Diversity Tuner Module

The supplied CD-ROM includes the Operating Instructions for the URX-M2 Diversity Tuner Module (English, French, German, Italian, and Spanish versions) and the frequency lists in PDF format.
For more details, see "Using the CD-ROM manual" on page 8.

Operating Instructions

Before operating the unit, please read this manual thoroughly and retain it for future reference.

URX-M2

4563767110

For the URX-M2 Tuners

Owner's Record

The model and serial numbers are located at the rear or on the bottom of the unit. Record the model and serial numbers in the space provided below.
Refer to these numbers whenever you call upon your Sony dealer regarding this product.
Model No. _____
Serial No. _____

For the customers in the U.S.A.

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.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

If you have any questions about this product, you may call;
Sony Customer Information Service Center
1-800-222-7669 or http://www.sony.com/

Declaration of Conformity
Trade Name: SONY
Model: URX-M2
Responsible party:
    Sony Electronics Inc.
Address: 16530 Via Esprillo,
    San Diego, CA 92127
    U.S.A.
Telephone Number:
    858-942-2230

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

For the customers in Canada

This device complies with Industry Canada licence-exempt RSS standard(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 the device.

The term "IC:" before the radio certification number only signifies that Industry Canada technical specifications were met.

Use of Sony wireless devices is regulated by the Industry Canada as described in their Radio Standard Specification RSS-123. A licence is normally required. The local district office of Industry Canada should therefore be contacted. When the operation of the device is within the broadcast band, the licence is issued on no-interference, noprotection basis with respect to broadcast signals.

Pour les clients au Canada

Cet appareil est conforme à la (aux) norme(s) RSS exempte(s) de licence d'Industrie Canada. Son opération est sujette aux deux conditions suivantes : (1) cet appareil ne peut pas causer des interférences nuisibles, et (2) cet appareil doit accepter toutes les interférences reçues, y compris celles qui peuvent causer un fonctionnement non désiré.

La mention « IC: » devant le numéro de certification/ homologation signifie uniquement que les spécifications techniques d'Industrie Canada sont remplies.

L'usage des appareils sans fil Sony est réglementé par l'Industrie Canada comme décrit dans leur Cahier des Normes Radioélectriques CNR-123.
Une licence est normalement requise.
Le bureau de l'Industrie Canada doit être contacté. Lorsque le fonctionnement de l'appareil respecte les limites de la bande de radiodiffusion, la licence est accordée sur la base d'une non-interférence, non-protection pour les signaux de radiodiffusion.

ϵ

For the customers in Europe

Before operating this unit, please read the separate R&TTE Class 1 equipment precautions document.

Pour les clients en Europe

Avant d'utiliser l'appareil, prière de lire le document de précautions pour les équipements de classe 1 R&TTE fourni séparément.

Für Kunden in Europa

Bevor Sie dieses Gerät benutzen, lesen Sie bitte das separate die R&TTE-Richtlinien für Geräte der Klasse 1 behandelnde Dokument.

Per i clienti in Europa

Prima di utilizzare l'apparecchio, leggere il documento separato sulle precauzioni dell'apparecchio di Classe 1 R&TTE.

Para los clientes de Europa

Antes de utilizar esta unidad, lea el documento de precauciones R&TTE para equipos de Clase 1 que se suministra por separado.

Voor de klanten in Europa

Lees voordat u het apparaat gaat gebruiken eerst het aparte document met waarschuwingen m.b.t. radio- en telecommunicatieontvangstapparatuur (R&TTE klasse 1).

För kunder i Europa

Innan du använder den här enheten ska du läsa det separata dokumentet om försiktighetsåtgärder enligt R&TTE-direktivet för klass 1-utrustning.

Para clientes na Europa

Antes de utilizar esta unidade, leia o documento de equipamento de Classe 1 R&TTE fornecido em separado.

Til europæiske kunder

Læs det separate R&TTE-direktiv om forholdsregler for klasse 1 udstyr, inden du betjener enheden.

Asiakkaille Euroopassa

Lue erillinen radio- ja telepäätelaitteita koskeva varoitusasiakirja (R&TTE, luokan 1 laite) ennen laitteen käyttöä.

For kunder i Europa

Les det separate R&TTE-dokumentet med forsiktighetsregler for utstyr i klasse 1 før du bruker denne enheten.

