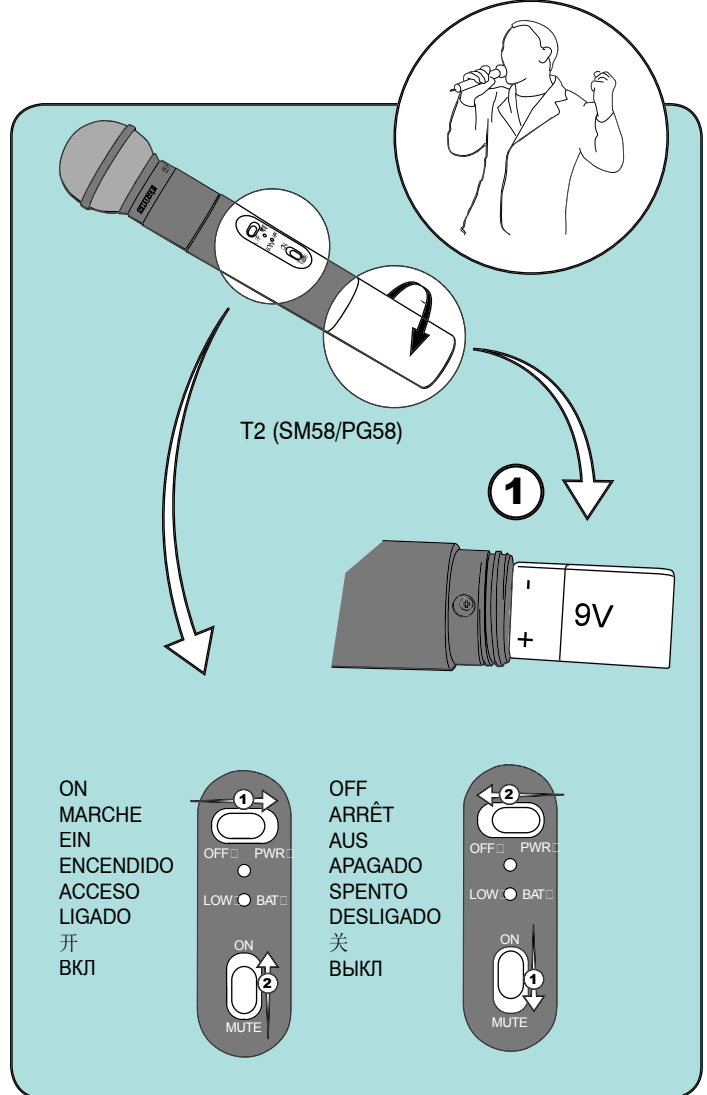
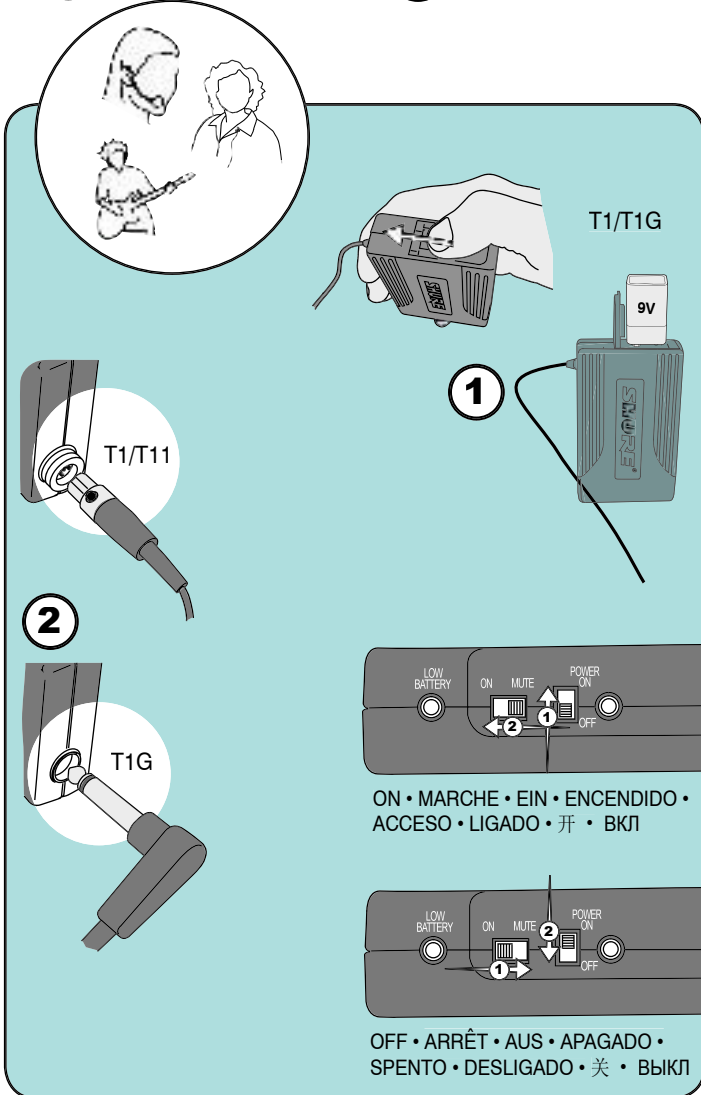
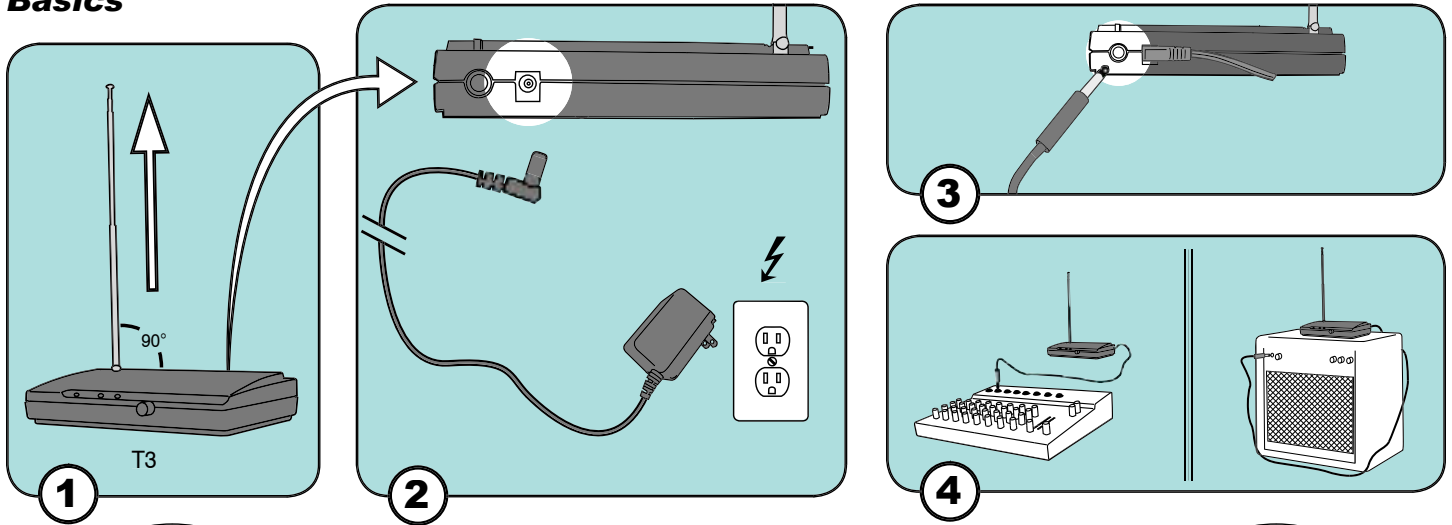



