SONY

2-347-712-**13**(1)

Wireless Microphone Package

Operating Instructions

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

COPY

UWP-C1/C2/C3
UWP-S1/S2
UWP-X1/X2

© 2003 Sony Corporation

For the AC adapter supplied with UWP-S1/S2

Important Safety Instructions

- Read these instructions.
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- Do not use this apparatus near water.
- Clean only with dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus.
  When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

WARNING

To reduce the risk of fire or electrical shock, do not expose this apparatus to rain or moisture.

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

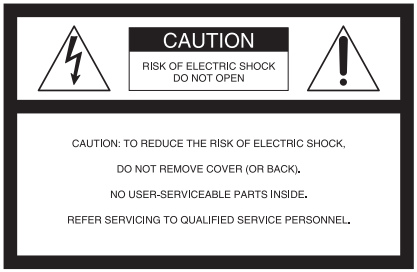
IMPORTANT

The name plate is located on the bottom (AC-911).

WARNING

This unit has no power switch.
When installing the unit, incorporate a readily accessible disconnect device in the fixed wiring, or connect the power cord to socket-outlet which must be provided near the unit and easily accessible.
If a fault should occur during operation of the unit, operate the disconnect device to switch the power supply off, or disconnect the power cord.

COPY



This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

CAUTION
To prevent electric shock, match wide blade of plug to wide slot, fully insert.

AVERTISSEMENT

Afin de réduire les risques d'incendie ou d'électrocution, ne pas exposer cet appareil à la pluie ou à l'humidité.

Afin d'écarter tout risque d'électrocution, garder le coffret fermé. Ne confier l'entretien l'appareil qu'à un technicien qualifié.

IMPORTANT
La plaquette signalétique est posée sur le dessous de l'appareil (AC-911).

AVERTISSEMENT
Cet appareil ne possède pas d'interrupteur d'alimentation. Lors de l'installation de l'appareil, incorporer un dispositif de coupure facilement accessible dans le câblage fixe ou brancher le cordon d'alimentation dans une prise murale proche de l'appareil et facilement accessible. En cas de problème lors du fonctionnement de l'appareil, enclencher le dispositif de coupure d'alimentation ou dèbrancher le cordon de la prise.

ATTENTION
Pour éviter tout choc électrique, ajuster la lame large de la fiche sur la fente large et l'insérer à fond.

WARNUNG

Um die Gefahr von Bränden oder elektrischen Schlägen zu verringern, darf dieses Gerät nicht Regen oder Feuchtigkeit ausgesetzt werden.

Um einen elektrischen Schlag zu vermeiden, darf das Gehäuse nicht geöffnet werden. Überlassen Sie Wartungsarbeiten stets nur qualifiziertem Fachpersonal.

COPY

WICHTIG
Am Boden des Geräts befindet sich das Typenschild (AC-911).

WARNUNG
Dieses Gerät hat keinen Netzschalter. Beim Einbau des Geräts ist daher im Festkabel ein leicht zugänglicher Unterbrecher einzufügen, oder das Netzkabel muss mit einer in der Nähe des Geräts befindlichen, leicht zugänglichen Wandsteckdose verbunden werden.
Wenn während des Betriebs eine Funktionsstörung auftritt, ist der Unterbrecher zu betätigen bzw. das Netzkabel abzuziehen, damit die Stromversorgung zum Gerät unterbrochen wird.

ACHTUNG
Um die Gefahr elektrischer Schläge zu verhindern, immer den Stecker richtig und vollständig einstecken.

ATTENZIONE

Per ridurre il rischio di incendi o scosse elettriche, non esporre questo apparato alla pioggia o all'umidità.

Per evitare scosse elettriche, non aprire l'apparecchio.
Per le riparazioni, rivolgersi solo a personale qualificato.

IMPORTANTE
La targhetta con il nome si trova sul fondo (AC-911).

AVVERTENZA
Il presente apparecchio non è dotato di interruttore di alimentazione.
Quando si installa l'apparecchio, includere nell'impianto fisso un dispositivo di disconnessione rapidamente accessibile o collegare il cavo di alimentazione ad una presa in prossimità dell'apparecchio e che sia facilmente raggiungibile.
Nel caso in cui si dovesse verificare una anomalia durante il funzionamento dell'apparecchio, agire sull'interruttore del dispositivo di disconnessione o disconnettere il cavo di alimentazione.

ATTENZIONE
Per evitare scosse elettriche assicurarsi che la spina sia inserita correttamente e completamente nella presa.

ADVERTENCIA

Para reducir el riesgo de electrocución, no exponga este aparato a la lluvia ni a la humedad.

Para evitar descargas eléctricas, no abra el aparato.
Solicite asistencia técnica únicamente a personal especializado.

IMPORTANTE
La placa de caracteristicas se encuentra en la parte inferior (AC-911).

COPY

ADVERTENCIA

Esta unidad no tiene interruptor eléctrico.
Cuando instale la unidad, incluya un dispositivo de desconexión de fácil acceso en el cableado fijo o enchufe el cable eléctrico a un tomacorriente cerca de la unidad y de fácil acceso.
Si se produce una falla durante el funcionamiento de la unidad, utilice el dispositivo de desconexión para desconectar la electricidad o desenchufe el cable eléctrico.

PRECAUCIÓN

Para evitar descarga eléctrica, alinee la pata ancha del enchufe en la ranura ancha y enchufe a fondo.

COPY

For UTX-B1, UTX-H1, and UTX-P1 Transmitters

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. _____

IMPORTANT

The name plate is located on the bottom and the serial number is located inside the battery compartment (UTX-P1).

IMPORTANT

La plaquette signalétique est posée sur le dessous de l'appareil et le numéro de série dans le logement des piles (UTX-P1).

WICHTIG

Am Boden des Geräts befindet sich das Typenschild und die Seriennummer befindet sich innen im Batteriefach (UTX-P1).

IMPORTANTE

La targhetta con il nome si trova sul fondo e il numero di serie si trova all'interno del vano pile (UTX-P1).

IMPORTANTE

La placa de caracteristicas se encuentra en la parte inferior y el número de serie está en el interior del compartimiento de pilas (UTX-P1).

Notice for customers in the U.S.A.

Use of Sony wireless devices is regulated by the Federal Communications Commission as described in Part 74 subpart H of the FCC regulations and users authorized thereby are required to obtain an appropriate license.

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

IMPORTANT NOTE: To comply with the FCC RF exposure compliance requirements, no change to the antenna or the device is permitted. Any change to the antenna or the device could result in the device exceeding the RF exposure requirements and void user's authority to operate this device.

This device complies with FCC radiation exposure limits set forth for uncontrolled equipment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65. This device has very low levels of RF energy that it is deemed to comply without testing of specific absorption ratio (SAR).

COPY

Notice for customers in Canada:
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, no-protection basis with respect to broadcast signals.

Operation of this device 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.

Remarque à l'intention des utilisateurs au Canada:
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.

L'utilisation de cet appareil est soumise aux deux conditions suivantes: (1) cet appareil ne peut causer d'interférences, et (2) cet appareil doit accepter toutes les interférences, y compris les interférences capables de provoquer un fonctionnement non souhaité de l'appareil.

L'expression <<IC:>> avant le numéro d'homologation/ enregistrement signifie seulement que les spécifications techniques de l'Industrie Canada ont été respectées.

Für Kunden in Deutshland (UTX-B1/H1/P1)
Entsorgungshinweis: Bitte werfen Sie nur entladene Batterien in die Sammelboxen beim Handel oder den Kommunen. Entladen sind Batterien in der Regel dann, wenn das Gerät abschaltet und signalisiert "Batterie leer" oder nach längerer Gebrauchsdauer der Batterien "nicht mehr einwandfrei funktioniert". Um sicherzugehen, kleben Sie die Batteriepole z.B. mit einem Klebestreifen ab oder geben Sie die Batterien einzeln in einen Plastikbeutel.

Voor de Klanten in Nederland (UTX-B1/H1/P1)

Gooi de batterij niet weg maar lever deze in als klein chemisch afval (KCA).

COPY

Notice for customers in Europe
Notification aux clients européens
Hinweis für die Kunden in Europa
Avvertenza per gli utilizzatori in Europa
Aviso para los clientes de Europa
Nota para utilizadores da Europa
Mededeling voor de klanten in Europa
Att observera för kunder i Europa
Meddelelse til kunderne i Europa
Huomautus Euroopassa asuville asiakkaillemme
Ενημέρωση για τους πελάτες στην Ευρώπη

CE

U.K.	854.125 - 862 MHz
Germany	790 - 814 MHz
Norway	800 - 820 MHz
Luxembourg	800 - 830 MHz, 854.125 - 862 MHz
Belgium	854.125 - 862 MHz
Denmark	800.100 - 819.900 MHz
France	798 - 830 MHz
Italy	800 - 820 MHz
Sweden	800 - 820 MHz
Switzerland	800 - 820 MHz
Finland	800.100 - 819.900 MHz
Iceland	800 - 814 MHz

Hereby, Sony Corporation declares that this UTX-B1/UTX-H1/UTX-P1 is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. For details, please access the following URL:
http://www.compliance.sony.de/

Note:
In some countries additional frequency bands may be used with the agreement of the national authority.

Sony Corporation déclare par ces présentes que le UTX-B1/UTX-H1/UTX-P1 est conforme aux exigences essentielles et aux dispositions applicables de la Directive 1999/5/CE. Pour les détails, accédez à l'URL suivante:
http://www.compliance.sony.de/

Remarque:
Dans certains pays, des bandes de fréquences additionnelles pourront être utilisées avec l'accord des autorités nationales.

Hiermit erklärt Sony Corporation, dass die vorliegende Einheit UTX-B1/UTX-H1/UTX-P1 den wesentlichen Anforderungen und anderen relevanten Bestimmungen der Richtlinie 1999/5/EC entspricht. Für Einzelheiten siehe folgende URL:
http://www.compliance.sony.de/

Hinweis:
In manchen Ländern ist mit Genehmigung der zuständigen Behörden u.U. die Nutzung weiterer Frequenzbänder möglich.

COPY

Con questo Sony Corporation dichiara che questo UTX-B1/UTX-H1/UTX-P1 è in conformità con i requisiti essenziali e altri provvedimenti in materia della Direttiva 1999/5/CE. Per dettagli, si prega di accedere alla seguente URL:
http://www.compliance.sony.de/

Nota:
In alcuni paesi possono essere usate bande di frequenza supplementari con il permesso delle autorità nazionali.

Sony Corporation declara aquí que este modelo, UTX-B1/UTX-H1/UTX-P1, cumple los requisitos esenciales y demás provisiones pertinentes de la Directiva 1999/5/EC.Con respecto a los detalles, realice el acceso a la URL:
http://www.compliance.sony.de/

Nota:
En algunos países pueden utilizarse bandas de frecuencia adicionales de acuerdo con la autoridad nacional.

A Sony Corporation declara que o modelo UTX-B1/UTX-H1/UTX-P1 está em conformidade com as exigências essenciais e outras provisões pertinentes da Directiva 1999/5/EC. Mais informações neste endereço da Internet:
http://www.compliance.sony.de/

Obs.:
Em alguns países uma faixa adicional de frequências pode ser utilizada com autorização do governo nacional.

Sony Corporation verklaart hierbij dat de UTX-B1/UTX-H1/UTX-P1 voldoet aan de primaire vereisten en andere relevante voorschriften van de Europese Bepaling 1999/5/EC. Nadere bijzonderheden vindt u op de volgende website:
http://www.compliance.sony.de/

Opmerking:
In bepaalde landen kan er gebruik gemaakt worden van aanvullende frequentiebanden, mits toegestaan door de nationale instanties.

Sony Corporation förkunnar härmed att denna UTX-B1/UTX-H1/UTX-P1 uppfyller de huvudsakliga kraven och andra relevanta villkor i direktivet 1999/5/EC. Se följande URL för närmare detaljer:
http://www.compliance.sony.de/

Observera:
I vissa länder kan det hända att ytterligare frekvensband används efter överenskommelse med det landets myndigheter.

Sony Corporation erklærer herved, at denne UTX-B1/UTX-H1/UTX-P1 er i overensstemmelse med de essentielle krav og andre relevante bestemmelser i direktiv 1999/5/EC. Åbn venligst den følgende URL angående detaljer:
http://www.compliance.sony.de/

Bemærk:
I nogle land kan yderligere frekvensbånd blive anvendt med de nationale autoriteters samtykke.

COPY

Sony Corporation julistaa täten, että tämä UTX-B1/UTX-H1/UTX-P1 vastaa direktiivin 1999/5/EC olennaisia vaatimuksia ja muita asiaankuuluvia määräyksiä. Katso tarkemmat tiedot osoitteesta: http://www.compliance.sony.de/

Huom!
Joissakin maissa lisätaajuuskaistoja voidaan käyttää viranomaisten suostumuksella.

Με το παρόν, η Sony δηλώνει ότι το UTX-B1/UTX-H1/UTX-P1 ικανοποιεί τις ουσιώδεις απαιτήσεις και τους άλλους σχετικούς όρους της Οδηγίας 1999/5/ΕΚ.