3

Για τους πελάτες που διαμένουν σε χώρες της Ευρώπη

Πριν χρησιμοποιήσετε αυτήν τη μονάδα, διαβάστε το ξεχωριστό έγγραφο λήψης προφυλάξεων της οδηγίας R&TTE για εξοπλισμό Κλάσης 1.

За клиентите в Европа

Преди да използвате уреда, моля, прочетете отделния документ с предпазни мерки за R&TTE (Radio and telecommunications terminal equipment) (Радиосъоръжения и крайни далекосъобщителни устройства) за оборудване клас 1.

Pro zákazníky v Evropě

Před použitím tohoto zařízení si prostudujte bezpečnostní upozornění v samostatném dokumentu R&TTE zařízení třídy 1.

Klientidele Euroopas

Palun tutvuge enne seadme kasutamist eraldi dokumendiga, mis puudutab R&TTE 1. klassi seadme ettevaatusabinõusid.

Európai ügyfeleinknek

A készülék használatba vétele előtt szíveskedjék elolvasni az R&TTE irányelv osztályozási rendszere szerinti 1. osztályba tartozó berendezésekkel kapcsolatos óvintézkedéseket ismertető dokumentumot.

Klientiem Eiropā

Pirms lietojat šo ierīci, lūdzu, izlasiet atsevišķo R&TTE (radiosakaru un telekomunikāciju termināla iekārtu) 1. klases aprīkojuma drošības brīdinājumu dokumentu.

Europos klientams

Prieš naudodamiesi šiuo prietaisu perskaitykite atskirą R&TTE (Radijo ir telekomunikacijų terminalų) 1 klasės įrangos atsargumo priemonių dokumentą.

Dla klientów w Europie

Przed przystąpieniem do korzystania z tego urządzenia należy przeczytać oddzielny dokument dotyczący środków ostrożności wymaganych podczas użytkowania urządzeń klasy 1 według dyrektywy w sprawie urządzeń radiowych i końcowych urządzeń telekomunikacyjnych oraz wzajemnego uznawania ich zgodności (dyrektywa R&TTE).

Pentru clienții din Europa

Înainte de a utiliza unitatea, vă rugăm să citiți documentul separat R&TTE cu măsuri de precauție privind echipamentele de Clasă 1.

Pre zákazníkov v Európe

Pred spustením tohto prístroja si prečítajte osobitné opatrenia smernice R&TTE pre zariadenia triedy 1.

Za stranke v Evropi

Pred uporabo te naprave preberite ločen dokument z varnostnimi ukrepi v zvezi z R&TTE za opremo iz razreda 1.

Za korisnike u Europi

Prije upotrebe ovog uređaja pročitajte dokument o mjerama opreza za R&TTE opremu klase 1.

Інформація для споживачів в Україні.

Обладнання відповідає вимогам:
– Технічного регламенту обмеження використання деяких небезпечних речовин в електричному та електронному обладнанні (постанова КМУ від 03/12/2008 № 1057).

Türkiye'deki müşteriler için
AEEE Yönetmeliğine Uygundur

For the customers in Europe

This product has been manufactured by or on behalf of Sony Corporation, 1-7-1 Konan Minato-ku Tokyo, 108-0075 Japan. Inquiries related to product compliance based on European Union legislation shall be addressed to the authorized representative, Sony Deutschland GmbH, Hedelfinger Strasse 61, 70327 Stuttgart, Germany. For any service or guarantee matters, please refer to the addresses provided in the separate service or guarantee documents.

For the customers in the U.S.A.
SONY LIMITED WARRANTY -
Please visit http://www.sony.com/psa/warranty for important information and complete terms and conditions of Sony's limited warranty applicable to this product.

For the customers in Canada
SONY LIMITED WARRANTY -
Please visit http://www.sonybiz.ca/solutions/Support.do for important information and complete terms and conditions of Sony's limited warranty applicable to this product.

For the customers in Europe
Sony Professional Solutions Europe - Standard Warranty and Exceptions on Standard Warranty.
Please visit http://www.pro.sony.eu/warranty for important information and complete terms and conditions.

For the customers in Korea
SONY LIMITED WARRANTY -
Please visit http://bpeng.sony.co.kr/handler/BPAS-Start for important information and complete terms and conditions of Sony's limited warranty applicable to this product.
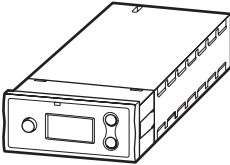
Pour les clients au Canada
GARANTIE LIMITÉE DE SONY -
Rendez-vous sur http://www.sonybiz.ca/solutions/Support.do pour obtenir les informations importantes et l'ensemble des termes et conditions de la garantie limitée de Sony applicable à ce produit.