Basics

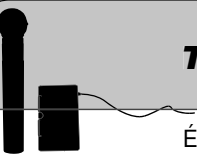


Receiver **2, 4, 9**



Récepteur • Empfänger • Receptor • Ricevitore • Receptor • 接收机 • Приемник

Transmitter **3-5**



Émetteur • Sender • Transmisor • Trasmittitore • Transmissor • 发射机 • Передатчик


The Vocal Artist **5**



The Headset **6**



The Presenter **7**



The Guitarist **8**

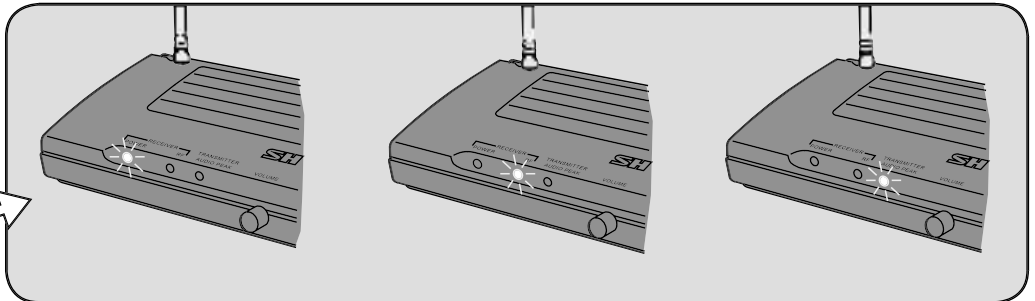
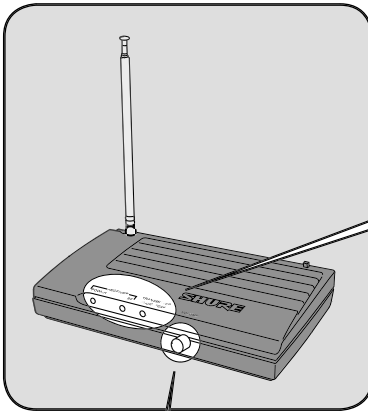