Για λεπτομέρειες, παρακαλούμε εισχωρήστε στο παρακάτω URL: http://www.compliance.sony.de/

Σημείωση:
Σε ορισμένες χώρες, μπορεί να χρησιμοποιούνται επιπλέον περιοχές συχνοτήτων, με τη συμφωνία της αρμόδιας εθνικής αρχής.

Note for customers in Switzerland:
Before use, a request of concession for a wireless microphone (Frequency Class 3) has to be submitted to Bakom.

Note concernant les utilisateurs en Suisse:
Une demande de concession de microphone sans fil (fréquence classe 3) doit être présentée au Bakom avant d'utiliser l'appareil.

Hinweis für Kunden in der Schweiz:
Vor Inbetriebnahme ist eine Konzessionsanforderung für ein drahtloses Mikrofon (Frequenzklasse 3) bei Bakom einzureichen.

Note for customers in Finland:
To own and use, it is necessary to obtain an individual licence of the Telecommunications Administration Center.

Huomautus Suomessa asuville asiakkaillemme
Omitusta ja käyttöä varten on tarpeen hankkia henkilökohtainen lupa tietoliikennehallintokeskuksesta.

Note for customers in Luxembourg:
Before any use of an equipment, the frequencies required have to be, if necessary according to the regulations in force, assigned prior to usage by the "ILT".

Remarque pour les clients au Luxembourg:
Avant tout emploi de cet appareil, si nécessaire conformément à la réglementation en vigueur, les fréquences requises doivent être assignées, avant l'usage par le "ILT".

Hinweis für Kunden in Luxemburg:
Vor Inbetriebnahme eines Geräts müssen die Frequenzen gegebenenfalls nach den geltenden Vorschriften vor dem Gebrauch von der „ILT" zugewiesen werden.

COPY

Note for customers in Italy:
The use of this product within Italy is subject to article 334 of the Postal and Telecommunications regulations.

Nota per i clienti in Italia:
L'uso del prodotto sul territorio italiano è soggetto alle regolamentazioni del Codice Postale e delle Telecomunicazioni art. 334.

Note for customers in Belgium:
Using the UTX-B1/UTX-H1 with 30 mW RF output power is not allowed. Be sure to set the RF output power to 5 mW.
The UTX-P1's RF output power is 50 mW. Using the UTX-P1 in Belgium is not allowed.

Remarque concernant les utilisateurs en Belgique:
L'emploi du UTX-B1/UTX-H1 avec une puissance de sortie RF 30 mW n'est pas autorisé. Bien régler la puissance de sortie RF à 5 mW.
La puissance de sortie RF du UTX-P1 est 50 mW. L'emploi du UTX-P1 n'est pas autorisé en Belgique.

Hinweis für Kunden in Belgien:
Verwendung des UTX-B1/UTX-H1 mit 30 mW HF-Ausgangsleistung ist nicht zulässig. Immer die HF-Ausgangsleistung auf 5 mW einstellen.
Die Ausgangsleistung des UTX-P1 beträgt 50 mW. Verwendung des UTX-P1 in Belgien ist nicht zulässig.

Mededeling voor de klanten in België:
Het is niet toegestaan de UTX-B1/UTX-H1 te gebruiken met een RF uitgangsvermogen van 30 mW. Zorg dat het RF uitgangsvermogen is ingesteld op 5 mW.
Het RF uitgangsvermogen van de UTX-P1 is 50 mW. De UTX-P1 mag niet in België worden gebruikt.

Note for customers in Norway:
Using this transmitter requires the Individual License.

Hinweis für Kunden in Deutschland:
Vor Inbetriebnahme muss bei der zuständigen Außenstelle der Regulierungsbehörde (Reg TP) eine Kanalzuweisung beantragt werden.

Note for customers in Iceland:
Using this transmitter requires the Individual License.

Note for customers in Sweden:
Using this transmitter requires the Individual License.

Att observera för kunder i Sverige:
För att använda denna sändare krävs Individuell Licens.

COPY

For URX-P1, URX-M1, and URX-R1 Tuners

Owner's Record

The model and serial numbers are located at the rear or on the side 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. _____

Notice for customers in the U.S.A.

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

Declaration of Conformity

Trade Name:	SONY
Model No.:	URX-P1 URX-M1 URX-R1
Responsible Party:	Sony Electronics Inc.
Address:	16450 W. Bernardo Dr, San Diego, CA. 92127 U.S.A.
Telephone No.:	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.

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/

Notice for customers in Canada:

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, no-protection basis with respect to broadcast signals.

Operation of this device 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.

Remarque à l'intention des utilisateurs au Canada:

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

COPY

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.

L'utilisation de cet appareil est soumise aux deux conditions suivantes: (1) cet appareil ne peut causer d'interférences, et (2) cet appareil doit accepter toutes les interférences, y compris les interférences capables de provoquer un fonctionnement non souhaité de l'appareil.

L'expression <<IC:>> avant le numéro d'homologation/ enregistrement signifie seulement que les spécifications techniques de l'Industrie Canada ont été respectées.

Für Kunden in Deutshland (URX-P1)

Entsorgungshinweis: Bitte werfen Sie nur entladene Batterien in die Sammelboxen beim Handel oder den Kommunen. Entladen sind Batterien in der Regel dann, wenn das Gerät abschaltet und signalisiert "Batterie leer" oder nach längerer Gebrauchsdauer der Batterien "nicht mehr einwandfrei funktioniert". Um sicherzugehen, kleben Sie die Batteriepole z.B. mit einem Klebestreifen ab oder geben Sie die Batterien einzeln in einen Plastikbeutel.

Voor de Klanten in Nederland (URX-P1)

Gooi de batterij niet weg maar lever deze in als klein chemisch afval (KCA).

Notice for customers in Europe
Notification aux clients européens
Hinweis für die Kunden in Europa
Avvertenza per gli utilizzatori in Europa
Aviso para los clientes de Europa
Nota para utilizadores da Europa
Mededeling voor de klanten in Europa
Att observera för kunder i Europa
Meddelelse til kunderne i Europa
Huomautus Euroopassa asuville asiakkaillemme
Ενημέρωση για τους πελάτες στην Ευρώπη

CE

U.K.	854.125 - 862 MHz
Germany	790 - 814 MHz
Norway	800 - 820 MHz
Luxembourg	800 - 830 MHz, 854.125 - 862 MHz
Belgium	854.125 - 862 MHz
Denmark	800.100 - 819.900 MHz
France	798 - 830 MHz
Italy	800 - 820 MHz
Sweden	800 - 820 MHz
Switzerland	800 - 820 MHz
Finland	800.100 - 819.900 MHz
Iceland	800 - 814 MHz

Hereby, Sony Corporation declares that this URX-P1/M1/R1 is in compliance with the essential

COPY

requirements and other relevant provisions of Directive 1999/5/EC. For details, please access the following URL:
http://www.compliance.sony.de/

Sony Corporation déclare par ces présentes que le URX-P1/M1/R1 est conforme aux exigences essentielles et aux dispositions applicables de la Directive 1999/5/CE. Pour les détails, accédez à l'URL suivante:
http://www.compliance.sony.de/

Hiermit erklärt Sony Corporation, dass die vorliegende Einheit URX-P1/M1/R1 den wesentlichen Anforderungen und anderen relevanten Bestimmungen der Richtlinie 1999/5/EC entspricht. Für Einzelheiten siehe folgende URL:
http://www.compliance.sony.de/

Con questo Sony Corporation dichiara che questo URX-P1/M1/R1 è in conformità con i requisiti essenziali e altri provvedimenti in materia della Direttiva 1999/5/CE. Per dettagli, si prega di accedere alla seguente URL:
http://www.compliance.sony.de/

Sony Corporation declara aquí que este modelo, URX-P1/M1/R1 cumple los requisitos esenciales y demás provisiones pertinentes de la Directiva 1999/5/EC. Con respecto a los detalles, realice el acceso a la URL:
http://www.compliance.sony.de/

A Sony Corporation declara pela presente que o modelo URX-P1/M1/R1 está em conformidade com as exigências essenciais e outras provisões pertinentes da Directiva 1999/5/EC. Mais informações neste endereço da Internet:
http://www.compliance.sony.de/

Sony Corportion verklaart hierbij dat de URX-P1/M1/R1 voldoet aan de primaire vereisten en andere relevante voorschriften van de Europese Bepaling 1999/5/EC. Nadere bijzonderheden vindt u op de volgende website:
http://www.compliance.sony.de/

Sony Corporation förkunnar härmed att denna URX-P1/M1/R1 uppfyller de huvudsakliga kraven och andra relevanta villkor i direktivet 1999/5/EC. Se följande URL för närmare detaljer:
http://www.compliance.sony.de/

Sony Corporation erklærer herved, at denne URX-P1/M1/R1 er i overensstemmelse med de essentielle krav og andre relevante bestemmelser i direktiv 1999/5/EC. Åbn venligst den følgende URL angående detaljer:
http://www.compliance.sony.de/

Sony Corporation julistaa täten, että tämä URX-P1/M1/R1 vastaa direktiivin 1999/5/EC olennaisia vaatimuksia ja muita asiaankuuluvia määräyksiä. Katso tarkemmat tiedot osoitteesta:
http://www.compliance.sony.de/

Με το παρόν, η Sony δηλώνει ότι το URX-P1/M1/R1 ικανοποιεί τις ουσιώδεις απαιτήσεις και τους άλλους σχετικούς όρους της Οδηγίας 1999/5/ΕΚ.

Για λεπτομέρειες, παρακαλούμε εισχωρήστε στο παρακάτω URL:
http://www.compliance.sony.de/

COPY

Para os clientes no Brasil

O uso dos modulos UWP-C1, S1, X1 e UWP-C2, S2, X2 atende às normas e resoluções da Anatel, conforme homologação a seguir:

UWP-C1

UWP-C2

UWP-S1

UWP-S2

UWP-X1

UWP-X2

COPY

"Este equipamento opera em caráter secundário, isto é, não tem direito à proteção contra interferência prejudicial, mesmo de estações do mesmo tipo, e não pode causar interferência a sistemas operando em caráter primário."

Qualquer mudança ou modificação não expressamente aprovada no manual que acompanha o produto poderá invalidar a operabilidade do equipamento.

Table of Contents

Configuration of the Packages 17
UWP-C1 17
UWP-C2 18
UWP-C3 19
UWP-S1 20
UWP-S2 21
UWP-X1 22
UWP-X2 23
Features 24
Using the CD-ROM Manual 26
CD-ROM system requirements 26
Preparations 26
To read the operating instructions 26
To read the Sony Wireless Microphone System Frequency List 26
Precautions 28
Parts Identification 29
Body-pack transmitter (UTX-B1) 29
Hand-held microphone (UTX-H1) 30
Plug-on transmitter (UTX-P1) 31
Portable diversity tuner (URX-P1) 33
Half-rack size diversity tuner (URX-R1) 35
Diversity tuner module (URX-M1) 36
Power Supply 38
Inserting the batteries 38
Attachment and Installation Procedures 41
Attaching the supplied accessories to the body-pack transmitter (UTX-B1) 41
Attaching the supplied accessory to the hand-held microphone (UTX-H1) 42
Inserting the plug-on transmitter (UTX-P1) into the supplied soft case 42
Attaching optional accessory to the plug-on transmitter (UTX-P1) 43
Attaching the supplied accessories to the portable diversity tuner (URX-P1) 43
Installing the diversity tuner module (URX-M1) 44
Settings 47
Setting the transmission channel 47
Setting the reception channel ... 48
Detecting and selecting the available channels automatically (diversity tuner module (URX-M1) only) 50
Setting the attenuation level of the audio input 50
Resetting the accumulated battery use time indication 51
Setting the RF output level 52
Setting the monitor level (portable diversity tuner (URX-P1) only) 52
Operation 53
System Configurations 54
Configuration examples of the UWP-C1/C2/S1/S2/X1/X2 54
Configuration example of the UWP-C3 57
Error Messages 58
Troubleshooting 59
Specifications 61

COPY

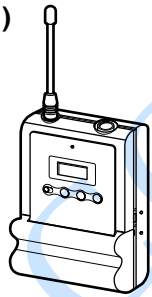
Configuration of the Packages

This operation manual is for the UWP-C1/C2/C3/S1/S2/X1/X2 wireless microphone packages. The contents of each package are described below.

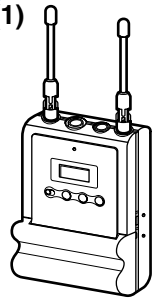
UWP-C1

The UWP-C1 consists of a body-pack transmitter (UTX-B1) and a portable diversity tuner (URX-P1). When used in conjunction with a compact camcorder, the UWP-C1 makes a mobile system for ENG (Electronic News Gathering) or EFP (Electronic Field Production) purposes.