5

Table of Contents

Configuration of the Packages

Diversity tuner module (URX-M2) (1)

Supplied accessories

Operating Instructions (1)
CD-ROM (1)
Warranty card (1)
(for U30 and U42 models)

Note

This manual is intended specifically for the URX-M2 tuner.
When using the tuner in conjunction with the UTX-M03 transmitter, be sure to read the configuration instructions found in the operating instructions for the UWP-D series together with this manual.

Features

This tuner (diversity tuner module (URX-M2)) is a tuner module that can be incorporated into an MB-X6 Tuner Base Unit, SRP-X500P Powered Mixer, or similar device.
The combination of the diversity tuner module (URX-M2) and a transmitter (not supplied) used in conjunction with a powered mixer, for example, allows use in AV (audio visual) presentations and small-scale PA (public address) systems.

Note

The unit is not compatible with WRT series transmitters.

Using the CD-ROM manual

The manual can be read on a computer with Adobe Reader installed.
You can download Adobe Reader free from the Adobe website.

1 Open the index.htm file in the CD-ROM.

2 Select and click on the manual that you want to read.

Note

If you have lost or damaged the CD-ROM, you can purchase a new one from your Sony dealer or Sony service counter.

Parts Identification
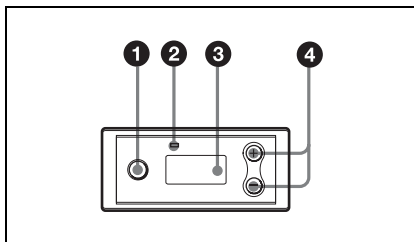
❶ SET button

Press to change and enter display parameters.

For details, see "Tuner Settings" on page 12.
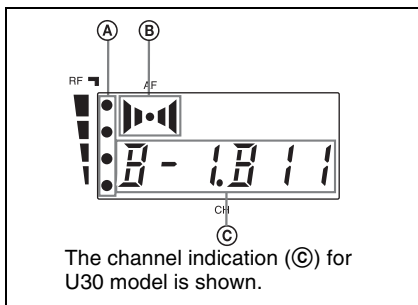
❷ RF (radio frequency) indicator

The color indicates the strength of the RF input signal.
On (green): RF input is 25 dBμ[1] or more.
Off: RF input is less than 25 dBμ[1].

1) 0 dBμ = 1 μV$_{EMF}$

❸ Display section

The channel indication (Ⓒ) for U30 model is shown.

Ⓐ **RF (radio frequency) indications**
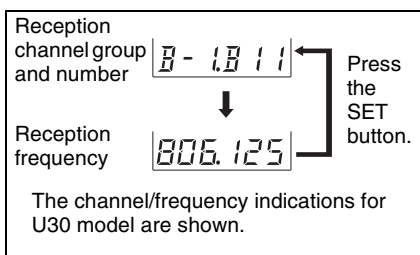The number of dots indicates the RF input level.

Ⓑ **AF (audio frequency) indication**
Appears whenever the output audio signal
is stronger than the reference level.

Ⓒ **GP (group)/CH (channel) indication**
Shows the reception channel group and
channel number. Each time you press the
SET button, the channel indication changes
as follows.

For details, see "Tuner Settings" on page 12.

Reception
channel group | 𝐵 - 𝐿𝐵 𝐼 𝐼 | ← Press
and number   the
                                    SET
Reception | 𝐵𝐼𝐵. 𝐼𝐼𝐼 | button.
frequency | 𝐵𝐼𝐵. 𝐼𝐼𝐼 |

The channel/frequency indications for
U30 model are shown.

❹ **+ (+ selection) / – (– selection/reset)
buttons**
Press these buttons to set the reception
channel and frequency.

Power Supply

When incorporated into another component
(e.g., MB-X6, SRP-X500P, etc.), the tuner
module draws its power from that
component.

*For details on the power supply to the diversity tuner
module, refer to the operating instructions of the
component in which the diversity tuner module is
installed.*

Attachment and Installation Procedures

This section describes how to install the diversity tuner module onto an MB-X6 Tuner Base Unit or SRP-X500P Powered Mixer.

