item	Description
[Regional]	Limit the reception to the specific regional programs when AF (alternative frequencies search) is selected. (Available only when FM band is selected.)

* This function is available only when you receive the FM band.

Compressed files

Plugging/unplugging a USB storage device

You can play compressed audio, compressed video, or still image files stored in an external storage device.

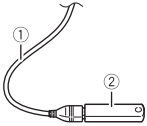
Plugging a USB storage device

1 Pull out the plug from the USB port of the USB cable.

2 Plug a USB storage device into the USB cable.

NOTES

- This product may not achieve optimum performance with some USB storage devices.
- Connection via a USB hub is not possible.
- A USB cable is required for connection.



①	**USB cable**
②	**USB storage device**

Unplugging a USB storage device

1 Pull out the USB storage device from the USB cable.

NOTES

- Check that no data is being accessed before pulling out the USB storage device.
- Turn off (ACC OFF) the ignition switch before unplugging the USB storage device.

Starting procedure

1 Touch [⊞].

2 **Plug the USB storage device into the USB cable (page 24).**

3 **Touch [USB].**

Playback is performed in order of folder numbers. Folders are skipped if they contain no playable files.

Basic operation

Audio source

▶ ⏸	**Switches between playback and pause.**
⏮ ⏭	**Skips files forward or backward.**
🔁 🔂 🔄	**Sets a repeat play range for all files/the current folder/the current file.**
🔀	**Plays files or does not play in random order.**
☰	**Selects a file from the list.** Touch a file on the list to playback. **TIPS** • Touching a folder on the list shows its contents. You can play a file on the list by touching it. • You can switch the following media file types. – ♫: Compressed audio files – 🎞: Compressed video files – 🖼: Image files

Video source

⚠ CAUTION

For safety reasons, video images cannot be viewed while your vehicle is in motion. To view video images, stop in a safe place and apply the parking brake.

▶ ⏸	**Switches between playback and pause.**
🔁 🔂 🔀	**Sets a repeat play range for all files/the current folder/the current file.**
☰	**Selects a file from the list.** Touch a file on the list to playback. **TIPS** • Touching a folder on the list shows its contents. You can play a file on the list by touching it. • You can switch the following media file types. – ♫: Compressed audio files – 🎞: Compressed video files – 🖼: Image files
⏮ ⏭	**Skips files forward or backward.**
• • •	**You can adjust [Brightness]/[Contrast]/[Color] by touching [+]/[-].**

Still image source

	Switches between playback and pause.
	Skips files forward or backward.
	Rotates the displayed picture 90° clockwise.
	Sets a repeat play range for all files/the current file.
	Selects a file from the list. Touch a file on the list to playback. **TIPS** • Touching a folder on the list shows its contents. You can play a file on the list by touching it. • You can switch the following media file types. – : Compressed audio files – : Compressed video files – : Image files

English

iPhone®

NOTE

iPhone may be referred to as iPod in this manual.

Connecting your iPhone

When connecting an iPhone to this product, the settings are automatically configured according to the device to be connected. For details of the compatibility, refer to Compatible iPhone models (page 59).

1 Connect your iPhone.

- iPhone via USB

2 Touch [ ].

3 Touch [iPod].

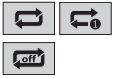
NOTES

- For USB connection, refer to the Installation Manual.
- For Bluetooth connection, see page 15.

Basic operation

Audio source

▶ ⏸	**Switches between playback and pause.**

	Skips files forward or backward.
	**Sets a repeat play range for all in the selected list/the current song.**
	Plays songs within the selected list/album randomly.
	Selects a song from the list. Touch the category then the title of the list to playback of the selected list. **TIP** If you use English as the system language, the alphabet search function is available. Touch the initial search bar to use this function.* **NOTES** • Depending on the generation or version of the iPhone, some functions may not be available. • Only 16 000 songs in the iPhone are available in the list if the iPhone has more than 16 000 songs. Available songs depend on the iPhone.

* This function is available only on the songs list.

English

USB Mirroring

USB Mirroring lets you enjoy compatible smartphones apps in the car. You can operate USB Mirroring compatible applications with finger gestures such as tapping, dragging, scrolling, or flicking on the screen of this product.

NOTES

- The supported finger gestures may vary depending on the USB Mirroring compatible application.
- To use USB Mirroring, you must first install the USB Mirroring compatible applications on the smartphone.
- Be sure to read Using app-based connected content (page 59) before you perform this operation.

WARNING

Certain uses of the smartphone may not be legal while driving in your jurisdiction, so you must be aware of and obey any such restrictions. If in doubt as to a particular function, only perform it while the car is parked. No feature should be used unless it is safe to do so under the driving conditions you are experiencing.

Using USB Mirroring

Important

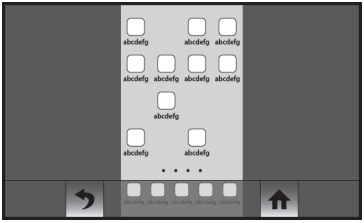
- Pioneer is not liable for any issues that may arise from incorrect or flawed app-based content.
- The content and functionality of the supported applications are the responsibility of the App providers.
- In USB Mirroring, functionality through the product is limited while driving, with available functions determined by the App providers.
- Availability of USB Mirroring functionality is determined by the App provider, and not determined by Pioneer.
- USB Mirroring allows access to applications other than those listed that are subject to limitations while driving.

Starting procedure

When connecting a smartphone to this product, the settings are automatically configured according to the device to be connected.

TIPS

- Touch the desired application icon after the USB Mirroring app is launched.
- If you connect your device to this product while a USB Mirroring compatible application is already running, the application operation screen will appear on this product.
- The desired application is launched, and the application operation screen appears.



	Displays the main menu of the USB Mirroring source screen.

For smartphone (Android™) users

System requirement

Android 5.0 or higher (up to Android 10)

NOTES

- [Android Phone MSC] is deactivated to enable use of this function (page 48).
- The video playback capability depends on the connected Android device.

1 Touch [ ].

2 Touch [ ] then [Phone Connectivity Settings].

3 Touch [Mirroring] in the [Priority of Connectivity] setting.

4 Unlock your smartphone and connect it to this product via USB.

Refer to the Installation Manual.