Body-pack transmitter (UTX-B1) (1)

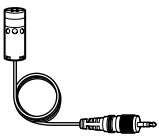


Portable diversity tuner (URX-P1) (1)



Supplied accessories

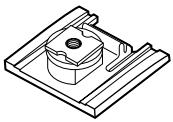
- Omni-directional lavalier microphone (1)



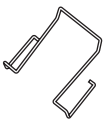
- Wind screen (1)

- Holder clip (1)

- XLR-BMP conversion cable (1)
- Stereo mini plug-BMP conversion cable (1)
- Shoe mount adapter (1)



- Belt clip (2)



- Microphone stand adapter (1)

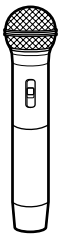
- Operation manual (1)
- CD-ROM (1) (for U62, U66, CE62, and CE67 models)
- Sony Wireless Microphone System Frequency List (1) (for AU66 and CE67 models)
- Warranty card (1) (for U62 and U66 models)

COPY

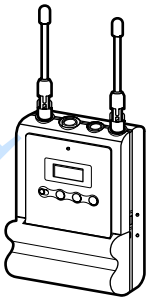
UWP-C2

The UWP-C2 consists of a hand-held microphone (UTX-H1) and a portable diversity tuner (URX-P1). When used in conjunction with a compact camcorder, the UWP-C2 makes a mobile system for ENG (Electronic News Gathering) or EFP (Electronic Field Production) purposes.

Hand-held microphone (UTX-H1) (1)

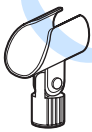


Portable diversity tuner (URX-P1) (1)

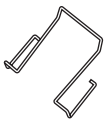


Supplied accessories

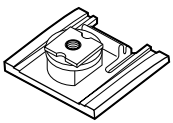
- Microphone holder (1)



- Belt clip (1)



- Shoe mount adapter (1)



- XLR-BMP conversion cable (1)
- Stereo mini plug-BMP conversion cable (1)
- Microphone stand adapter (1)

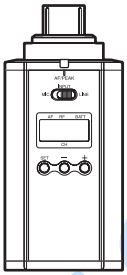
- Operation manual (1)
- CD-ROM (1) (for U62, U66, CE62, and CE67 models)
- Sony Wireless Microphone System Frequency List (1) (for AU66 and CE67 models)
- Warranty card (1) (for CE62 and U66 models)

COPY

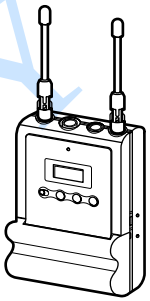
UWP-C3

The UWP-C3 consists of a plug-on transmitter (UTX-P1) and a portable diversity tuner (URX-P1). When used in conjunction with a compact camcorder, the UWP-C3 makes a mobile system for ENG (Electronic News Gathering) or EFP (Electronic Field Production) purposes.

Plug-on transmitter (UTX-P1) (1)

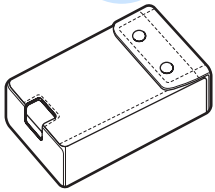


Portable diversity tuner (URX-P1) (1)

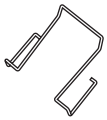


Supplied accessories

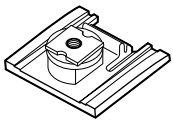
- Soft case (1)



- Belt clip (1)



- Shoe mount adapter (1)



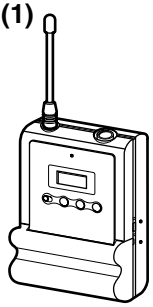
- XLR-BMP conversion cable (1)
- Stereo mini plug-BMP conversion cable (1)
- Operation manual (1)
- CD-ROM (1) (for U62, U66, CE62, and CE67 models)
- Sony Wireless Microphone System Frequency List (1) (for CE67 model)
- Warranty card (1) (for U62 and U66 models)

COPY

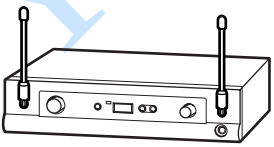
UWP-S1

The UWP-S1 consists of a body-pack transmitter (UTX-B1) and a half-rack size diversity tuner (URX-R1). The UWP-S1 is suitable for constructing a wireless system for AV presentations.

Body-pack transmitter (UTX-B1) (1)

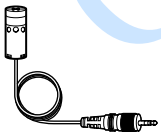


Half-rack size diversity tuner (URX-R1) (1)



Supplied accessories

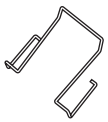
- Unidirectional lavalier microphone (1)



- Wind screen (1)

- Holder clip (1)

- AC adapter (1)
  - AC-S906T (for U62 and U66 models)
  - AC-S906 (for CE62 model)
  - AC-S911 (for CE67 model)
  - AC-X1 (for AU66 model)
- Belt clip (1)



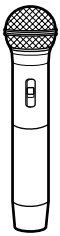
- Operation manual (1)
- CD-ROM (1) (for U62, U66, CE62, and CE67 models)
- Sony Wireless Microphone System Frequency List (1) (for AU66 and CE67 models)
- Warranty card (1) (for U62 and U66 models)

COPY

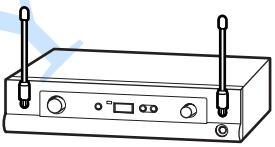
UWP-S2

The UWP-S2 consists of a hand-held microphone (UTX-H1) and a half-rack size diversity tuner (URX-R1). The UWP-S2 is suitable for constructing a wireless system for AV presentations.

Hand-held microphone (UTX-H1) (1)

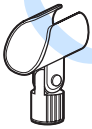


Half-rack size diversity tuner (URX-R1) (1)



Supplied accessories

- Microphone holder (1)



- AC adapter (1)
  - AC-S906T (for U62 and U66 models)
  - AC-S906 (for CE62 model)
  - AC-S911 (for CE67 model)
  - AC-X1 (for AU66 model)

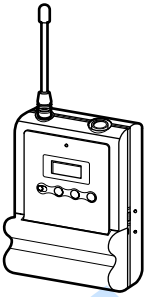
- Operation manual (1)
- CD-ROM (1) (for U62, U66, CE62, and CE67 models)
- Sony Wireless Microphone System Frequency List (1) (for AU66 and CE67 models)
- Warranty card (1) (for U62 and U66 models)

COPY

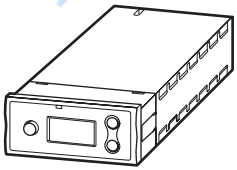
UWP-X1

The UWP-X1 consists of a body-pack transmitter (UTX-B1) and a diversity tuner module (URX-M1). By installing the tuner module into a tuner base unit or a powered mixer, the system construction to meet the desired purpose of use and required system scale becomes possible.

Body-pack transmitter (UTX-B1) (1)

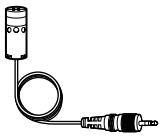


Diversity tuner module (URX-M1) (1)



Supplied accessories

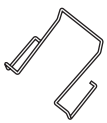
- Unidirectional lavalier microphone (1)



- Wind screen (1)

- Holder clip (1)

- Belt clip (1)



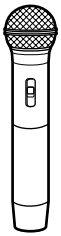
- Operation manual (1)
- CD-ROM (1) (for U62, U66, CE62, and CE67 models)
- Sony Wireless Microphone System Frequency List (1) (for AU66 and CE67 models)
- Warranty card (1) (for U62 and U66 models)

COPY

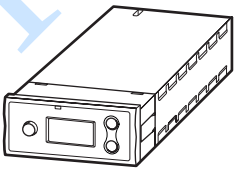
UWP-X2

The UWP-X2 consists of a hand-held microphone (UTX-H1) and a diversity tuner module (URX-M1) . By installing the tuner module into a tuner base unit or a powered mixer, the system construction to meet the desired purpose of use and required system scale becomes possible.

Hand-held microphone (UTX-H1) (1)

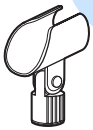


Diversity tuner module (URX-M1) (1)



Supplied accessories

- Microphone holder (1)



- Operation manual (1)
- CD-ROM (1) (for U62, U66, CE62, and CE67 models)
- Sony Wireless Microphone System Frequency List (1) (for AU66 and CE67 models)
- Warranty card (1) (for U62 and U66 models)

COPY

Features

Each of the UWP-C1/C2/C3/S1/S2/X1/X2 wireless microphone packages (referred to as the UWP series hereafter) combines a transmitter (body-pack transmitter (UTX-B1), hand-held microphone (UTX-H1), or plug-on transmitter (UTX-P1)) and a receiver (portable diversity tuner (URX-P1), half-rack size diversity tuner (URX-R1), or diversity tuner module (URX-M1)). The UWP series can be used with a compact camcorder for ENG (Electronic News Gathering) purposes, and with a powered mixer for AV presentations or as a PA (public address) system.

Note

The UWP series is not compatible with conventional WRT series transmitters, WRR series tuners, or WRU series tuner units.

The features of each package are described below.

UWP-C1

Body-pack transmitter (UTX-B1)

This is a small and lightweight transmitter with a crystal-controlled PLL (phase lock loop) synthesized system and a BMP-type microphone input connector. The RF power output can be set at 30 mW or at 5 mW.

Portable diversity tuner (URX-P1)

This tuner employs a space diversity system with little signal dropout and two angle-adjustable antennas. It comes with an adapter for mounting the tuner on the compact camcorder (DSR-PD170/PD170P, HVR-Z1, etc.).

UWP-C2

Hand-held microphone (UTX-H1)

This microphone is equipped with a built-in antenna and a unidirectional dynamic microphone unit. The RF power output can be set at 30 mW or at 5 mW.

Portable diversity tuner (URX-P1)

This tuner employs a space diversity system with little signal dropout and two angle-adjustable antennas. It comes with an adapter for mounting the tuner on the compact camcorder (DSR-PD170/PD170P, HVR-Z1, etc.).

UWP-C3

Plug-on transmitter (UTX-P1)

This is a small and lightweight plug-on transmitter with a crystal-controlled PLL (phase lock loop) synthesized system and an XLR-type microphone input connector. The RF power output is set at 50 mW.

COPY

Portable diversity tuner (URX-P1)

This tuner employs a space diversity system with little signal dropout and two angle-adjustable antennas. It comes with an adapter for mounting the tuner on the compact camcorder (DSR-PD170/PD170P, HVR-Z1, etc.).

UWP-S1

Body-pack transmitter (UTX-B1)

This is a small and lightweight transmitter with a crystal-controlled PLL (phase lock loop) synthesized system and a BMP-type microphone input connector. The RF power output can be set at 30 mW or at 5 mW.

Half-rack size diversity tuner (URX-R1)

This tuner employs a space diversity system with little signal dropout and two angle-adjustable antennas. It comes with two types of audio connectors (1/4-inch jack and XLR type) on the rear panel.

UWP-S2

Hand-held microphone (UTX-H1)

This microphone is equipped with a built-in antenna and a unidirectional dynamic microphone unit. The RF power output can be set at 30 mW or at 5 mW.

Half-rack size diversity tuner (URX-R1)

This tuner employs a space diversity system with little signal dropout and two angle-adjustable antennas. It comes with two types of audio connectors (1/4-inch jack and XLR type) on the rear panel.

UWP-X1

Body-pack transmitter (UTX-B1)

This is a small and lightweight transmitter with a crystal-controlled PLL (phase lock loop) synthesized system and a BMP-type microphone input connector. The RF power output can be set at 30 mW or at 5 mW.

Diversity tuner module (URX-M1)

This tuner module can be incorporated into the MB-806A Tuner Base Unit or SRP-X500P/X700P Powered Mixer.

UWP-X2

Hand-held microphone (UTX-H1)

This microphone is equipped with a built-in antenna and a unidirectional dynamic microphone unit. The RF power output can be set at 30 mW or at 5 mW.

Diversity tuner module (URX-M1)

This tuner module can be incorporated into the MB-806A Tuner Base Unit or SRP-X500P/X700P Powered Mixer.

COPY

Using the CD-ROM Manual

The supplied CD-ROM includes operating instructions for the UWP series wireless microphone packages (English, Japanese, French, German, Italian, and Spanish versions) and Sony Wireless Microphone System Frequency Lists (English, French, German, and Spanish versions).

CD-ROM system requirements

The following are required to access the supplied CD-ROM disc.

- Computer: PC with Intel Pentium CPU
  - — Installed memory: 64 MB or more
  - — CD-ROM drive: ×8 or faster
- Monitor: Monitor supporting resolution of 800 × 600 or higher
- Operating system: Microsoft Windows XP Professional or Windows XP Home Edition

When these requirements are not met, access to the CD-ROM disc may be slow, or not possible at all.

Preparations

One of the following programs must be installed on your computer in order to use the operating instructions contained on the CD-ROM disc.

- Adobe Acrobat Reader Version 4.0 or higher
- Adobe Reader Version 6.0 or higher

Note

If Adobe Reader is not installed, you can download it from the following URL:
http://www.adobe.com/

To read the operating instructions

To read the operating instructions contained in the CD-ROM disc, do the following.

1 Insert the CD-ROM disc in your CD-ROM drive.

A cover page appears automatically in your browser. If it does not appear automatically in the browser, open My Computer, access the CD-ROM drive, and double-click the index.htm file.

2 Select and click the operating instructions that you want to read.

A PDF file of the operating instructions opens.

To read the Sony Wireless Microphone System Frequency List

The frequency lists for U62 and U66 models (for the U.S.A.) and CE62 and CE67 models (for Europe) are contained in the CD-ROM disc. To read the frequency lists, do the following.