## Installing a diversity tuner module (URX-M2)

Notes

- Before installing the diversity tuner module (URX-M2), make sure the unit into which the tuner module will be installed is turned off. Do not install or uninstall the tuner module while the unit into which the tuner module will be installed is turned on, as this may result in malfunction of the tuner module or cause noise.
- Do not put your fingers on the connectors on the rear panel of the tuner module or into the slot on the unit into which the tuner module will be installed.
- Keep the tuner module away from static electricity.

To install a diversity tuner module (URX-M2) into the optional MB-X6 Tuner Base Unit

The MB-X6 Tuner Base Unit (not supplied) can accommodate up to 6 diversity tuner modules (URX-M2).

For details on installation procedure, refer to the Operating Instructions supplied with the MB-X6.

Hold the tuner module by the side and insert it into the slot until you hear a click.
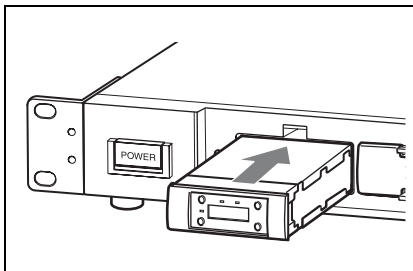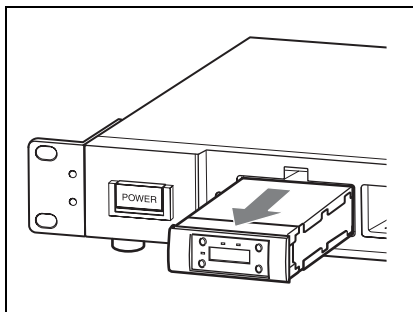

To install two or more tuner modules

Before installing the tuner modules, detach the necessary number of blank panels from the front cover of the MB-X6.

To uninstall a tuner module

After removing the front cover of the MB-X6, hold the tuner unit by the top and bottom, then pull it out of the slot.

To install a diversity tuner module (URX-M2) into the optional SRP-X500P Powered Mixer

The SRP-X500P Powered Mixer (not supplied) can accommodate up to two diversity tuner modules (URX-M2).

For details on installation procedure, refer to the Operating Instructions supplied with the SRP-X500P.

Remove the protection panel (large) from the SRP-X500P. Inspect the top and bottom sides of the diversity tuner module and insert it into the slot.
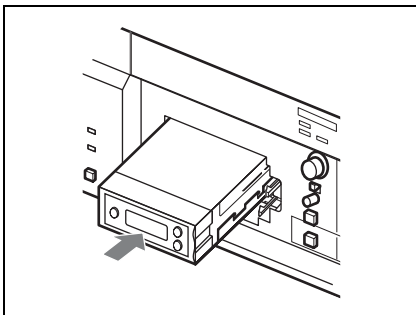
To uninstall the tuner module

Pull the latch securing the tuner module to the side and pull out the tuner module.

Latch
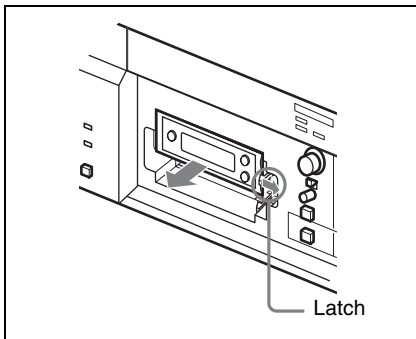
Operation

1 Make all necessary connections on the tuner.

For examples of connections, see "System Configurations" on page 16.

2 Turn on the tuner.

The parameters that were in the display section when the tuner was last turned off appear again.

Note

Noise will be produced when the tuner is turned on. Before turning on the tuner, turn down the volume of the equipment connected to the tuner.

3 Set the reception channel on the tuner.

Switch the channel on the tuner with the transmitter turned off and select the channel where the RF indicator does not turn on.

For details on setting the reception channel, see "Setting the reception channel" on page 12.

4 Set the transmission channel on the transmitter, and then turn off the unit.

For details on setting the transmission channel, refer to the operating instructions for the transmitter.

5 Turn on the transmitter.

If noise is heard

Depending on the environment where the unit is installed, external noise or radio waves may disrupt transmission on certain channels.
When selecting a channel under these circumstances, turn off the transmitter. Then, on the tuner, select a channel for which the RF indicator does not light up (i.e., a channel free from noise or radio wave interference). Set the same channel on the transmitter.