5 Touch [ ] then swipe left on the screen.

6 Touch [Mirroring].

The USB Mirroring app is launched.

Apple CarPlay™

You can operate iPhone applications with finger gestures such as tapping, dragging, scrolling, or flicking on the screen of this product.

Compatible iPhone models

For details about compatibility of iPhone models, refer to the following website.
https://www.apple.com/ios/carplay

NOTE

The compatible finger gestures vary depending on the application for the iPhone.

⚠ WARNING

Certain uses of the iPhone may not be legal while driving in your jurisdiction, so you must be aware of and obey any such restrictions. If in doubt as to a particular function, only perform it while the car is parked. No feature should be used unless it is safe to do so under the driving conditions you are experiencing.

Using Apple CarPlay

Important

Apple CarPlay may not be available in your country or region.
For details about Apple CarPlay, visit the following site:
https://www.apple.com/ios/carplay

- The content and functionality of the supported applications are the responsibility of the App providers.
- In Apple CarPlay, usage is limited while driving, with availability of functions and content determined by the App providers.
- Apple CarPlay allows access to applications other than those listed that are subject to limitations while driving.
- PIONEER IS NOT RESPONSIBLE AND DISCLAIMS LIABILITY FOR THIRD PARTY (NON-PIONEER) APPS AND CONTENT, INCLUDING WITHOUT LIMITATION ANY INACCURACIES OR INCOMPLETE INFORMATION.

Starting procedure

1 Connect an Apple CarPlay compatible device to this product via USB.

2 Touch [▮▮].

3 Touch [Apple CarPlay].

The application screen appears.

TIP

You can use Siri function by touching [🎤] button once Apple CarPlay is activated.

NOTES

- For details on USB connection, refer to the Installation Manual.
- If an Apple CarPlay compatible device has been connected and another screen is displayed, touch [Apple CarPlay] on the top menu screen to display the Application menu screen.
- Hands-free phoning via Bluetooth wireless technology is not available while Apple CarPlay is on. If Apple CarPlay is turned on during a call on a cellular phone other than an Apple CarPlay compatible device, the Bluetooth connection will be terminated after the call ends.

Android Auto™

You can operate Android applications with finger gestures such as tapping, dragging, scrolling, or flicking on the screen of this product.

Compatible Android devices
For details about compatibility of Android models, refer to the following website.
https://support.google.com/androidauto

NOTES

- [Android Phone MSC] is deactivated to enable use of this function (page 48).
- The compatible finger gestures vary depending on the application for the smartphone.

WARNING

Certain uses of the smartphone may not be legal while driving in your jurisdiction, so you must be aware of and obey any such restrictions. If in doubt as to a particular function, only perform it while the car is parked. No feature should be used unless it is safe to do so under the driving conditions you are experiencing.

Using Android Auto

Important

Android Auto may not be available in your country or region.
For details about Android Auto, please refer to the Google™ support site:
http://support.google.com/androidauto

- The content and functionality of the supported applications are the responsibility of the App providers.
- In Android Auto, usage is limited while driving, with availability of functions and content determined by the App providers.
- Android Auto allows access to applications other than those listed that are subject to limitations while driving.
- PIONEER IS NOT RESPONSIBLE AND DISCLAIMS LIABILITY FOR THIRD PARTY (NON-PIONEER) APPS AND CONTENT, INCLUDING WITHOUT LIMITATION ANY INACCURACIES OR INCOMPLETE INFORMATION.

Starting procedure

1 **Touch [⊞].**

2 **Touch [⚙] then [Phone Connectivity Settings].**

3 **Touch [Android Auto] in the [Priority of Connectivity] setting.**

4 **Connect an Android Auto™ compatible device to this product via USB.**
The application screen appears.

TIP

You can use voice recognition function by touching button once Android Auto is activated.

NOTES

- For details on USB connection, refer to the Installation Manual.
- When the device for Android Auto is connected to this unit, the device is also connected via Bluetooth at the same time. If five devices are already paired, the message confirming whether to delete the registered device is displayed. If you want to delete the device, touch [Agree]. If you want to delete other device, touch [Bluetooth settings] and delete the devices manually (page 16).
- If Android Auto is turned on during a call on a cellular phone other than the Android Auto compatible device, the Bluetooth connection will switch to the Android Auto compatible device after the call.

SiriusXM® Satellite Radio

Only SiriusXM® brings you more of what you love to listen to, all in one place. Get over 140 channels, including commercial-free music plus the best sports, news, talk, comedy, and entertainment. Welcome to the world of satellite radio. A SiriusXM Connect Vehicle Tuner and Subscription are required. For more information, visit the website (www.siriusxm.com).

English

Subscribing to the SiriusXM Satellite Radio service

1 Touch [ ].

2 Touch [SiriusXM].

You should be able to tune in to Channel 1. If you cannot get Channel 1, ensure that your SiriusXM Connect Vehicle Tuner is installed correctly.

3 Switch to Channel 0 and check the Radio ID.

The SiriusXM Radio ID can be found by tuning in to Channel 0.
You will need this number to activate your subscription.

NOTE

The SiriusXM Radio ID does not include the letters I, O, S, or F.

4 Activate the service either online or by phone.

TIP

In the USA, you can activate online or by calling SiriusXM Listener Care:
- Visit the website
  www.siriusxm.com/activatenow
- Call SiriusXM Listener Care at
  1-866-635-2349

For Canadian subscriptions, please contact:
- Visit the website
  www.xmradio.ca
  and click on “ACTIVATE RADIO” at the top right corner of the page, or call (1-877-438-9677).

NOTES

- The SiriusXM satellites will send an activation message to your tuner. When the tuner has received the message, [Subscription Updated] is displayed.
- The activation process usually takes 10 to 15 minutes, but it may take up to an hour. Do not turn off this product while the activation message is displayed.

Listening to SiriusXM

1 **Touch [ ] then swipe left on the screen.**

2 **Touch [SiriusXM].**

Basic operation

TIP

[RADIO ID] is displayed when Channel 0 is selected.

Current channel display (Live broadcast mode)

Tune	**Selects a channel directly.**
1 Pre1 ····· 6 Pre6	**Recalls the preset channel stored to a key from the memory.**
	Stores the current channel to a key.
SXM1	**Selects a band.** There are 3 bands and a Featured Favorites. You can store 6 channels per band for a total of 18 presets.
⏮ ⏭	**Performs channel number up/down.**
	Performs fast channel number up/down.