COPY

1 Insert the CD-ROM disc in your CD-ROM drive.

A cover page appears automatically in your browser.

2 Select and click the frequency list that you want to read.

A PDF file of the frequency list opens.

Note

If you lose the CD-ROM disc or become unable to read its content, you can purchase a new CD-ROM disc to replace one that has been lost or damaged. Contact your Sony service representative.

Trademarks

- Intel and Pentium are registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries.
- Microsoft and Windows are registered trademarks of Microsoft Corporation in the United States and/or other countries.
- Adobe, Acrobat, and Adobe Reader are trademarks of Adobe Systems Incorporated in the United States and/or other countries.

COPY

Precautions

- The UWP series product must be used within a temperature range of 0°C to 40°C (32°F to 104°F).
- Operating the UWP series product near electrical equipment (motors, transformers, or dimmers) may cause it to be affected by electromagnetic induction. Keep the UWP series product as far from such equipment as possible.
- The presence of the lighting equipment may produce electrical interference over the entire frequency range. Position the UWP series product so that interference is minimized.
- To avoid degradation of the signal-to-noise ratio, do not use the UWP series product 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

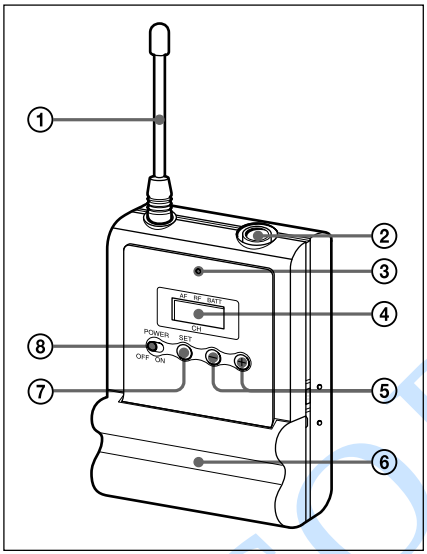
  Keep the UWP series product as far from such equipment as possible or use buffering material.
- Clean the surface and the connectors of the UWP series product with a dry, soft cloth. Never use thinner, benzene, alcohol or any other chemicals, since these may mar the finish.

To prevent electromagnetic interference from portable communication devices

The use of portable telephones and other communication devices near the UWP series product may result in malfunction and interference with audio signals. It is recommended that portable communication devices near the UWP series product be turned off.

COPY

Body-pack transmitter (UTX-B1)

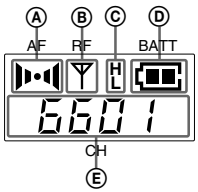


❶ Antenna

❷ Audio input connector
Connect the supplied lavalier microphone here.

❸ Power indicator
Lights up red when the transmitter is tuned on.

❹ Display section



The Ⓔ channel indication for U66 model is shown.

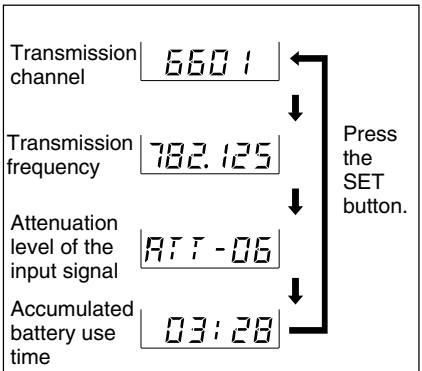
Ⓐ AF (audio frequency) indication
Appears whenever the input audio signal is stronger than the reference level.

Ⓑ RF (radio frequency) indication
Appears during signal transmission from the antenna.

Ⓒ RF (radio frequency) level indication
Shows the RF output level setting.
For details, see "Setting the RF output level" on page 52.

Ⓓ BATT (battery) indication
Shows the battery condition.
For details, see "Power Supply" on page 38.

Ⓔ CH (channel) indication
Shows the transmission channel. Each time you press the SET button in transmission mode, the channel indication changes as follows.
For details, see "Settings" on page 47.



The channel/frequency indications for U66 model are shown.

COPY

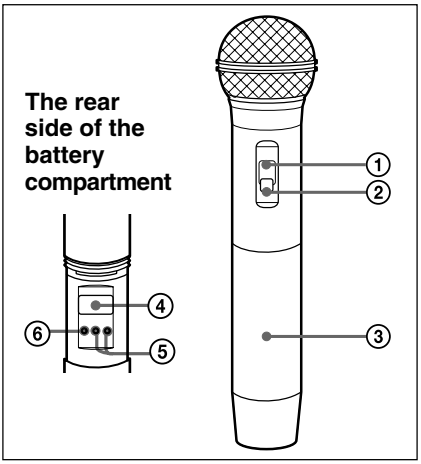
❺ + (+ selection) / – (– selection/ reset) buttons
Press these buttons to set the transmission channel, frequency, or attenuation level of the input signal. The "–" button resets the accumulated battery use time to "00:00".

❻ Battery compartment
Accommodates two LR6 (size AA) alkaline batteries.
For details on how to insert the batteries, see "Power Supply" on page 38.

❼ SET button
Press to change and enter display parameters.
For details, see "Settings" on page 47.

❽ POWER switch
Turns the power of the transmitter ON or OFF.

Hand-held microphone (UTX-H1)

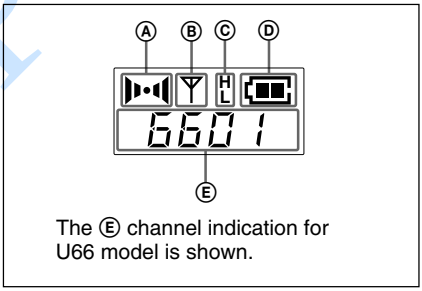


❶ Power indicator
Lights up red when the microphone is turned on.

❷ POWER switch
Turns the power of the microphone ON or OFF.

❸ Battery compartment
Accommodates two LR6 (size AA) alkaline batteries.
For details on how to insert the batteries, see "Power Supply" on page 38.

❹ Display section



The Ⓔ channel indication for U66 model is shown.

Ⓐ AF (audio frequency) indication
Appears whenever the input audio signal is stronger than the reference level.

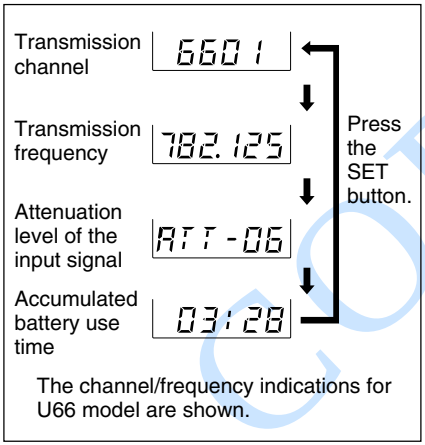
Ⓑ RF (radio frequency) indication
Appears during signal transmission from the antenna.

Ⓒ RF (radio frequency) level indication
Shows the RF output level setting.
For details, see "Setting the RF output level" on page 52.

COPY

Ⓓ BATT (battery) indication
Shows the battery condition.
For details, see "Power Supply" on page 38.

Ⓔ CH (channel) indication
Shows the transmission channel. Each time you press the SET button, the channel indication changes as follows.
For details, see "Settings" on page 47.



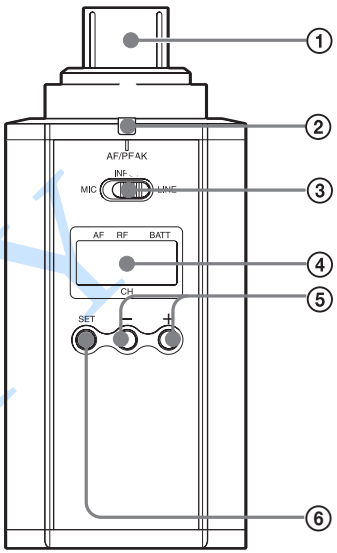
The channel/frequency indications for U66 model are shown.

❺ + (+ selection) / – (– selection/ reset) buttons
Press these buttons to set the transmission channel, frequency, or attenuation level of the input signal. The "–" button resets the accumulated battery use time to "00:00".

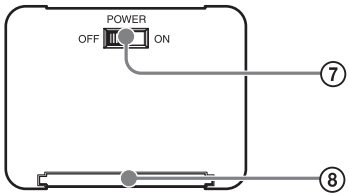
❻ SET button
Press to change display parameters.
For details, see "Settings" on page 47.

Plug-on transmitter (UTX-P1)

Front side



Bottom side



❶ Audio input connector (XLR type)
Connect a microphone or a line output connector of an audio mixer, etc.

COPY

❷ AF/PEAK (audio frequency/ peak) level indicator

The color indicates the strength of the audio input signal.

On in red: Audio input level is –40 dBV or more (when the INPUT selector is set to MIC) or +8 dBV or more (when the INPUT selector is set to LINE).

On in green: Audio input level is –60 dBV or more and less than –40 dBV (when the INPUT selector is set to MIC) or –9 dBV or more and less than +8 dBV (when the INPUT selector is set to LINE).

Off: Audio input level is less than –60 dBV (when the INPUT selector is set to MIC) or less than –9 dBV (when the INPUT selector is set to LINE).

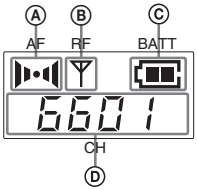
❸ INPUT (input signal) selector

Set this selector to MIC when a microphone is conneted to the audio input connector; set it to LINE when an audio mixer, etc. is conneted to the audio input connector.

Notes

- The UTX-P1 does not support external power supply. Do not connect a mirophone which requires external power supply.
- Do not set the INPUT selector to MIC position while the audio signal is being input from the audio mixer, etc. Doing so may cause excessive audio input, resulting in distorted playback or recorded sound or damage to the playback or recording equipment.

❹ Display section



The Ⓓ channel indication for U66 model is shown.

Ⓐ AF (audio frequency) indication

Appears whenever the input audio signal is stronger than the reference level.

Ⓑ RF (radio frequency) indication

Appears during signal transmission.

Ⓒ BATT (battery) indication

Shows the battery condition.

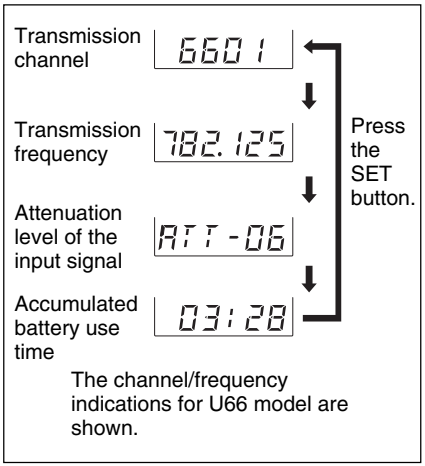
For details, see "Power Supply" on page 38.

Ⓓ CH (channel) indication

Shows the transmission channel. Each time you press the SET button in transmission mode, the channel indication changes as follows.

For details, see "Settings" on page 47.

COPY



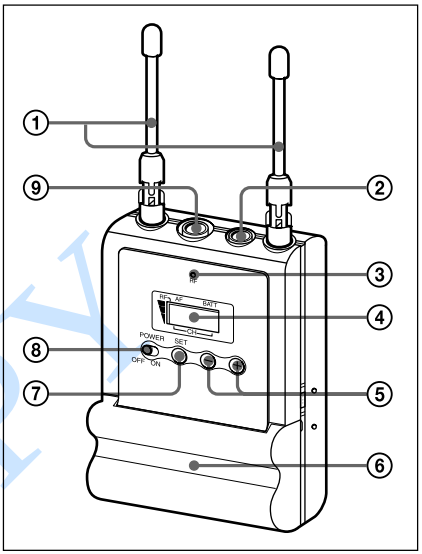
❺ + (+ selection) / – (– selection/ reset) buttons
Press these buttons to set the transmission channel, frequency, or attenuation level of the input signal. The "–-" button resets the accumulated battery use time to "00:00".

❻ SET button
Press to change display parameters. *For details, see "Settings" on page 47.*

❼ POWER switch
Turns the power of the transmitter ON or OFF.

❽ Battery compartment
Accommodates two LR6 (size AA) alkaline batteries.
For details on how to insert the batteries, see "Power Supply" on page 38.

Portable diversity tuner (URX-P1)



❶ Antennas a/b
The angle of the antennas can be adjusted manually.

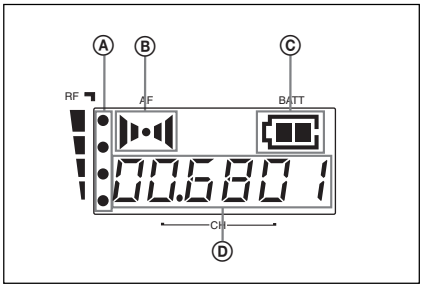
❷ MONITOR connector (3.5-mm diameter stereo mini jack)
To monitor the tuner output, connect the headphones to this connector.

❸ RF (radio frequency) indicator
The color indicates the strength of the RF input signal.
On in green: RF input is 15 dBμ* or more.
Off: RF input is less than 15 dBμ*.