Note

To prevent interference or noise, please take the following precautions.
- Do not use two or more transmitters with the same wireless channels.
- When operating two or more UWP series packages simultaneously, set each package to a different channel within the same channel group.
- Keep the reception antenna and the transmitter separated more than 3 meters (9 feet 11 inches).
- When operating two or more UWP series packages simultaneously with different channel groups, make sure that they are at least 100 meters (330 feet) apart, if they are used within clear sight of each other. (The actual distance may differ depending on the circumstances.)

Tuner Settings

Setting the reception channel

Refer to the pdf files "Sony Wireless Microphone System Frequency List" on the supplied CD-ROM for details on the selectable channel groups and channels.

1 Press down the SET button for more than one second.

Keep pressing the SET button until the display section parameters start to flash.

2 Press the SET button repeatedly until the channel group and the channel number indications appear.

The channel group indication starts to flash.

```
00.300 1
```

3 Press the + or – button to select the channel group.

Pressing the + button cycles the indication in the order shown in the tables in the pdf files "Sony Wireless Microphone System Frequency List" on the supplied CD-ROM.
Pressing the – button cycles the indications in the opposite direction. Hold down the + or – button to change the channel group faster.

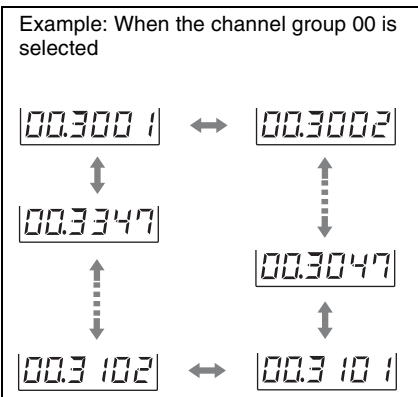**4** When the desired channel group number appears, press the SET button.

The selected group is entered.
The right four digits start to flash to allow the selection of the channel number.

```
00.3001
```

5 Press the + or – button to select the channel number.

The channel indication changes in the order shown in the tables in the pdf files "Sony Wireless Microphone System Frequency List" on the supplied CD-ROM.

Example: When the channel group 00 is selected

```
00.3001  ⟷  00.3002
   ↕              ↕
00.3347
                00.3047
   ↕              ↕
00.3102  ⟷  00.3101
```

6 When the desired channel number appears, leave the tuner for about 10 seconds or press down the SET button for more than one second.
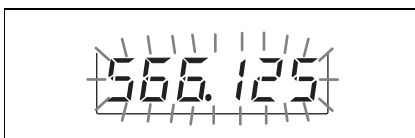
The selected channel number stops flashing and the selection is stored in memory.

To select the channel by frequency indication

1 Press the SET button for more than one second.

Keep pressing the SET button until the display section parameters start to flash.

2 Press the SET button repeatedly until the frequency indication appears and starts flashing.

```
566.125
```

3 Press the + or – button to select the frequency.

4 When the desired frequency appears, leave the tuner for about 10 seconds or press down the SET button for more than one second.

The selected channel number stops flashing and the selection is stored in memory.

Notes

- Even when you are setting the reception channel, the tuner can be used to receive signals.
- Do not remove the batteries while setting the reception channel. If they are inadvertently removed, re-insert them immediately and redo the procedure "Setting the reception channel" from step **1**.
- Make sure that the selected channel is the same on the transmitter and tuner being used in the same system.

- If you turn off the tuner and then immediately turn it on right after setting the reception channel, the unit may not operate normally. Wait a few seconds before turning it on again.

Selecting the channels on multiple tuners automatically

When multiple diversity tuner modules (URX-M2) are installed into the MB-X6 to perform simultaneous multiple-channel operation, select the channel group on the tuner module installed into the slot $\boxed{1}$ of the MB-X6, then all the tuner modules installed into the MB-X6 can be set to different channels within the selected channel group.

1 Turn off all the microphones and transmitters.

2 Select the channel group on the tuner module installed into the slot $\boxed{1}$ of the MB-X6.

3 After confirming that the channel group indication has stopped flashing (about 10 seconds after you have selected the channel group), keep pressing the + button on the tuner module installed into the slot $\boxed{1}$ of the MB-X6.

All the tuner modules installed into the MB-X6 are set to the available channels within the selected channel group.
After the automatic detection and selection of available channels finish, you can change the group and channel on each tuner module manually.