English

	Selects a channel from the list. Select the category name or the list of all channels then touch the desired channel. **TIP** If you touch [ ], you can scan each channel in the selected category. **NOTES** • The types of categories available depend on the types of channels available. • It may take time to display the channel list depending on the SiriusXM reception condition.

English

Parental lock

The Parental Control feature allows you to limit access to any SiriusXM channels, including those with mature content. When enabled, the Parental Control feature requires you to enter a passcode to tune to the locked channels.
For details, see [Locked Channel] in SiriusXM settings (page 38).

SiriusXM settings

1 Touch [ ] then swipe left on the screen.

2 Touch [SiriusXM] then touch [• • •].

The menu items vary depending on whether SiriusXM is selected as the source.

Menu Item	Description
[Change Passcode]	Edit the passcode. **1 Enter the current passcode and then touch [OK].** **2 Enter the new passcode and then touch [OK].** **3 Enter the confirm passcode and then touch [OK]**
[Locked Channel]	Enter the current passcode then touch [OK] to set this function (the default passcode is 0000). • To lock the channel, touch the appropriate channel. [ ] appears and the channel is locked. **TIP** When you touch the locked channel, the channel is unlocked.
[Parental Lock]	Switches the Parental Control to on or off. To turn off the Parental Control, enter the passcode then touch [OK] (the default passcode is 0000).
[Version]	Displaying the firmware version and the model number, etc.

AUX

You can display the video image output by the device connected to video input.

⚠ CAUTION

For safety reasons, video images cannot be viewed while your vehicle is in motion. To view video images, stop in a safe place and apply the parking brake.

NOTE

A Mini-jack AV cable (sold separately) is required for connection. For details, refer to the Installation Manual.

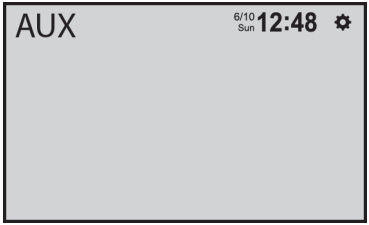
Starting procedure

1 Touch [⊞].

2 Touch [AUX] then swipe left on the screen.

The AUX screen appears.

Basic operation



Camera View

You can display the video image output by the device connected to video or camera input. For details, refer to the Installation Manual.

⚠ CAUTION

For safety reasons, video images cannot be viewed while your vehicle is in motion. To view video images, stop in a safe place and apply the parking brake.

Starting procedure

1 **Touch [▮▮] then swipe left on the screen.**

2 **Touch [Camera View] for connected camera view.**
The video image is displayed on the screen.

Settings

You can adjust various settings in the main menu.

English

Displaying the setting screen

1 **Touch [ ].**

2 **Touch [ ].**

3 **Touch one of the following categories, then select the options.**

System Settings (page 41)
Display Settings (page 43)
Audio Settings (page 44)
Bluetooth Settings (page 15)
Camera settings (page 45)
Phone Connectivity Settings (page 47)

System Settings

The menu items vary according to the source.

Menu Item	Description
[Language]	Select the system language. **NOTES** • If the embedded language and the selected language setting are not the same, the text information may not display properly. • Some characters may not be displayed properly.
[Date & Time]	Set the clock by touching [▲] or [▼]. You can operate the following items: Year, month, date, hour, minute. **TIPS** • You can change the time display format to [AM], [PM] or [24H]. • You can change the order of the month/date display format: [DD/MM/YY], [MM/DD/YY].
[Beep Tone]	Set off to disable the beep sound when the button is touched or the screen is touched.

Menu Item	Description
[Steering Control Select] [With Adapter], [Without Adapter]	Select [With Adapter] or [Without Adapter] according to your wired remote control. **NOTES** • This setting is available only when you stop your vehicle in a safe place and apply the parking brake. • Depending on your car, this function may not work properly. In this case, contact your dealer or an authorized PIONEER Service Station. • Please use a PIONEER wiring harness for each car model when [With Adapter] mode is engaged, otherwise select [Without Adapter].
[Steering Control]	Select and register the function to the key on the car's steering wheel. To clear the settings, touch [Clear]. **NOTE** This function is available when [Steering Control Select] is set to [Without Adapter].
[SiriusXM settings]	(page 38)
[Radio settings]	(page 22)
[Reset All]	Touch [OK] to restore the settings to the default settings. **⚠ CAUTION** Do not turn off the engine while restoring the settings. **NOTES** • This setting is available only when you stop your vehicle in a safe place and apply the parking brake. • The source is turned off and the Bluetooth connection is disconnected before the process starts. • Before starting the restore process, disconnect any device that is connected to the USB port. Otherwise, some settings may not be restored correctly.

Menu Item	Description
[About]	Displaying and updating the firmware version. **⚠ CAUTION** • The USB storage device for updating must contain only the correct update file. • Never turn this product off, disconnect the USB storage device while the firmware is being updated. • You can only update the firmware when the vehicle is stopped and the parking brake is engaged. **1 Download the firmware update files into your computer.** **2 Connect a blank (formatted) USB storage device to your computer then locate the correct update file and copy it onto the USB storage device.** **3 Connect the USB storage device to this product (page 24).** **4 Display the [System settings] screen (page 41).** **5 Touch [About].** **6 Touch [Update].** New firmware version information is displayed. **7 Touch [Update].** Follow the on-screen instructions to finish updating the firmware. **NOTES** • This product will reset automatically after the firmware update is completed if the update is successful. • If an error message appears on the screen, touch the display and perform the above steps again.
[License]	Displaying the open source license.

Display Settings

The menu items vary according to the source.

Menu Item	Description
[Lighting Detect]	Activate to set the dimmer function on automatically when the head lamps of the vehicle are lit.
[Day Dimming Level]	Touch [+]/[-] to adjust the brightness of the display in the day time.
[Night Dimming Level]	Touch [+]/[-] to adjust the brightness of the display in the night time.
[Illumination]	Select an illumination color from the preset list.