* 0 dBμ = 1 μV$_{EMF}$

COPY

❹ Display section

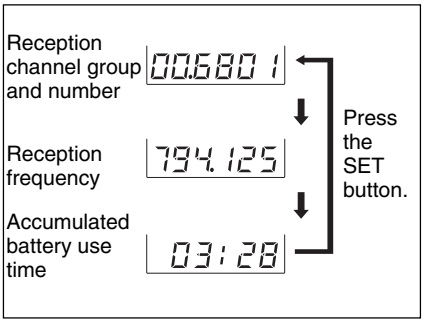


Ⓐ RF (radio frequency) indications
The number of dots indicates the RF input level.

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

Ⓒ BATT (battery) indication
Shows the battery condition.
For details, see "Power Supply" on page 38.

Ⓓ 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 "Settings" on page 47.



❺ + (+ selection) / – (– selection/ reset) buttons
Press these buttons to set the reception channel and frequency. The "–" button resets the accumulated battery use time to "00:00". These buttons can also be used to adjust the monitor level.

❻ Battery compartment
Accommodates two LR6 (size AA) alkaline batteries.
For details on how to insert the batteries, see "Power Supply" on page 38.

❼ SET button
Press to change display parameters.
For details, see "Settings" on page 47.

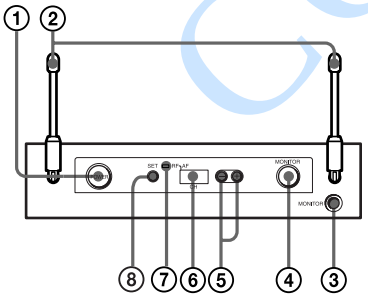
❽ POWER switch
Turns the power of the tuner ON or OFF.

COPY

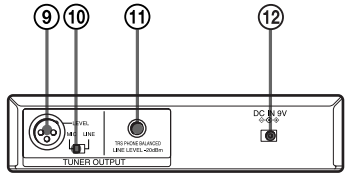
❾ OUTPUT (audio output) connector (3.5-mm diameter stereo mini jack)
Connect one end of the supplied XLR-BMP conversion cable or the stereo mini plug-BMP conversion cable here and the other end to the microphone input on a camcorder, mixer, or amplifier. If the microphone input connector on the device connected to the tuner is a stereo mini jack, connect the straight (BMP) plug to the tuner and the L-shaped (stereo mini) plug to the microphone input connector on the device.

Half-rack size diversity tuner (URX-R1)

Front panel



Rear panel



❶ POWER switch
Turns the power of the tuner ON or OFF.

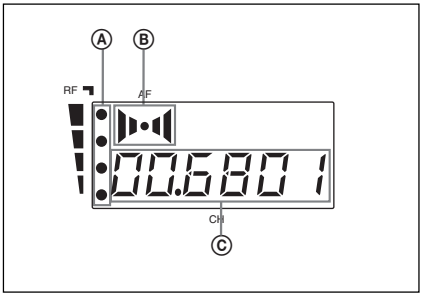
❷ Antennas a/b
The angle of the antennas can be adjusted manually.

❸ MONITOR connector (phone jack)
To monitor the tuner output, connect the headphones to this connector and adjust the monitor level with the MONITOR control. Use either stereo or monaural headphones.

❹ MONITOR control
Turn to adjust the output monitoring level (through the headphones).

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

❻ Display section

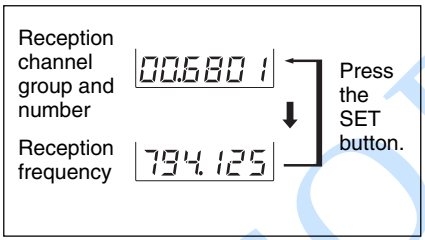


Ⓐ RF (radio frequency) indications
The number of dots indicates the RF input level.

COPY

Ⓑ 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 "Settings" on page 47.



❼ RF (radio frequency) indicator
The color indicates the strength of the RF input signal.
On in green: RF input is 25 dBμ* or more.
Off: RF input is less than 25 dBμ*.

❽ SET button
Press to change display parameters.
For details, see "Settings" on page 47.

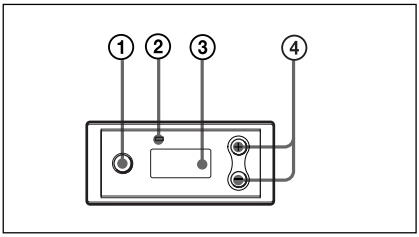
❾ TUNER OUTPUT (audio output) connector (XLR type)
Connect to the audio input connector of a mixer or amplifier, etc.

❿ LEVEL (audio output level) switch
Sets the output level of the TUNER OUTPUT connector to –28 dBm or –58 dBm.
Select the setting according to the input level of the equipment connected to the tuner.

⓫ TRS PHONE (tuner audio output) connector (1/4-inch jack)
Connect to the audio input connector of a mixer or amplifier, etc. The output level from this connector is –30 dBm.

⓬ DC IN 9V (DC power input) connector
Connect the supplied AC adapter here.

Diversity tuner module (URX-M1)



❶ SET button
Press to change display parameters.
For details, see "Settings" on page 47.

COPY

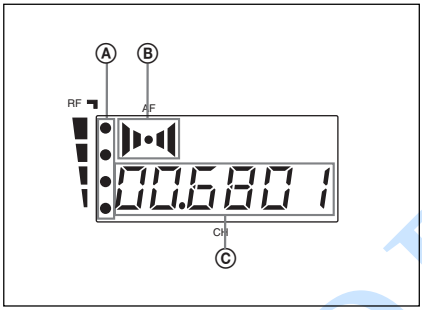
* 0 dBμ = 1 μV_{EMF}

❷ RF (radio frequency) indicator
The color indicates the strength of the RF input signal.

On in green: RF input is 25 dBμ* or more.

Off: RF input is less than 25 dBμ*.

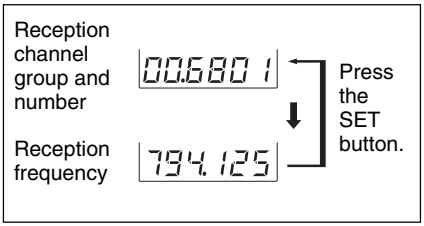
❸ Display section



Ⓐ 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 "Settings" on page 47.



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

COPY

* 0 dBμ = 1 μV_{EMF}

Power Supply

This section explains the power supply for each component.

- **Half-rack size diversity tuner (URX-R1)**
  Connect the supplied AC adapter to the DC IN 9V connector on the rear panel, and then connect the AC adapter to a wall outlet.

- **Diversity tuner module (URX-M1)**
  When incorporated into another component (e.g., MB-806A, SRP-X700P, 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.

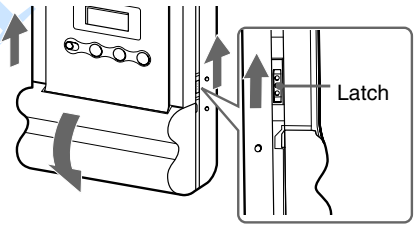
- **Body-pack transmitter (UTX-B1), hand-held microphone (UTX-H1), plug-on transmitter (UTX-P1), and portable diversity tuner (URX-P1)**
  These components can be powered by two LR6 (size AA) alkaline batteries for about six hours of continuous operation (at 25 ºC (77ºF)). Details on inserting the batteries and the battery condition indication are given below:

Inserting the batteries

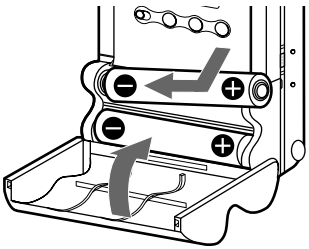
Body-pack transmitter (UTX-B1)/portable diversity tuner (URX-P1)

The procedure below uses the body-pack transmitter (UTX-B1) in the illustrations. Batteries are, however, inserted in the portable diversity tuner (URX-P1) in the same manner.

1 Slide the latches on both sides of the transmitter/tuner at the same time and open the battery compartment.



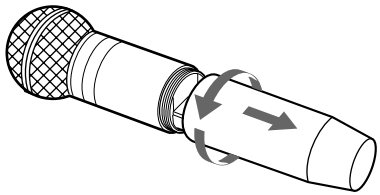
2 Align two new LR6 (size AA) alkaline batteries with the polarity markings and insert them into the battery compartment, and then close the cover.



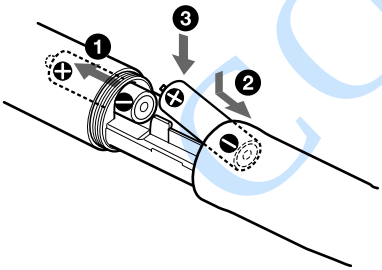
COPY

Hand-held microphone (UTX-H1)

1 Turn the grip in the direction of the arrow to open the battery compartment.



2 Align two new LR6 (size AA) alkaline batteries with the polarity markings and insert them into the battery compartment.



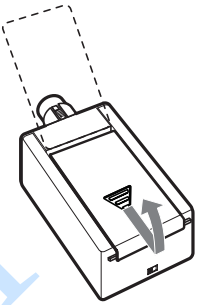
3 Turn the grip in the direction opposite to the arrow in step 1 to close the battery compartment.

Note

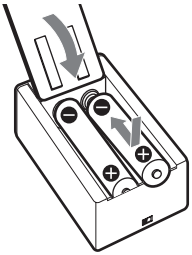
If you open the battery compartment during signal transmission, the noise may occur. Be sure to turn the microphone off before opening the battery compartment.

Plug-on transmitter (UTX-P1)

1 Slide the battery cover to release the lock and open the battery compartment.



2 Align two new LR6 (size AA) alkaline batteries with the polarity markings and insert them into the battery compartment, and then close the cover.



COPY

Battery indication

When you turn the power on, the battery condition is shown by the BATT indication in the display section.

When the indication in column 4 starts to flash, replace the batteries with new ones. Be sure to check the expiration date printed on the new batteries before using them.

	1	2	3	4
BATT indication	Lights	Lights	Lights	Flashes
Battery status	Good	Less than 50% charged	Less than 20% charged	Almost drained

Note

The indicated battery condition may not be correct if the batteries were not new when installed. If you plan to use the component for a long period, it is recommended that you replace the batteries with brand new ones.

COPY

Notes on batteries

Batteries may leak or explode if mistreated. Be sure to follow these instructions.

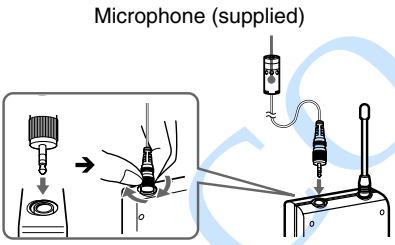
- Be sure to install the batteries with the correct polarity.
- Always replace the two batteries together.
- Do not use different types of batteries or old and new one together.
- The batteries are not rechargeable.
- When not using the component for a long period of time, remove the batteries to avoid leakage. If the batteries do leak, clean all leakage from the battery compartment and the component. Leakage left in the compartment and the component may cause poor battery contact. If there seems to be poor battery contact, consult your Sony dealer.

Attachment and Installation Procedures

This section describes the procedures for attaching the supplied accessories to components and the installation of the diversity tuner module (URX-M1) into the MB-806A Tuner Base Unit or SRP-X700P Powered Mixer.

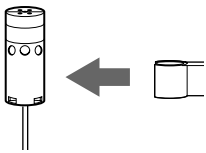
Attaching the supplied accessories to the body-pack transmitter (UTX-B1)

Attaching the microphone



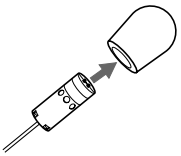
For a secure connection, be sure to turn and lock the connector cover.

Attaching the holder clip to the microphone



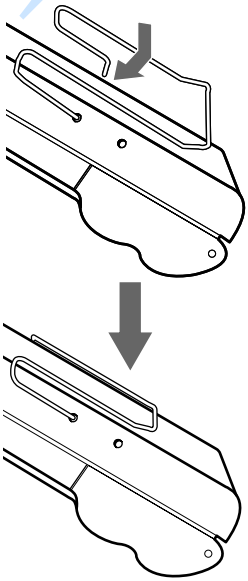
Push the holder clip against the bottom of the microphone until the holder clip clicks into place.

Attaching the wind screen to the microphone



Insert the microphone into the hole at the bottom of the windscreen.

Attaching the belt clip

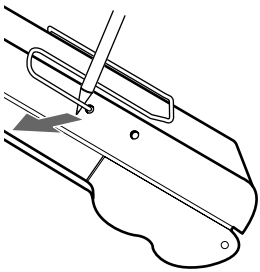


Insert one end of the belt clip into one of two holes on either side of the transmitter, and then insert the other end into the hole on the other side.

COPY

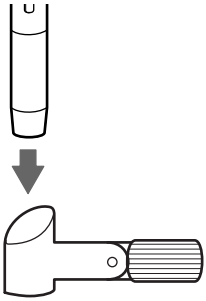
Removing the belt clip

Insert a pointed object such as a ballpoint pen between the belt clip and the transmitter to make some space between them, and then remove the end of the belt clip from the hole on the side of the transmitter.