Notes

- Do the automatic detection and selection of available channels with the channel group other than channel group 00.
- When there are unavailable channels due to extraneous radio wave and the channel could not be selected on some tuner modules, "NO CH" appears on the display of those tuner modules. If this happens, select the channel group with no interference from extraneous radio wave, and repeat the procedure above.

Transmitter Settings

When using the URX-M2 in conjunction with the UTX-M03, be sure to configure the settings on the UTX-M03.

For details on the channel groups and channels that can be used during use with this unit, refer to the Frequency List on the CD-ROM supplied with the unit.

Selecting the frequency band (BAND) (CE38 models only)

1 Press and hold the SET button, and press the POWER/MUTING button to turn the power on.

2 Use the + or – button to display BAND.

3 Press and hold the SET button for 1 second or longer.

4 Use the + or – button to select the transmission frequency band.

5 Press the SET button to confirm the setting.

Setting the menu display mode (MENU MODE)

1 Press and hold the SET button, and press the POWER/MUTING button to turn the power on.

2 Use the + or – button to display MENU MODE.

3 Press and hold the SET button for 1 second or longer.

4 Use the + or – button to select ADVANCED.

5 Press the SET button to confirm the setting.

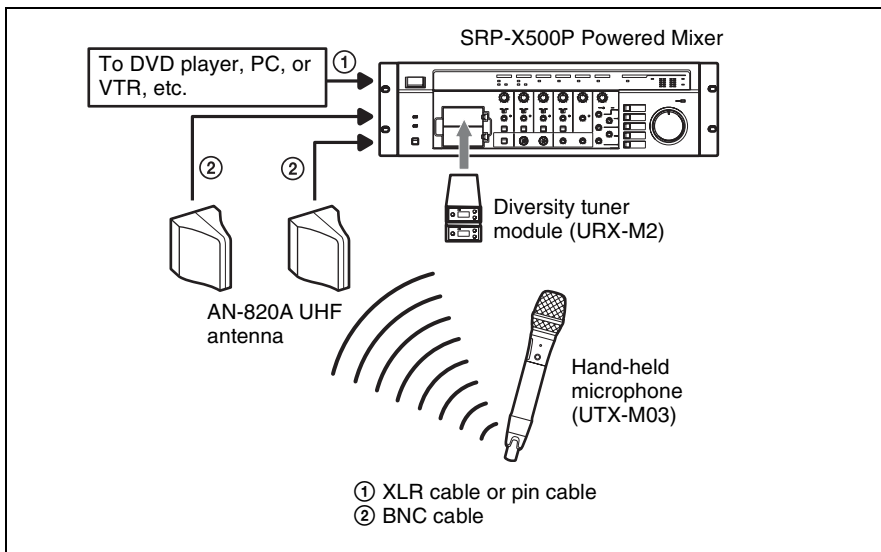## Setting the compander mode (COMPANDER)

1 Press and hold the SET button, and press the POWER/MUTING button to turn the power on.

2 Use the + or – button to display COMPANDER MODE.

3 Press and hold the SET button for 1 second or longer.

4 Use the + or – button to select UWP.

5 Press the SET button to confirm the setting.

System Configurations

Sample configuration for AV presentations

① XLR cable or pin cable
② BNC cable

Sample configuration of a PA system

Hand-held microphone (UTX-M03)

AN-820A UHF antenna

Diversity tuner module (URX-M2)

① ①

WD-850 Antenna Divider

②　　　　②

②　MB-X6 Tuner Base Unit　②

②　SRP-X100 Audio Mixer　②

②　　　　②

To DVD player, PC, or VTR, etc.

③　　SRP-X500P Powered Mixer

Diversity tuner module (URX-M2)