Menu Item	Description
[Wallpaper]	Touch the wall paper from the preset items in this product or original pictures via the external device and touch [Apply]. The wall paper can be set from selections for the top menu screen and AV operation screen.
Preset Display	Select the desired preset background display.
[ ]	Select the background display image of the connected USB storage device. **1 Connect the USB storage device to this product (page 24).** **2 Touch [ ].** **3 Select the desired image.**
[ ] (custom)	Displays the background display image imported from the USB storage device.
[Off] (off)	Hides the background display.

Audio Settings

The menu items vary according to the source. Some of the menu items become unavailable when the volume is set to mute.

Menu Item	Description
[Fader/Balance]	Touch [▲] or [▼] to adjust the front/rear speaker balance. Set [Front] and [Rear] to [0] when using a dual speaker system. Touch [◀] or [▶] to adjust the left/right speaker balance. **TIP** You can also set the value by dragging the point on the displayed table.
[Cutoff]	
[Subwoofer]	Select enable or disable rear subwoofer output from this product.
[Front HPF]	Adjust the speaker output level of the listening position by touching [+]/[-].
[Rear HPF]	
[Subwoofer LPF]	

Menu Item	Description
[Graphic EQ] [Super Bass] [Powerful] [Natural] [Vocal] [Flat] [Custom]	Select or customize the equalizer curve. Select a curve that you want to use as the basis of customizing then touch the frequency that you want to adjust. **TIPS** • If you make adjustments when a curve [Super Bass], [Powerful], [Natural], [Vocal], or [Flat] is selected, the equalizer curve settings will be changed to [Custom] mandatorily. • [Custom] curves can be created common to all sources. • If you trail a finger across the bars of multiple equalizer bands, the equalizer curve settings will be set to the value of the touched point on each bar.
[Volume] [Main Volume] [Ring Volume] [Talking Volume] [Navi Volume] [Voice Volume] [TA Volume]	Adjust the volume level by touching [+]/[-].
[Speaker Level] **Types of speaker** [Front Left] [Front Right] [Rear Left] [Rear Right] [Subwoofer]	Adjust the speaker output level of the listening position. **1 Touch [<] or [>] to adjust the selected speaker output level.** **NOTE** [Subwoofer] is available when [Subwoofer] in the [Cutoff] setting is activated.
[Loudness] [Off] [Low] [Mid] [High]	Compensates for deficiencies in the low-frequency and high-frequency ranges at low volume.
[Bass Boost] [0] to [6]	Adjust the bass boost level.

Camera settings

The menu items vary according to the source.
A separately sold rear view camera is required for utilizing the rear view camera function. (For details, consult your dealer.)

▶Rear view camera

This product features a function that automatically switches to the full-screen image of the rear view camera installed on your vehicle when the shift lever is in the REVERSE (R) position.
Camera View mode also allows you to check what is behind you while driving.

TIP

The parking assist guidelines can be displayed temporarily on the rear view camera screen by touching the icon at the top left of the screen. The guidelines can be adjusted. For details on how to adjust the guidelines, see [Parking Assist Guide Adjust] (page 47).

▶Camera for Camera View mode

Camera View can be displayed at all times. Note that with this setting, the camera image is not resized to fit, and that a portion of what is seen by the camera is not viewable.
To display the camera image, touch [Camera View] on the top menu screen (page 14).

NOTE

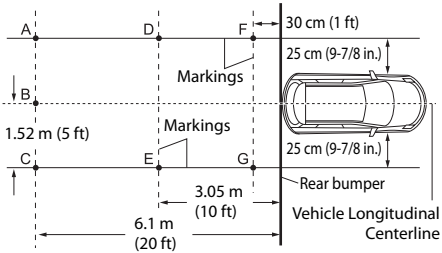
To set the rear view camera as the camera for Camera View mode, activate [Back-up Camera Input] (page 46).

⚠ CAUTION

Pioneer recommends the use of a camera which outputs mirror reversed images, otherwise the screen image may appear reversed.

- Immediately verify whether the display changes to the rear view camera image when the shift lever is moved to REVERSE (R) from another position.

Menu Item	Description
[Back-up Camera Input]	Setting rear view camera activation.
[Camera View] [Normal] [Reverse]	Select the way the screen image of a camera appears.
[Parking Assist Guide]	You can set whether to display the parking assist guidelines on the rear view camera images when backing up your vehicle.

Menu Item	Description
[Parking Assist Guide Adjust]	**1 Adjusting the guidelines by dragging or touching ▲/▼/◀/▶ on the screen.** **2 Touch [OK] to finish the settings.** Touch [reset] to reset the settings. **⚠ CAUTION** • When adjusting the guidelines, park the vehicle in a safe place and apply the parking brake; this setting is available only when the vehicle is parked with the parking brake applied. • Turn the vehicle off before getting out to place the markings. • The range projected by the rear view camera is limited. Also, the vehicle width and distance guidelines displayed on the rear view camera image may differ from the actual vehicle width and distance. (The guidelines are straight lines.) • The image quality may deteriorate depending on the usage environment, such as at night or in dark surroundings. **NOTES** • Use painter's tape or similar tape to place markings as shown below before setting up the guidelines. • Adjust the guidelines so that they overlay the tape markings as closely as possible. 

Phone Connectivity Settings

The settings are not available when the USB storage device is connected.

Menu Item	Description
[Priority of Connectivity] [Android Auto] [Mirroring]	Select the function that is prioritized when your smartphone (Android) is connected to the unit.

Menu Item	Description
[Android Phone MSC]	Set the USB connection mode for your smartphone (Android) to MSC (Mass Storage Class).

Other functions

Setting the time and date

1 Touch the current time on the screen.

2 Touch ▲ or ▼ to set the correct time and date.

You can operate the following items: Year, month, date, hour, minute.

TIPS

- You can change the time display format to [AM], [PM] or [24H].
- You can change the order of the month/date display format: [DD/MM/YY], [MM/DD/YY].

Restoring this product to the default settings

You can restore settings or recorded content to the default settings from [Reset All] in the [System settings] menu (page 42).

Appendix

Troubleshooting

If you have problems operating this product, refer to this section. The most common problems are listed below, along with likely causes and solutions. If a solution to your problem cannot be found here, contact your dealer or the nearest authorized Pioneer service facility.

Common problems

A black screen is displayed, and operation is not possible using the touch panel keys.