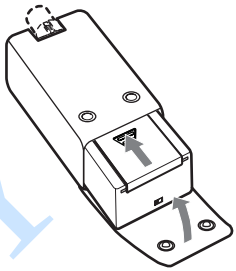
Attaching the supplied accessory to the hand-held microphone (UTX-H1)

Attaching the microphone holder



Insert the bottom part of the microphone into the holder.

Inserting the plug-on transmitter (UTX-P1) into the supplied soft case

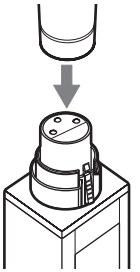


Insert the UTX-P1 into the supplied soft case with the rear side up, and close the flap.

COPY

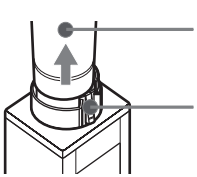
Attaching optional accessory to the plug-on transmitter (UTX-P1)

Attaching a microphone or a cable



Push the microphone or cable connector (XLR-3-12C connector) against the audio input connector of the UTX-P1 until it clicks into place.

Detaching a microphone or a cable

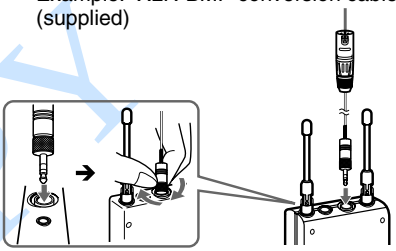


Press the release button and pull off the microphone or cable slowly.

Attaching the supplied accessories to the portable diversity tuner (URX-P1)

Connecting a supplied conversion cable to the OUTPUT connector

Example: XLR-BMP conversion cable (supplied)



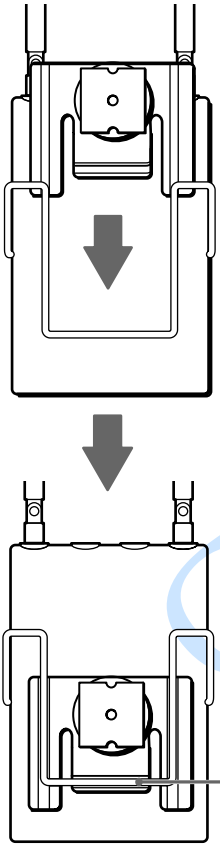
For a secure connection, be sure to turn and lock the connector cover.

Attaching the belt clip

See "Attaching the belt clip" on page 41.

COPY

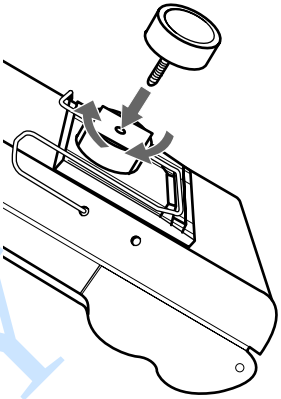
Attaching the shoe mount adapter



Be sure to hold the horizontal part of the belt clip with the horizontal groove on the shoe mount adapter.

After attaching the belt clip, insert the shoe mount adapter between the portable diversity tuner (URX-P1) and the belt clip, with the vertical parts of the belt clip aligned with the two vertical parallel grooves on the shoe mount adapter. Then, push the shoe mount adapter in the direction of the arrow, and then catch the horizontal part of the belt clip with the horizontal groove on the shoe mount adapter to hold the belt clip in place.

Attaching the microphone stand adapter



After attaching the belt clip and the shoe mount adapter, insert the microphone stand adapter into the screw hole at the top of the shoe mount adapter, and then rotate the microphone stand adapter until it is securely attached.

Installing the diversity tuner module (URX-M1)

Notes

- Before installing the diversity tuner module (URX-M1), make sure the unit into which the diversity tuner module (URX-M1) will be installed is turned off. Do not install or uninstall the diversity tuner module (URX-M1) while the unit is turned on, as this may damage the connector or cause noise.

COPY

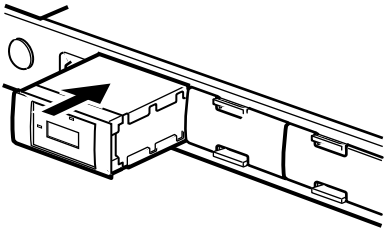
- The buttons and display on the front panel of the diversity tuner module (URX-M1) may be damaged if they are gripped too strongly. Always hold the diversity tuner module by the side.
- Do not put your fingers on the connectors on the rear panel of the diversity tuner module (URX-M1) or into the slot on the unit into which the diversity tuner module (URX-M1) will be installed.
- Keep the diversity tuner module (URX-M1) away from static electricity.

Installing a diversity tuner module (URX-M1) into an MB-806A Tuner Base Unit

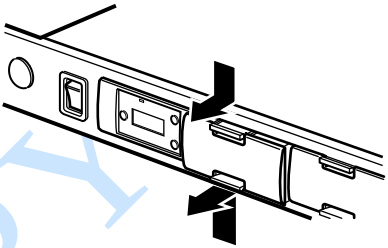
The MB-806A Tuner Base Unit can accommodate up to 6 diversity tuner modules (URX-M1).

1 Holding both sides of the diversity tuner module (URX-M1), insert it into the slot.

Push it in until you hear a click.

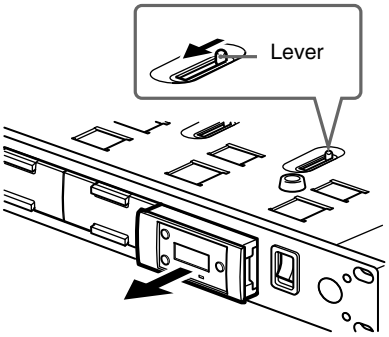


2 To install two or more diversity tuner modules (URX-M1) , detach the necessary number of blank panels by pressing the top and bottom tabs on each panel towards each other and pulling the panel out. Then do step 1 for each module.



Removing a diversity tuner module (URX-M1)

On the bottom panel of the MB-806A, locate the lever corresponding to the slot of the diversity tuner module (URX-M1) to be removed and pull the lever forward. The diversity tuner module (URX-M1) is ejected from the slot.

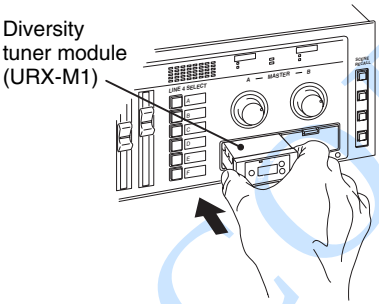


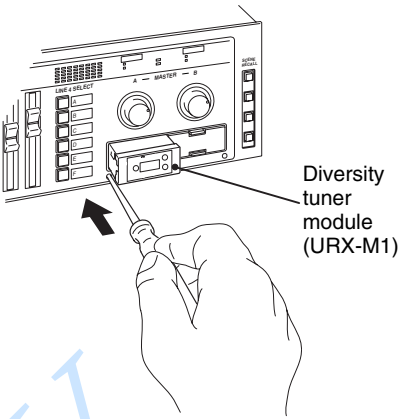
COPY

Installing a diversity tuner module (URX-M1) into an SRP-X700P Powered Mixer

The SRP-X700P Powered Mixer can accommodate up to 2 diversity tuner modules (URX-M1).

1 Remove the tuner slot cover from the SRP-X700P and inspect the top and bottom sides of the diversity tuner module. Then, holding the tuner module on both sides, insert it into the slot.





Removing the diversity tuner module (URX-M1)

Insert a screwdriver with a shaft diameter of between 2 to 4 mm and a shaft length of 30 mm or longer into the hole under the lower part of the tuner slot and remove the tuner module.

COPY

Setting the transmission channel

The procedure below is the same for all UWP series transmitters (UTX-B1/H1/P1).

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 (for U62, U66, CE62, and CE67 models) or the supplied leaflet "Sony Wireless Microphone System Frequency List" (for AU66 and CE67 models).

1 Turn on the transmitter while pressing down the SET button.

Keep pressing the SET button until the display section parameters that were displayed when the unit was last turned off start to flash.

2 Press the SET button repeatedly until the channel number (or frequency) indication appears.

3 Press the + or – button to select the channel number (or frequency).

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 (for U62, U66, CE62, and CE67 models) or the supplied leaflet "Sony Wireless Microphone System Frequency List" (for AU66 and CE67 models).
Pressing the – button cycles the indications in the opposite direction.
Hold down the + or – button to change the channel number (or frequency) faster.

Notes on the European model

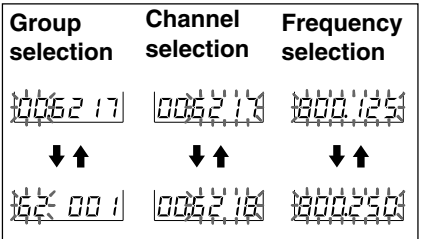
Select the group number before selecting the channel number as follows.

1) While the left two digits are flashing, select the group number by pressing the + or – button.

2) When the desired group number appears, press the SET button.

The right four digits start to flash to allow the selection of the channel number.

3) Select the channel number by pressing the + or – button.



Group, channel, and frequency selection examples for CE62 model are shown.

COPY

4 When the desired channel number (or frequency) appears, set the POWER switch to OFF to complete the setting, or press the SET button to set other items.

The results are stored in memory. The stored channel number (or frequency) will appear in the display section the next time you turn on the transmitter by setting the POWER switch to ON.

Notes

- When you are setting the transmission channel, the transmitter cannot be used to transmit signals.
- Do not remove the batteries while setting the transmission channel. If they are inadvertently removed, re-insert them immediately and redo the procedure "Setting the transmission 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 transmitter and then immediately turn it on right after setting the transmission channel, the unit may not operate normally. Wait a few seconds before turning it on again.

Setting the reception channel

The procedure below is the same for all UWP series tuners (URX-P1/R1/M1).

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 (for U62, U66, CE62, and CE67 models) or the supplied leaflet "Sony Wireless Microphone System Frequency List" (for AU66 and CE67 models).

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.

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 (for U62, U66, CE62, and CE67 models) or the supplied leaflet "Sony Wireless Microphone System Frequency List" (for AU66 and CE67 models).

COPY

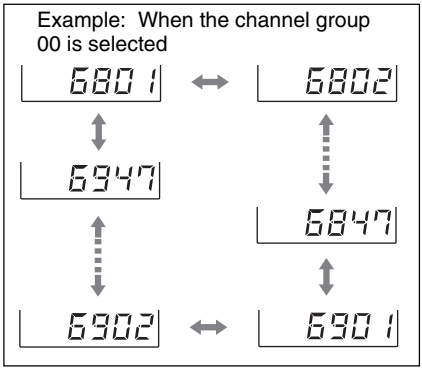
Pressing the – button cycles the indications in the opposite direction.
Hold down the + or – button to change the channel group faster.

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.

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 (for U62, U66, CE62, and CE67 models) or the supplied leaflet “Sony Wireless Microphone System Frequency List” (for AU66 and CE67 models).



6 When the desired channel number appears, leave the tuner for about 10 seconds until 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 seciton parameters start to flash.

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

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

4 When the desired frequency appears, leave the tuner for about 10 seconds until the selected channel frequency stops flashing and the selection is stored in memory.

Notes

- 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.

COPY

- 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.

Detecting and selecting the available channels automatically (diversity tuner module (URX-M1) only)

When multiple diversity tuner modules (URX-M1) are installed into the MB-806 to perform simultaneous multiple-channel operation, select the channel group on the tuner module installed into the slot 1 of the MB-806, then all the tuner mudules installed into the MB-806 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 1 of the MB-806.

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 1 of the MB-806.

All the tuner modules installed into the MB-806 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.

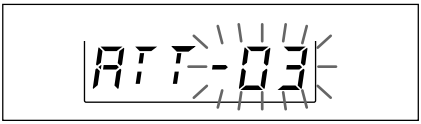
Setting the attenuation level of the audio input

The procedure below is the same for all UWP series transmitters (UTX-B1/H1/P1).

The attenuation level can be set during signal transmission.

1 **Do the following while there is no signal transmission.**
Turn on the transmitter while pressing down the SET button, and press the SET button repeatedly until the attenuation level indication appears in the display section.

COPY



Do the following while there is signal transmission.
Press the SET button repeatedly until the attenuation level indication appears in the display section.

2 Press the + or – button to select the attenuation level.

The selectable range is from 0 dB to 21 dB in steps of 3 dB (the factory setting is 0 dB).

3 **Do the following while there is no signal transmission.**
Set the POWER switch to OFF to complete the setting, or press the SET button to set other items.

The results are stored in memory. The change becomes effective the next time you turn on the transmitter by setting the POWER switch to ON.

Resetting the accumulated battery use time indication

The procedure below is the same for all UWP series transmitters (UTX-B1/H1/P1) and the portable diversity tuner (URX-P1).

The accumulated battery use time is the total time (in hours and minutes) that the batteries have been used. It is recorded whenever the transmitter/microphone/tuner is on.
Reset the indication to “00:00” whenever you replace the batteries.

1-a For transmitters (UTX-B1/H1/P1)
Turn on the unit while pressing down the SET button.