① BNC cable
② XLR cable
③ XLR cable or pin cable
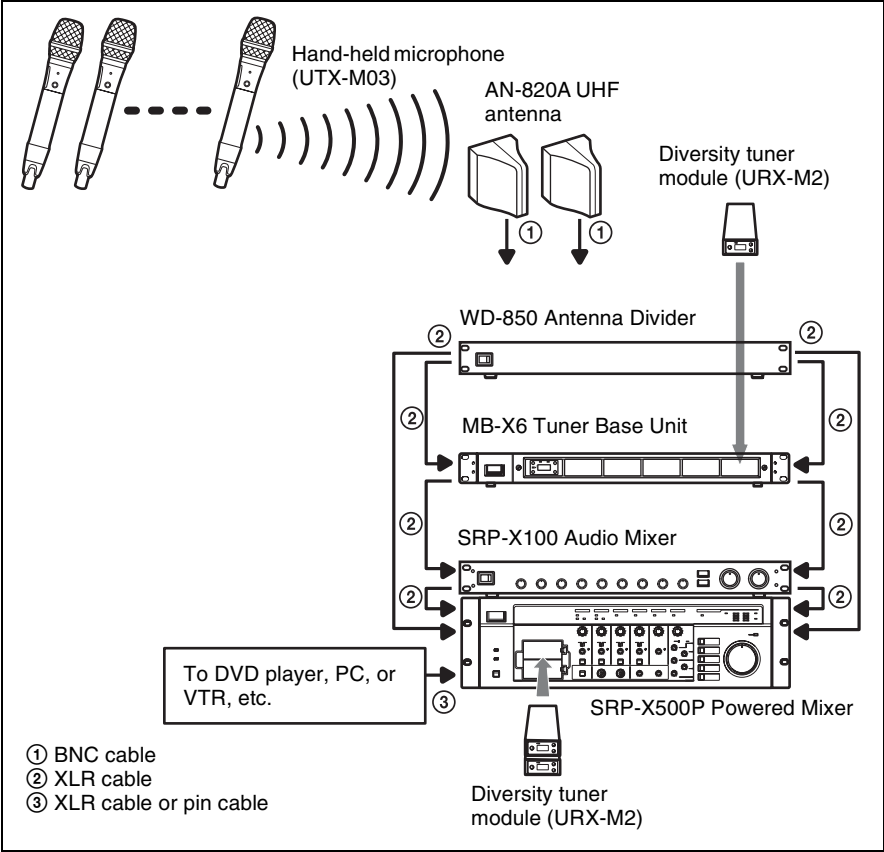
Error Messages

When a problem occurs, one of the following error messages may appear on the display.

Messages	Meanings	Remedy
Err 01	An error has occurred in the backup memory data.	Contact your Sony dealer.
Err 02	The PLL synthesized circuit is abnormal.	Restart the unit. If the message appears again, contact your Sony dealer.

Troubleshooting

If you have any problem using the unit, use the following checklist.
Should any problem persist, consult your Sony dealer.

Symptom	Meanings	Remedy
The channel cannot be changed.	An attempt was made to change the channel by pressing the SET button only.	Restart the unit while holding down the SET button. Then change the channel with the + and – buttons.
There is no sound.	The channel setting on the transmitter is different from that on the tuner.	Use the same channel setting on both the transmitter and tuner.
	The RF indicator on the tuner does not turn on.	Confirm that the transmitter is turned on.
	The tuner module is installed into/uninstalled from the MB-X6/SRP-X500P while the MB-X6/SRP-X500P is turned on.	Turn off the MB-X6/SRP-X500P. Then, turn it on again.
	The transmitter is not transmitting signals, or the transmission output is weak.	Confirm that the transmitter is turned on. Alternatively, reduce the distance between the transmitter and tuner.
	The compander mode setting on the transmitter is different from that on the tuner.	Configure the transmitter's compander mode to a setting that matches this unit.
	The transmitter is muted.	Press the POWER/MUTING button on the transmitter to release the muted state.
The sound is weak.	The attenuation level on the transmitter is too high.	The input level of the transmitter is low. Press the – button on the transmitter in attenuation level setting mode to decrease the attenuation level.
	The volume on the amplifier or mixer is low.	Adjust the volume.
	The compander mode setting on the transmitter is different from that on the tuner.	Configure the transmitter's compander mode to a setting that matches this unit.

Symptom	Meanings	Remedy
There is distortion in the sound.	The attenuation level of the transmitter is too low.	The input level of the tuner is extremely high. Press the + button on the transmitter in attenuation level setting mode to raise the attenuation level.
	The transmitter and the tuner are set to different channels.	Set the transmitter to the same channel.
	The compander mode setting on the transmitter is different from that on the tuner.	Configure the transmitter's compander mode to a setting that matches this unit.
There is sound interruption or noise.	The transmitter and the tuner are set to different channels.	Set the transmitter to the same channel as the tuner.
	Two or more transmitters are set to the same channel.	Set each transmitter to a different channel.
	The transmitters are not set to the channels within the same channel group.	The channel plan which the unit uses is set so that no signal interference occurs when 2 or more transmitters are used simultaneously. Set each transmitter to a different channel within the same channel group.
	Two or more UWP series packages are operated at close channels.	• Select channels within the same channel group (except channel group 00). • Use the channels at least 2-channel intervals (250 kHz).
The RF indications on the tuner appear (the RF indicator lights up) even when the transmitter is off.	Jamming radio waves are being received.	Locate the channel group that is unaffected by jamming radio waves and use that channel group.