→ Power off mode is on.
– Touch any button on this product to release the mode.

Problems with the AV screen

The screen is covered by a caution message and the video cannot be shown.

→ The parking brake lead is not connected or the parking brake is not applied.
– Connect the parking brake lead correctly, and apply the parking brake.
→ The parking brake interlock is activated.
– Park your vehicle in a safe place and apply the parking brake.

The audio or video skips.

→ This product is not firmly secured.
– Secure this product firmly.

No sounds are produced. The volume level will not rise.

→ Cables are not connected correctly.
– Connect the cables correctly.

iPhone cannot be operated.

→ The iPhone is frozen.
– Reconnect the iPhone with the USB interface cable for iPhone.
– Update the iPhone software version.
→ An error has occurred.
– Reconnect the iPhone with the USB interface cable for iPhone.
– Park your vehicle in a safe place, and then turn off the ignition switch (ACC OFF). Subsequently, turn the ignition switch to on (ACC ON) again.
– Update the iPhone software version.
→ Cables are not connected correctly.
– Connect the cables correctly.

Sound from the iPhone cannot be heard.

→ The audio output direction may switch automatically when the Bluetooth and USB connections are used at the same time.
– Use the iPhone to change the audio output direction.

No back camera image when the vehicle is in reverse.

→ The back camera input setting on the receiver is set to Off.
– Change the back camera setting to On in the settings menu. (Refer to the System Settings section of this manual to adjust.)
→ The camera input may be loose or not connected.
– Check the connection and make sure the male end of the camera is connected to the brown input on the back of the receiver. (Refer to the installation manual.)
→ The reverse lead on the receiver may not be connected to the proper wire at the reverse lamp.

– Check the connection and make sure that the violet/white lead of the receiver is connected to the lead whose voltage changes when the shift lever is put in reverse. (Refer to the installation manual.)

Black screen displayed when the vehicle is in reverse, with no camera installed.

→ Back camera input is set to On.
– Turn the setting to Off in the settings menu. (Refer to the System Settings section of this manual to adjust.)

Problems with the phone screen

Dialing is impossible because the touch panel keys for dialing are inactive.

→ Your phone is out of range for service.
– Retry after re-entering the range for service.

→ The connection between the cellular phone and this product cannot be established.
– Perform the connection process.

Problems with Application screen

A black screen is displayed.

→ While operating an application, the application was ended on the smartphone side.
– Touch ⠿ to display the top menu screen.

→ The smartphone OS may be awaiting screen operation.
– Stop the vehicle in a safe place and check the screen on the smartphone.

The screen is displayed, but operation does not work at all.

→ An error has occurred.
– Park your vehicle in a safe place, and then turn off the ignition switch (ACC OFF). Subsequently, turn the ignition switch to on (ACC ON) again.

The smartphone was not charged.

→ Charging stopped because the temperature of the smartphone rose due to prolonged use of the smartphone during charging.
– Disconnect the smartphone from the cable, and wait until the smartphone cools down.

→ More battery power was consumed than was gained from charging.
– This problem may be resolved by stopping any unnecessary services on the smartphone.

Error messages

When problems occur with this product, an error message appears on the display. Refer to the table below to identify the problem, then take the suggested corrective action. If the error persists, record the error message and contact your dealer or your nearest Pioneer service center.

SiriusXM® Satellite Radio

Check Antenna

→ The antenna connection is incorrect.
– Check the antenna connection. If the message fails to disappear even after the engine is switched off/on, contact your dealer or the nearest authorized Pioneer service center for assistance.

Check Tuner

→ The SiriusXM Connect Vehicle Tuner connection is incorrect.
– Check the tuner connection and battery voltage. If the message fails to disappear even after the engine is switched off/on, contact your dealer

or the nearest authorized Pioneer service center for assistance.

No Signal

→ The SiriusXM Connect Vehicle Tuner is having difficulty receiving the SiriusXM satellite signal.
- Verify that your vehicle is outdoors with a clear view of the southern sky.
- Verify that the SiriusXM magnetic mount antenna is mounted on a metal surface on the outside of the vehicle.
- Move the SiriusXM antenna away from any obstructions.

Channel Not Available

→ The channel that you have requested is not a valid SiriusXM channel.
- Visit www.siriusxm.com for more information about the SiriusXM channel lineup.

Subscription Updated Press Enter to Continue

→ This product has detected a change in your SiriusXM subscription status.
- Touch [Enter] to clear the message. In the U.S.A., visit www.siriusxm.com or call 1-866-635-2349 if you have questions about your subscription. In Canada, visit www.siriusxm.ca or call 1-877-438-9677 if you have questions about your subscription.

Channel Not Subscribed. Call SiriusXM to Subscribe.

→ The channel that you have requested is not included in your SiriusXM subscription package.
- Check the content of your SiriusXM subscription package. In the U.S.A., visit www.siriusxm.com or call 1-866-635-2349 if you have questions about your subscription package or would like to subscribe to this channel. In Canada, visit www.siriusxm.ca or call 1-877-438-9677.

Channel Locked Please Enter the Lock Code

→ Locked by the radio Parental Control feature.
- Release the channel lock.

Incorrect Pass Code entered

→ The pass code is incorrect
- Enter the correct pass code.

USB storage device

Unsupport usb hub device

→ The connected USB hub is not supported by this product.
- Directly connect the USB storage device to this product.

This content cannot be played.

→ There is no playable file in the USB storage device.
- Check that the files in the USB storage device are compatible with this product.

→ Security for the connected USB storage device is enabled.
- Follow the USB storage device instructions to disable security.

→ This product cannot recognize the connected USB storage device.
- Disconnect the device and replace it with another USB storage device.

Audio Format not supported

→ This type of file is not supported on this product.
- Select a file that can be played.

No Data

→ There is no playable file in the USB storage device.
- Check that the files in the USB storage device are compatible with this product.

→ Security for the connected USB storage device is enabled.
– Follow the USB storage device instructions to disable security.

USB Mirroring

Autolink can't connect right now. When it's safe to do so, check your Android phone.

→ The connection is not successfully established.
– Stop your vehicle in a safe place and apply the parking brake. Perform the operations according to the following situations.
– When the pop-up message appears on your mobile device, follow the message.
– When the pop-up message does not appear on your mobile device, forcibly cancel download of the application, and then perform the connection with the unit again.