1-b For the portable diversity tuner (URX-P1)
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 accumulated time indication appears in the display section.

3 Press the – button.

The time indication resets to “00:00.”
While “00:00” is still displayed, you can return to previous value by pressing the + button.

4-a For transmitters (UTX-B1/H1)
Set the POWER switch to OFF to complete the setting, or press the SET button to set other items.

The results are stored in memory.

COPY

The change becomes effective the next time you turn on the unit by setting the POWER switch to ON.

4-b For the portable diversity tuner (URX-P1)

Leave the tuner for about 10 seconds until the time indication stops flashing and the setting is stored in memory.

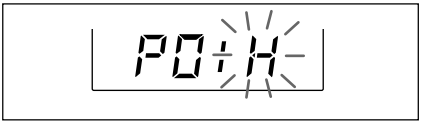
Setting the RF output level

The procedure below is the same for the body-pack transmitter (UTX-B1) and the hand-held microphone (UTX-H1).

You can select an RF output level of H (30 mW) or L (5 mW) in setting mode. Set the RF output level to L (5 mW) for simultaneous operation of multiple channels, and set it to H (30 mW) for long-distance operation.

1 Turn on the transmitter while pressing down the SET button.

2 Press the SET button repeatedly until the RF output level indication appears in the display section.



3 Press the + button to select H (30 mW), or press the – button to select L (5 mW).

4 Set the POWER switch to OFF to complete the setting, or press the SET button to set other items.

The results are stored in memory. The change becomes effective the next time you turn on the transmitter by setting the POWER switch to ON.

Setting the monitor level (portable diversity tuner (URX-P1) only)

You can set the monitor level for monitoring the tuner output within the range of 01 to 24.

1 While the parameters on the display section are not flashing, press the + or – button once.

The monitor level indication appears in the display section.

2 Press the + button to increase the monitor level, or press the – button to decrease the level.

When you leave the tuner for about two seconds or more, current monitor level setting is stored in memory and the normal display resumes. Note that monitor level setting is effective after you turn off the tuner, then turn it on again.

COPY

The procedure below is the same for all UWP series components (UTX-B1/H1/P1 and URX-P1/R1/M1).

1 Make all necessary connections on the tuner.

For examples of UWP series component connections, see "System Configurations" on page 54.

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

For details on setting the transmission channel, see "Setting the transmission channel" on page 47.

3 Turn on the tuner.

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

Note

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

4 Set the reception channel on the tuner.

For details on setting the reception channel, see "Setting the reception channel" on page 48.

5 Turn on the transmitter.

If noise is heard

Depending on the environment where the UWP series components are 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 indications do not appear in the display section or 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 simultaneously, set each series 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 simultaneously with the same channel group, make sure that they are at least 100 meters (330 feet) apart, but within clear sight of each other. (The actual distance may differ depending on the circumstances.)

COPY

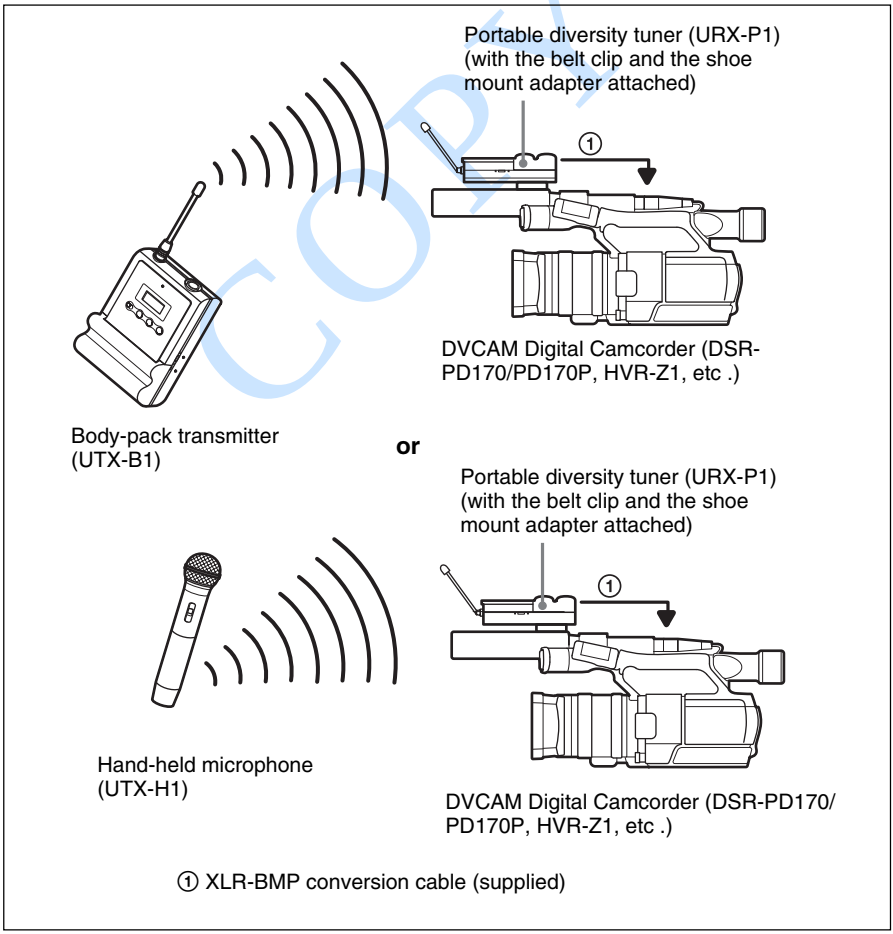
System Configurations

Note

Production of the peripheral and relating devices may have been discontinued. Upon selecting the devices to be used with this product, consult your nearest Sony representative or the dealer from whom you purchased the product.

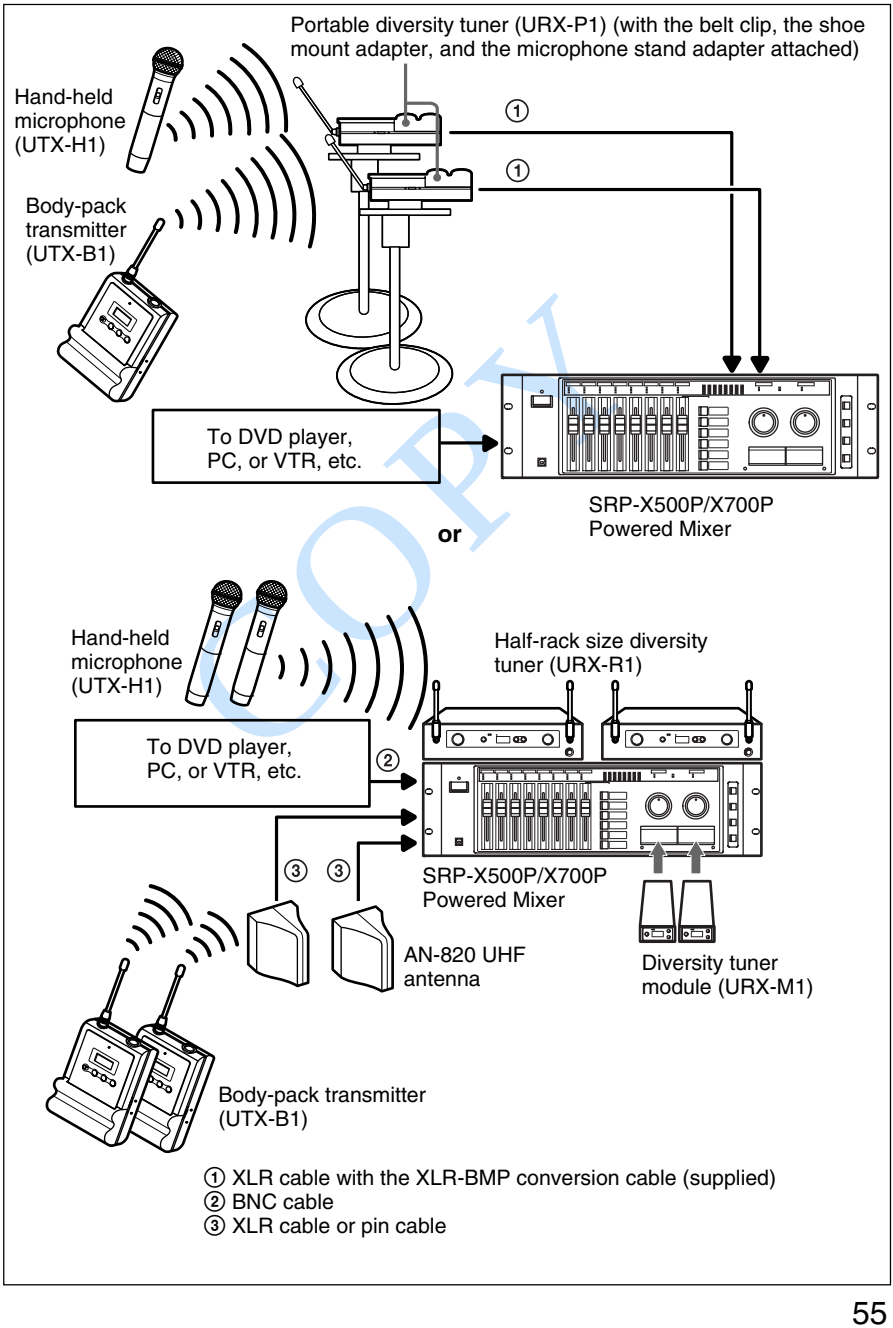
Configuration examples of the UWP-C1/C2/S1/S2/X1/X2

Sample configurations for ENG (Electronic News Gathering) or EFP (Electronic Field Production) with a digital camcorder



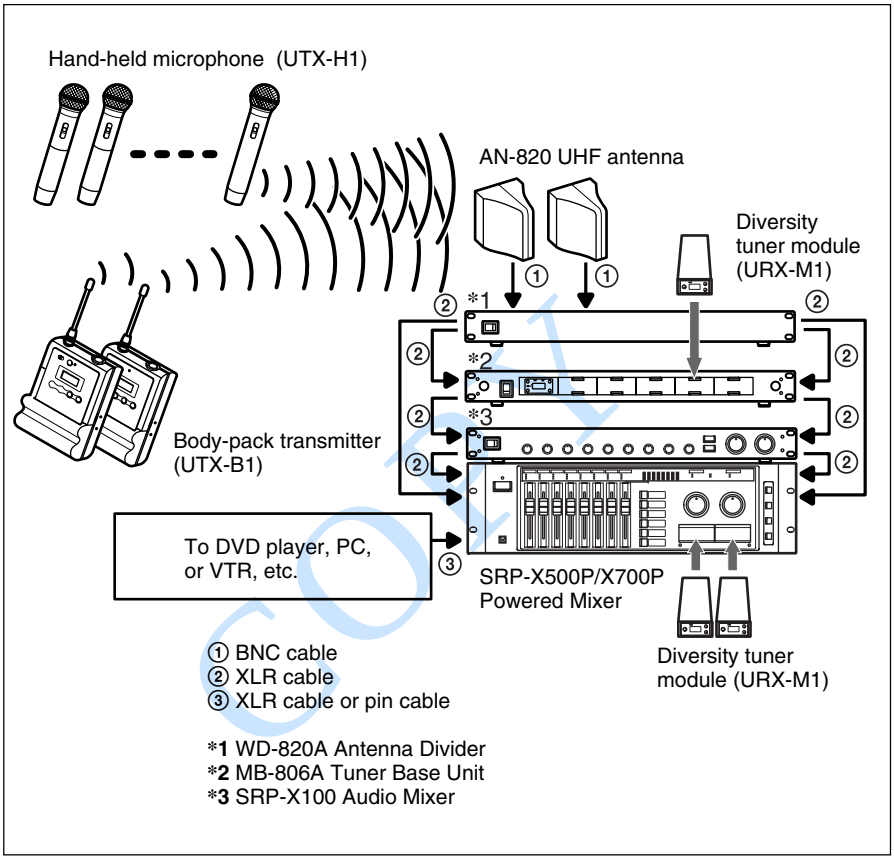
COPY

Sample configurations for AV presentations



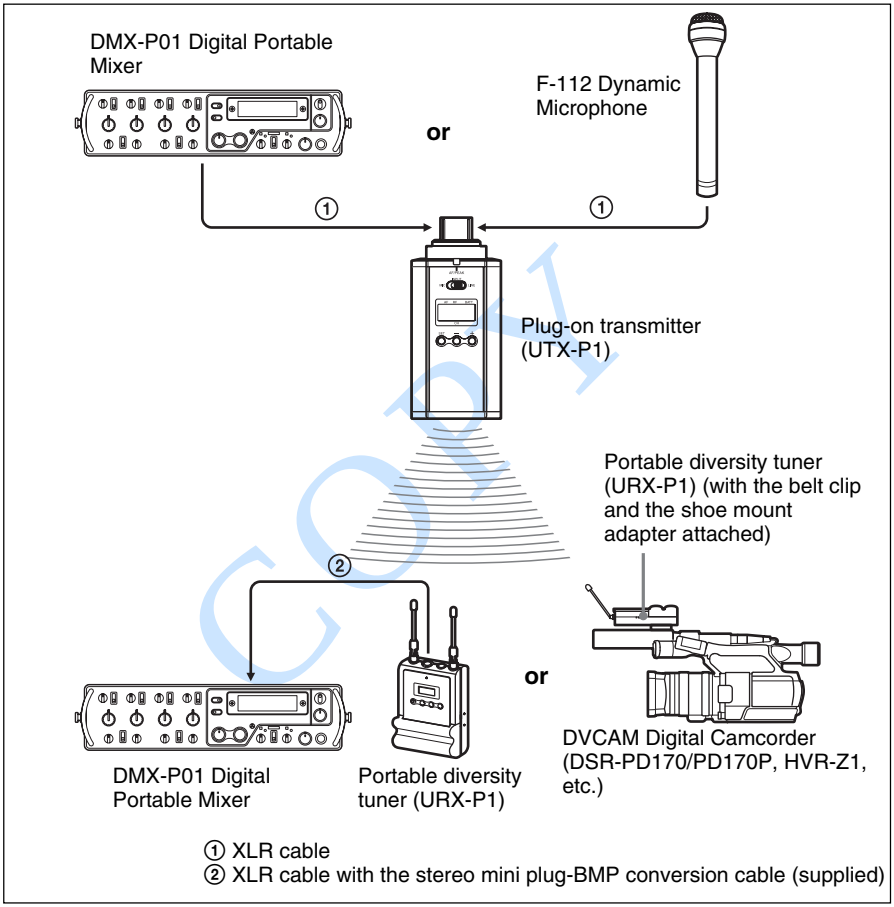
COPY

Sample configuration of a PA system



COPY

Configuration example of the UWP-C3



COPY

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.
Err 03*	The battery voltage exceeds the allowable limit.	Use the specified batteries.