Important Notes on Use

On usage and storage

- Operating the unit near electrical equipment (motors, transformers, or dimmers) may cause it to be affected by electromagnetic induction. Keep the unit as far from such equipment as possible.
- The presence of the lighting equipment may produce electrical interference over the entire frequency range. Position the unit so that interference is minimized.
- To avoid degradation of the signal to noise ratio, do not use the unit in noisy places or in locations subject to vibration, such as the following:
  - near electrical equipment, such as motors, transformers or dimmers
  - near air conditioning equipment or places subject to direct air flow from an air conditioner
  - near public address loudspeakers
  - where adjacent equipment might knock against the tuner

  Keep the unit as far from such equipment as possible or use buffering material.

On cleaning

Clean the surface and the connectors of the unit with a dry, soft cloth. Never use thinner, benzene, alcohol or any other chemicals, since these may mar the finish.

To prevent electromagnetic interference from portable communication devices
The use of portable telephones and other communication devices near the unit may result in malfunction and interference with audio signals. It is recommended that portable communication devices near the unit be turned off.

Specifications

Type of reception
     True diversity method
Oscillator type
     Crystal-controlled PLL synthesizer
Reception frequencies
     Model available in USA: 566 to
          590 MHz (U30 model), 638 to
          662 MHz (U42 model)
     Model available in Europe: 566 to
          590 MHz (CE33 model), 606 to
          630 MHz (CE38 model), 638 to
          662 MHz (CE42 model)
     Model available in Korea:
          925.125 MHz to 931.875 MHz
          (KR Model)
     Model available in Thailand and
          Taiwan: 794 to 806 MHz
          (E model)
Operating frequency band
     Model available in USA and
          Europe: 24 MHz BW
     Model available in Thailand and
          Taiwan: 12 MHz BW
Signal-to-noise ratio
     60 dB or more
De-emphasis
     50 μs
Reference deviation
     ±5 kHz
Distortion
     1.0% or less at 1 kHz modulation
Tone signal
     32 kHz
Indicator
     RF input level
Operating temperature
     0 °C to 50 °C (32 °F to 122 °F)
Storage temperature
     –20 °C to +55 °C (–4 °F to +131 °F)
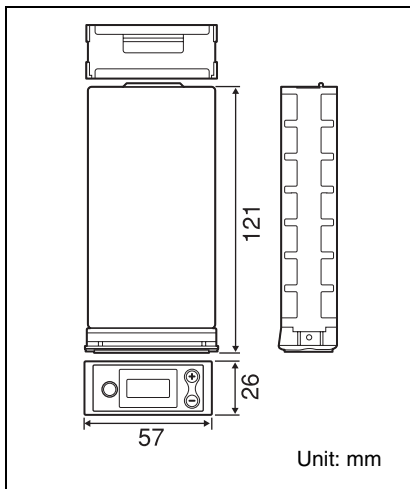Squelch level
     25 dBμ

Display
     Channel, frequency
Reference deviation
     ±5 kHz (at 1 kHz modulation)
Frequency response
     50 Hz to 18 kHz
Dimensions

Unit: mm

$57 \times 26 \times 121$ mm
     ($2 \frac{1}{4} \times 1 \frac{1}{16} \times 4 \frac{7}{8}$ inches)
     (w/h/d)
Mass   Approx. 150 g (5.3 oz)

Design and specifications are subject to change without notice.

Note
Always verify that the unit is operating properly before use. SONY WILL NOT BE LIABLE FOR DAMAGES OF ANY KIND INCLUDING, BUT NOT LIMITED TO, COMPENSATION OR REIMBURSEMENT ON ACCOUNT OF THE LOSS OF PRESENT OR PROSPECTIVE PROFITS DUE TO FAILURE OF THIS UNIT, EITHER DURING THE WARRANTY PERIOD OR AFTER EXPIRATION OF THE WARRANTY, OR FOR ANY OTHER REASON WHATSOEVER.

http://www.sony.net/