Mobile phone is standby,any touch wake up!

→ The screen of the mobile device connected to the unit is turned off.
– Unlock your mobile device.

Android Auto

To use Android Auto, please stop your car and follow the instructions on your phone.

→ The default settings are displayed on the screen of the Android Auto compatible device or images are not output from the Android Auto compatible device.
– Park your vehicle in a safe place, and follow the instructions displayed on the screen. If the error message is still displayed after performing on-screen instructions, please reconnect the device.

No devices available. Connect an Android phone with USB cable

→ The screen of the mobile device connected to the unit is turned off.
– Unlock your mobile device.

Camera & AUX

No Video Signal

→ There is no video signal input.
– Confirm whether the connection with the unit is established and there is an output from the external device.

Bluetooth

Handsfree device is not connected

→ The phone's Bluetooth HFP is not connected and cannot make calls.
– Make a Bluetooth connection (page 15).

Phone book access is not authorized

→ The Bluetooth PBAPC of the mobile phone is not connected and the phone book cannot be downloaded.
– Make a PBAPC connection. You need to operate your phone and allow the unit to access the contact information on your phone. When the related information pops up on your phone, follow the pop-up message.

Others

Overcurrent caution on USB.

→ Overcurrent is detected.
– Check the USB connection. Perform one of the following operations to fix the situation.

– Turn off the ignition switch (ACC OFF) and then turn the ignition switch to on (ACC ON) again.
– Power the unit off and then power it on again.
– Disconnect the (+) battery cable and then connect it again.

Overload Caution on AMP.

→ An amplifier overload is detected.
– Check the amp connection. Perform one of the following operations to fix the situation.
– Turn off the ignition switch (ACC OFF). After 9 seconds or more, turn the ignition switch to on (ACC ON) again.
– Disconnect the (+) battery cable and then connect it again.

Detailed information for playable media

Compatibility

Common notes about the USB storage device

- Do not leave the USB storage device in any location with high temperatures.
- Depending on the kind of the USB storage device you use, this product may not recognize the storage device or files may not be played back properly.
- The text information of some audio and video files may not be correctly displayed.
- File extensions must be used properly.
- There may be a slight delay when starting playback of files on an USB storage device with complex folder hierarchies.
- Operations may vary depending on the kind of an USB storage device.
- It may not be possible to play some music files from USB because of file characteristics, file format, recorded application, playback environment, storage conditions, and so on.

USB storage device compatibility

- For details about USB storage device compatibility with this product, refer to Specifications (page 61).
- Protocol: bulk
- You cannot connect a USB storage device to this product via a USB hub.
- Partitioned USB storage device is not compatible with this product.
- Firmly secure the USB storage device when driving. Do not let the USB storage device fall onto the floor, where it may become jammed under the brake or gas pedal.
- There may be a slight delay when starting playback of audio files encoded with image data.
- Some USB storage devices connected to this product may generate noise on the radio.
- Do not connect anything other than the USB storage device.

The sequence of audio files on USB storage device.
For USB storage device, the sequence is different from that of USB storage device.

Handling guidelines and supplemental information

- Copyright protected files cannot be played back.

Media compatibility chart

General

- Maximum playback time of audio file stored on an USB storage device: 7.5 h (450 minutes)

USB storage device

CODEC FORMAT	MP3, WMA, WAV, AAC, FLAC, AVI, MPEG-PS, MP4, 3GP, MKV, MOV, ASF, FLV, M4V, MPEG-TS

MP3 compatibility

- Ver. 2.x of ID3 tag is prioritized when both Ver. 1.x and Ver. 2.x exist.
- This product is not compatible with the following: MP3i (MP3 interactive), mp3 PRO, m3u playlist

SAMPLING FREQUENCY	8 kHz to 48 kHz
TRANSMISSION RATE	CBR (8 kbps to 320 kbps)/VBR
ID3 TAG	ver.1.0/1.1/2.2/2.3/2.4

WMA compatibility

- This product is not compatible with the following: Windows Media™ Audio 9.2 Professional, Lossless, Voice

SAMPLING FREQUENCY	32 kHz to 48 kHz
TRANSMISSION RATE	CBR (8 kbps to 320 kbps)/VBR

WAV compatibility

- The sampling frequency shown in the display may be rounded.

SAMPLING FREQUENCY	16 kHz to 48 kHz
QUANTIZATION BIT RATE	8 bit, 16 bit

AAC compatibility

- This product plays back AAC files encoded by iTunes.

SAMPLING FREQUENCY	8 kHz to 48 kHz
TRANSMISSION RATE	CBR (16 kbps to 320 kbps)

FLAC compatibility

SAMPLING FREQUENCY	8 kHz to 192 kHz
QUANTIZATION BIT RATE	8 bit, 16 bit, 24 bit

USB storage device

EXTENSION	.avi
MAX RESOLUTION	720 × 576

Video files compatibility

- Files may not be played back properly depending on the environment in which the file was created or on the contents of the file.
- This product is not compatible with packet write data transfer.
- This product can recognize up to 32 characters, beginning with the first character, including extension for the file and folder name. Depending on the display area, this product may try to display them with a reduced font size. However, the maximum number of the characters that you can display varies according to the width of each character, and of the display area.
- Folder selection sequence or other operations may be altered, depending on the encoding or writing software.
- Regardless of the length of blank section between the songs of original recording, compressed audio files play with a short pause between songs.
- Files may not be able to be played back depending on the bit rate.
- The maximum resolution depends on the compatible video codec.