* Body-pack transmitter (UTX-B1)/hand-held microphone (UTX-H1)/plug-on transmitter (UTX-P1)/portable diversity tuner (URX-P1) only.

COPY

Troubleshooting

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

Symptom	Meanings/Remedy
The unit does not turn on*.	The polarity orientation of the batteries in the battery compartment is incorrect. ➔ Insert the batteries with the correct polarity orientation.
	The batteries are exhausted. ➔ Replace the batteries with new ones.
	The battery terminals in the transmitter are dirty. ➔ Clean the + and – terminals with a cotton swab.
The batteries become drained quickly*.	The batteries are exhausted. ➔ Replace the batteries with new ones.
	Manganese batteries are being used. ➔ Use alkaline batteries. The battery life of a manganese battery is less than half that of an alkaline battery.
	The UWP series is being used under cold conditions. ➔ The batteries drain quickly under cold conditions.
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 indications (RF indicator) on the tuner do not appear at all (or does not turn on). ➔ Confirm that the transmitter is turned on.
The sound is weak.	The attenuation level on the transmitter is too high. ➔ The output 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.

* Body-pack transmitter (UTX-B1)/hand-held microphone (UTX-H1)/plug-on transmitter (UTX-P1)/portable diversity tuner (URX-P1) only.

COPY

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.
There is sound interruption or noise.	The RF indications on the tuner appear (the RF indicator lights up) even when the transmitter is off. ➔ Jamming radio waves are being received. Determine which channels are usable (i.e., channels for which the RF indications on the tuner do not appear (or for which the RF indicator on the tuner does not light up) and set the tuner and transmitter to the same usable channel. When two or more transmitters are used simultaneously, use another channel group that is unaffected by jamming radio waves.
	The transmitter and the tuner are set to different channels. ➔ Set the transmitter to the same channel.
	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 UWP series components use 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.

COPY

Specifications

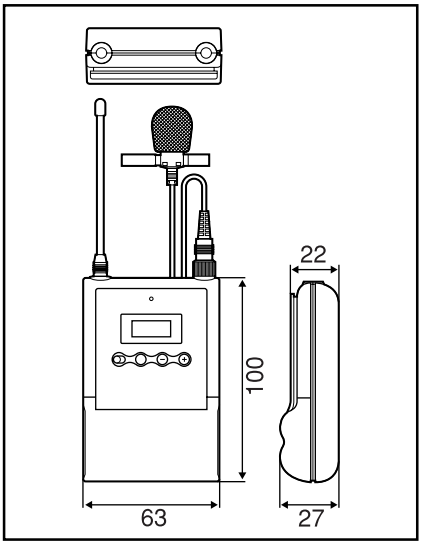
Transmitters (UTX-B1/H1/P1)

Items common to all transmitters

Oscillator type
Crystal-controlled PLL synthesizer
Carrier frequencies
Model available in USA: 758 to 806 MHz
Model available in Europe: 798 to 862 MHz
Model available in Australia: 792 to 806 MHz
Operating frequency band
Model available in USA and Europe: 24 MHz BW
Model available in Australia: 14 MHz BW
Pre-emphasis
50 µs
Frequency characteristics
50 Hz to 18 kHz
Signal-to-noise ratio
60 dB or more
Tone signal
32 kHz
Attenuation
0 to 21 dB, in 3-dB steps
Display Channel, frequency, audio level, RF level, accumulated battery use time
Power requirements
3.0 V DC (two LR6/AA-size alkaline batteries)
Battery life
Approx. 6 hours (measured with two Sony LR6/AA-size alkaline batteries at 25°C (77°F), with output power of 30 mW (UTX-B1/H1) or 50 mW (UTX-P1))

Body-pack transmitter (UTX-B1)

Antenna 1/4λ wave length wire
Audio input connector
3.5-mm dia. mini jack
Audio input level
–60 dBV to –39 dBV
RF output level
30 mW/5 mW selectable
Reference deviation
±5 kHz
Distortion
1.0% or less
Indicator Power on
Dimensions



COPY

63 × 100 × 27 mm (2 1/2 × 4 × 1 1/8 inches) (w/h/d) (excluding the antennas)

Mass Approx. 140 g (5 oz) including batteries

Hand-held microphone (UTX-H1)

Microphone unit
Dynamic

Directivity
Unidirectional

Antenna 1/4λ wave length wire (internal)

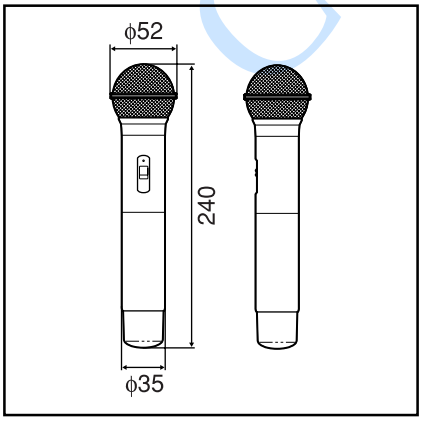
RF output level
30 mW/5 mW selectable

Reference deviation
±5 kHz

Distortion
1.0% or less

Indicator Power on

Dimensions



ϕ 52 × 240 mm (2 1/8 × 9 1/2 inches) (dia/length)

Mass Approx. 300 g (11 oz) including batteries

Plug-on transmitter (UTX-P1)

RF output level
50 mW

Reference deviation
±10 kHz

Maximum deviation
±40 kHz

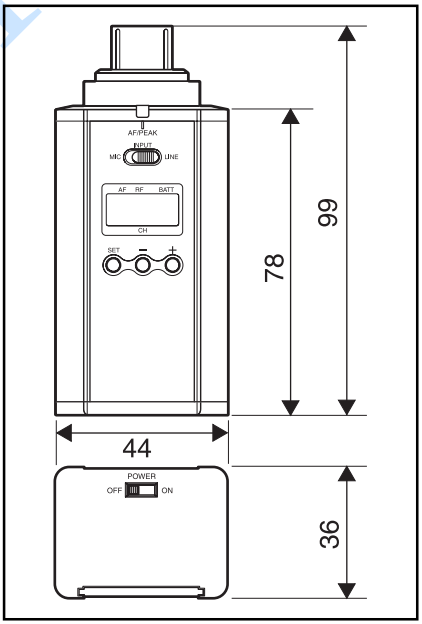
Distortion
1.0% or less at 1 kHz, –60 dBV (MIC INPUT)

Audio reference level
Mic: –60 dBV
Line: +4 dBu

Audio input connector
XLR-3-11type

Indicator AF/PEAK level

Dimensions



44 × 99 × 36 mm (1 3/4 × 4 × 1 7/16 inches) (w/h/d) (including the audio input connector)

Mass Approx. 185 g (6.5 oz) including batteries

COPY

Tuners (URX-P1/R1/M1)

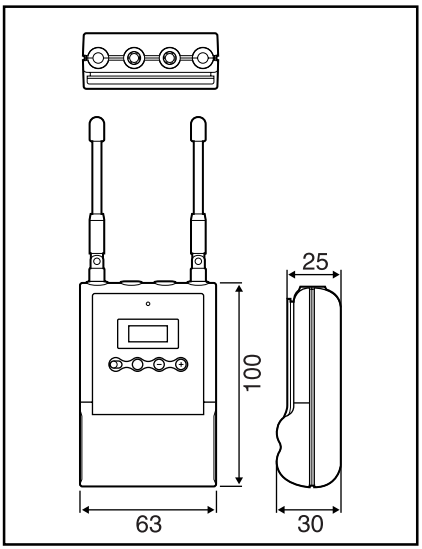
Items common to all tuners

Type of reception
Space diversity
Oscillator type
Crystal-controlled PLL synthesizer
Reception frequencies
Model available in USA: 758 to 806 MHz
Model available in Europe: 798 to 862 MHz
Model available in Australia: 792 to 806 MHz
Operating frequency band
Model available in USA and Europe: 24 MHz BW
Model available in Australia: 14 MHz BW
Signal-to-noise ratio
60 dB or more
De-emphasis
50 µs
Reference deviation
±5 kHz
Frequency characteristics
50 Hz to 18 kHz
Distortion
1.0% or less at 1 kHz modulation
Tone signal
32 kHz
Indicator RF input level

Portable diversity tuner (URX-P1)

Antenna 1/4λ wave length wire (adjustable angle)

Squelch level
15 dBµ
Audio output level
–58 dBm
Audio output connector
3.5 mm dia. mini jack
Headphones output level
5 mW (16Ω)
Display Channel, frequency, audio level, RF level, accumulated battery use time, monitor level
Power requirements
3.0 V DC (two LR6/AA-size alkaline batteries)
Battery life
Approx. 6 hours (measured with two Sony LR6/AA-size alkaline batteries at 25 °C (77°F))
Dimensions

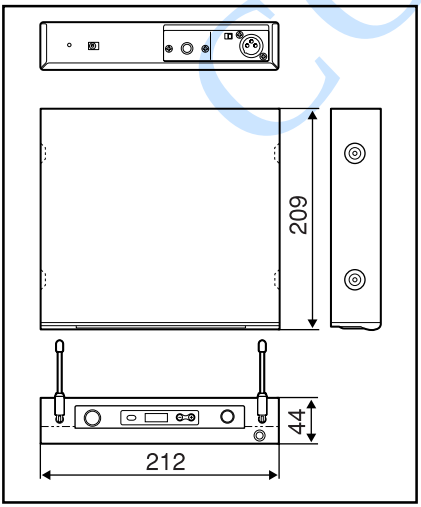


63 × 100 × 30 mm (2 1/2 × 4 × 1 3/16 inches) (w/h/d) (excluding the antennas)
Mass Approx. 180 g (6 oz) including batteries

COPY

Half-rack size diversity tuner (URX-R1)

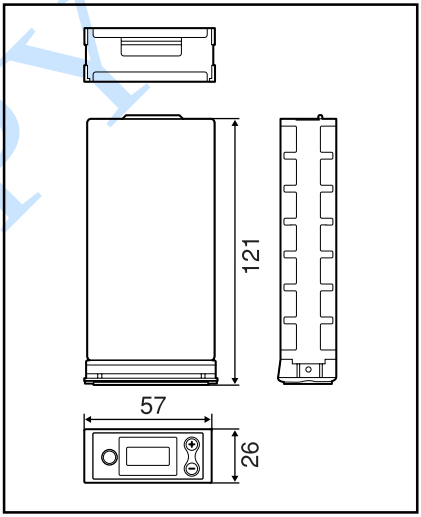
Antenna 1/4λ wave length wire (adjustable angle)
Squelch level
25 dBμ
Audio output level
–28 dBm (LINE level)/–58 dBm (MIC level) selectable
Audio output connectors
1/4-inch jack, unbalanced (LINE level only)
XLR-3-32 type, balanced
Headphones output level
5 mW (16Ω)
Display Channel, frequency
Power requirements
9.0 V DC
Dimensions



212 × 44 × 209 mm (8 3/8 × 1 3/4 × 8 1/4 inches) (w/h/d) (excluding the antennas)
Mass Approx. 1.3 kg (2 lb 14 oz)

Diversity tuner module (URX-M1)

Squelch level
25 dBμ
Display Channel, frequency
Dimensions



57 × 26 × 121 mm (2 1/4 × 1 1/16 × 4 7/8 inches) (w/h/d)
Mass Approx. 150 g (5 oz)

Design and specifications are subject to change without notice.

COPY

Sony Corporation
http://www.sony.net/