.avi

Compatible video codec	MPEG4, H.264
Maximum resolution	1 920 × 1 080
Maximum frame rate	30 fps

.mpg/.mpeg

Compatible video codec	MPEG2
Maximum resolution	720 × 576
Maximum frame rate	30 fps

.mp4

Compatible video codec	MPEG4, H.264
Maximum resolution	1 920 × 1 080
Maximum frame rate	30 fps

.3gp

Compatible video codec	H.264
Maximum resolution	1 920 × 1 080
Maximum frame rate	30 fps

.mkv

Compatible video codec	MPEG4, H.264, VC-1
Maximum resolution	1 920 × 1 080
Maximum frame rate	30 fps

.mov

Compatible video codec	MPEG4, H.264
Maximum resolution	1 920 × 1 080
Maximum frame rate	30 fps

.flv

Compatible video codec	H.264, H.263
Maximum resolution	1 920 × 1 080
Maximum frame rate	30 fps

.wmv

Compatible video codec	VC-1
Maximum resolution	1 920 × 1 080
Maximum frame rate	30 fps

.asf

Compatible video codec	
Maximum resolution	1 920 × 1 080
Maximum frame rate	30 fps

.m4v

Compatible video codec	H.264
Maximum resolution	1 920 × 1 080
Maximum frame rate	30 fps

.ts

Compatible video codec	MPEG4, H.264, MPEG2
Maximum resolution	1 920 × 1 080
Maximum frame rate	30 fps

.m2ts

Compatible video codec	H.264, MPEG2
Maximum resolution	1 920 × 1 080
Maximum frame rate	30 fps

.mts

Compatible video codec	H.264
Maximum resolution	1 920 × 1 080
Maximum frame rate	30 fps

Example of a hierarchy

NOTE

This product assigns folder numbers. The user cannot assign folder numbers.

Bluetooth

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WMA

Windows Media is either a registered trademark or trademark of Microsoft Corporation in the United States and/or other countries.

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FLAC

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AAC

AAC is short for Advanced Audio Coding and refers to an audio compression technology standard used with MPEG-2 and MPEG-4. Several applications can be used to encode AAC files, but file formats and extensions differ depending on the application which is used to encode. This unit plays back AAC files encoded by iTunes.

Google, Google Play, Android

Google, Google Play and Android are trademarks of Google LLC.

Android Auto

Android Auto is a trademark of Google LLC.

Detailed information regarding connected iPhone devices

- Pioneer accepts no responsibility for data lost from an iPhone, even if that data is lost while using this product. Please back up your iPhone data regularly.
- Do not leave the iPhone in direct sunlight for extended amounts of time. Extended exposure to direct sunlight can result in iPhone malfunction due to the resulting high temperature.
- Do not leave the iPhone in any location with high temperatures.
- Firmly secure the iPhone when driving. Do not let the iPhone fall onto the floor, where it may become jammed under the brake or gas pedal.
- For details, refer to the iPhone manuals.

iPhone and Lightning®

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.
iPhone and Lightning are trademarks of Apple Inc., registered in the U.S. and other countries.

App Store

App Store is a service mark of Apple Inc.

iOS

iOS is a trademark on which Cisco holds the trademark right in the US and certain other countries.

iTunes

iTunes is a trademark of Apple Inc., registered in the U.S. and other countries.

Apple Music

Apple Music is a trademark of Apple Inc., registered in the U.S. and other countries.

Apple CarPlay

Apple CarPlay is a trademark of Apple Inc.
Use of the Works with Apple badge means that an accessory has been designed to work specifically with the technology identified in the badge and has been certified by the

English

developer to meet Apple performance standards.

Siri

Works with Siri through the microphone.

Compatible iPhone models

- iPhone SE (2nd generation)
- iPhone 11
- iPhone 11 Pro
- iPhone 11 Pro Max
- iPhone XS
- iPhone XS Max
- iPhone XR
- iPhone X
- iPhone 8
- iPhone 8 Plus
- iPhone 7
- iPhone 7 Plus
- iPhone SE (1st generation)
- iPhone 6s
- iPhone 6s Plus
- iPhone 6
- iPhone 6 Plus
- iPhone 5s

Depending on the iPhone models, it may not be compatible with some AV sources. For details about iPhone compatibility with this product, refer to the information on our website.

Using app-based connected content

Important

Requirements to access app-based connected content services using this product:

- Latest version of the Pioneer compatible connected content application(s) for the smartphone, available from the service provider, downloaded to your smartphone.
- A current account with the content service provider.
- Smartphone Data Plan.
  Note: if the Data Plan for your smartphone does not provide for unlimited data usage, additional charges from your carrier may apply for accessing app-based connected content via 3G, EDGE and/or LTE (4G) networks.
- Connection to the Internet via 3G, EDGE, LTE (4G) or Wi-Fi network.
- Optional Pioneer adapter cable connecting your iPhone to this product.

Limitations:

- Access to app-based connected content will depend on the availability of cellular and/or Wi-Fi network coverage for the purpose of allowing your smartphone to connect to the Internet.
- Service availability may be geographically limited to the region. Consult the connected content service provider for additional information.
- Ability of this product to access connected content is subject to change without notice and could be affected by any of the following: compatibility issues with future firmware versions of smartphone; compatibility issues with future versions of the connected content application(s) for the smartphone; changes to or discontinuation of the connected Content application(s) or service by its provider.
- Pioneer is not liable for any issues that may arise from incorrect or flawed app-based content.
- The content and functionality of the supported applications are the responsibility of the App providers.
- In USB Mirroring, Apple CarPlay and Android Auto, functionality through the product is limited while driving, with available functions determined by the App providers.

- Availability of USB Mirroring, Apple CarPlay and Android Auto functionalities is determined by the App provider, and not determined by Pioneer.
- USB Mirroring, Apple CarPlay and Android Auto allow access to applications other than those listed (subject to limitations while driving), but the extent to which content can be used is determined by the App providers.

Notice regarding video viewing

Remember that use of this system for commercial or public viewing purposes may constitute an infringement on the author's rights as protected by the Copyright Law.

Using the LCD screen correctly

Handling the LCD screen

- When the LCD screen is subjected to direct sunlight for a long period of time, it will become very hot, resulting in possible damage to the LCD screen. When not using this product, avoid exposing it to direct sunlight as much as possible.
- The LCD screen should be used within the temperature ranges shown in Specifications on page 61.
- Do not use the LCD screen at temperatures higher or lower than the operating temperature range, because the LCD screen may not operate normally and could be damaged.
- The LCD screen is exposed in order to increase its visibility within the vehicle. Please do not press strongly on it as this may damage it.
- Do not push the LCD screen with excessive force as this may scratch it.
- Never touch the LCD screen with anything besides your finger when operating the touch panel functions. The LCD screen can scratch easily.

Liquid crystal display (LCD) screen

- If the LCD screen is near the vent of an air conditioner, make sure that air from the air conditioner is not blowing on it. Heat from the heater may break the LCD screen, and cool air from the cooler may cause moisture to form inside this product, resulting in possible damage.
- Small black dots or white dots (bright dots) may appear on the LCD screen. These are due to the characteristics of the LCD screen and do not indicate a malfunction.
- The LCD screen will be difficult to see if it is exposed to direct sunlight.
- When using a cellular phone, keep the antenna of the cellular phone away from the LCD screen to prevent disruption of the video in the form of disturbances such as spots or colored stripes.

Maintaining the LCD screen

- When removing dust from or cleaning the LCD screen, first turn this product off and then wipe the screen with a soft dry cloth.
- When wiping the LCD screen, take care not to scratch the surface. Do not use harsh or abrasive chemical cleaners.

LED (light-emitting diode) backlight

A light emitting diode is used inside the display to illuminate the LCD screen.

- At low temperatures, using the LED backlight may increase image lag and degrade the image quality because of the characteristics of the LCD screen. Image quality will improve with an increase in temperature.
- The product lifetime of the LED backlight is more than 10 000 hours. However, it may decrease if used in high temperatures.
- If the LED backlight reaches the end of its product lifetime, the screen will become dimmer and the image will no longer be visible. In that case, please consult your dealer or the nearest authorized Pioneer Service Station.

Specifications

General

Rated power source:
14.4 V DC (10.8 V to 15.1 V allowable)
Grounding system:
Negative type
Maximum current consumption:
10.0 A
Dimensions (W × H × D):
Chassis (D):
178 mm × 100 mm × 125 mm (7 in. × 3-7/8 in. × 4-7/8 in.)
Nose:
171 mm × 97 mm × 2 mm (6-3/4 in. × 3-7/8 in. × 1/8 in.)
Weight:
1.1 kg (2.4 lbs)

Display

Screen size/aspect ratio:
6.75 inch wide/16:9 (effective display area: 151.8 mm × 79.68 mm) (6 in. × 3-1/8 in.)
Pixels:
800 (Width) × 480 (Height) × 3 (RGB)
Display method:
TFT Active matrix driving
Color system:
PAL/NTSC/PAL-M/PAL-N/SECAM compatible
Temperature range:
-10 °C to +60 °C (+14 °F to +140 °F)

Audio

Maximum power output:
• 50 W × 4
Continuous power output:
22 W × 4 (50 Hz to 15 kHz, 5 %THD, 4 Ω LOAD, Both Channels Driven)
Load impedance:
4 Ω (4 Ω to 8 Ω allowable)
Preout output level (max): 2.0 V
Equalizer (13-Band Graphic Equalizer):
Frequency:
50 Hz/80 Hz/125 Hz/200 Hz/315 Hz/500 Hz/800 Hz/1.25 kHz/2 kHz/3.15 kHz/5 kHz/8 kHz/12.5 kHz
Gain: ±12 dB (2 dB/step)
HPF:
Frequency:
25 Hz/32 Hz/40 Hz/50 Hz/63 Hz/80 Hz/100 Hz/125 Hz/160 Hz/200 Hz/250 Hz
Subwoofer/LPF:
Frequency:
25 Hz/32 Hz/40 Hz/50 Hz/63 Hz/80 Hz/100 Hz/125 Hz/160 Hz/200 Hz/250 Hz
Phase: Normal/Reverse
Bass boost:
Gain: +12 dB to 0 dB (2 dB/step)
Speaker level:
+10 dB to -24 dB (1 dB/step)

USB

USB standard spec:
USB 1.1, USB 2.0 full speed, USB 2.0 high speed
Max current supply: 1.5 A

USB Class:
MSC (Mass Storage Class)
File system: FAT16, FAT32, NTFS
<USB audio>
MP3 decoding format:
MPEG-1 & 2 & 2.5 Audio Layer 3
WMA decoding format:
Ver. 7, 8, 9, 9.1, 9.2 (2 ch audio)
AAC decoding format:
MPEG-4 AAC (iTunes encoded only) (Ver. 12.5 and earlier)
FLAC decoding format:
Ver. 1.3.0 (Free Lossless Audio Codec)
WAV signal format:
Linear PCM
Sampling frequency:
Linear PCM:
16 kHz/22.05 kHz/24 kHz/32 kHz/44.1 kHz/48 kHz
<USB image>
JPEG decoding format:
.jpeg, .jpg
Pixel Sampling: 4:2:2, 4:2:0
Decode Size:
MAX: 5 000 (H) × 5 000 (W)
MIN: 32 (H) × 32 (W)
(Maximum file size: 6 MB)
PNG decoding format:
.png
Decode Size:
MAX: 720 (H) × 576 (W)
MIN: 32 (H) × 32 (W)
BMP decoding format:
.bmp
Decode Size:
MAX: 1 920 (H) × 936 (W)
MIN: 32 (H) × 32 (W)
<USB video>
H.264 video decoding format:
Base Line Profile, Main Profile, High Profile
H.263 video decoding format:
Base Line Profile 0/3
VC-1 video decoding format:
Simple Profile, Main Profile, Advanced Profile
MPEG4 video decoding format:
Simple Profile, Advanced Simple Profile
MPEG1, 2 video decoding format:
Main Profile

Bluetooth

Version:
Bluetooth 5.0 certified
Output power:
+4 dBm Max. (Power class 2)
Frequency band(s):
2 402.0 MHz to 2 480.0 MHz

FM tuner

Frequency range:
87.9 MHz to 107.9 MHz
Usable sensitivity:
13 dBf (1.1 µV/75 Ω, mono, S/N: 30 dB)
Signal-to-noise ratio:
50 dB (analog broadcasting) (IHF-A network)

AM tuner

Frequency range:
530 kHz to 1 710 kHz
Usable sensitivity:
28 µV (S/N: 20 dB)
Signal-to-noise ratio:
45 dB (analog broadcasting) (IHF-A network)

CTA2006 Specifications

Power output:
14 W RMS × 4 Channels (4 Ω and ≦ 1 % THD+N)
S/N ratio:
91 dBA (reference: 1 W into 4 Ω)

English

NOTE

Specifications and design are subject to possible modifications without notice due to improvements.

Register your product at

https://www.pioneerelectronics.com/PUSA/

in Canada **https://www.pioneerelectronics.ca/POCEN/**

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