Troubleshooting, Replacement Parts, Specifications		10
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Störungssuche, Ersatzteile, technische Daten	18	故障排除, 替换件, 规格 34
Localización de averías, repuestos y especificaciones	22	Устранение неисправностей, запасные части, технические характеристики 38
Soluzione dei problemi, parti di ricambio, dati tecnici	26	



T3 Receiver

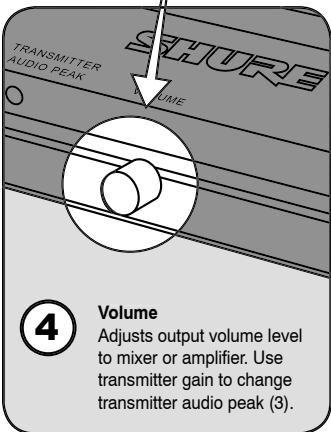
Récepteur T3 • T3 Empfänger • Receptor T3 • Ricevitore T3 • Receptor T3 • T3 接收机 • Приемник T3



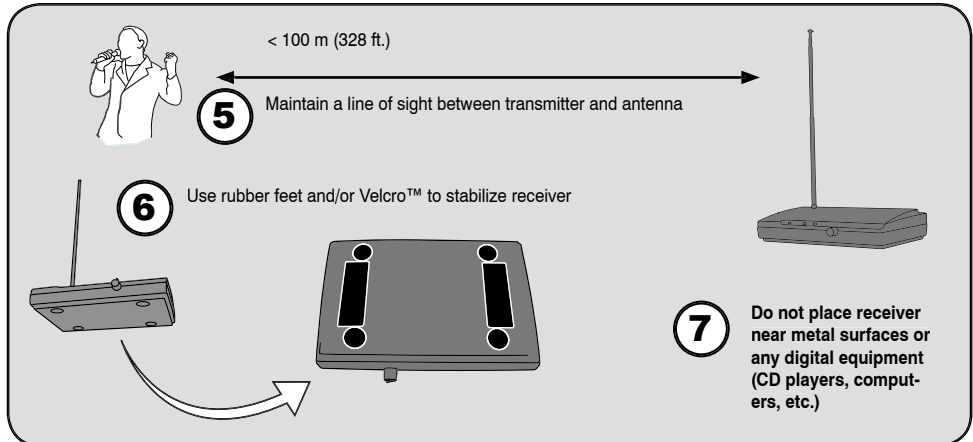
1 Power
Light glows when receiver is on

2 RF
Light glows when RF connection is established

3 Transmitter Audio Peak
Light flickers on at peak audio levels



4 Volume
Adjusts output volume level to mixer or amplifier. Use transmitter gain to change transmitter audio peak (3).



5 Maintain a line of sight between transmitter and antenna
< 100 m (328 ft.)

6 Use rubber feet and/or Velcro™ to stabilize receiver

7 Do not place receiver near metal surfaces or any digital equipment (CD players, computers, etc.)

- Power** (alimentation) - Le témoin s'allume lorsque le récepteur est en marche.
- RF** - Le témoin s'allume lorsque la liaison RF est établie.
- Transmitter Audio Peak** (clip audio de l'émetteur) - La DEL s'allume lorsque les niveaux audio dépassent le seuil de clip.
- Volume** - Permet de régler le niveau en entrée du mélangeur ou l'amplificateur. Utiliser le gain de l'émetteur pour régler le niveau audio transmis (3).
- Conservé une ligne de visée entre l'émetteur et l'antenne.
- Utiliser des supports en caoutchouc et du Velcro™ pour placer le récepteur.
- Ne pas placer le récepteur à proximité de surfaces métalliques ou de matériel numérique (lecteurs de CD, ordinateurs, etc.).

- Volume** (Volumen) - Ajusta el nivel del volumen de la señal enviada a un mezclador o amplificador. Utilice el control de ganancia del transmisor para cambiar los niveles pico de audio del transmisor (3).
- Mantenga una trayectoria visual entre el transmisor y la antena.
- Utilice patas de caucho y/o tiras de Velcro™ para estabilizar el receptor.
- No coloque el receptor cerca de superficies metálicas ni de equipos digitales (reproductores de CD, computadoras, etc.).

ou de quaisquer equipamentos digitais (CD players, computadores, etc.)

- Power** (电源) - 通电时电源指示灯亮着。
- RF** (射频) - 射频通讯接通时灯光亮着。
- Transmitter Audio Peak** (发射机音频峰值) - 音频达到峰值时灯光闪亮。
- Volume** (音量) - 调节输出到混频器或放大器的音量等级。通过调节发射机增益来改变发射机音频峰值 (3)。
- 发射机和天线必须相互在视线范围之内，中间不可有物件阻挡视线。
- 使用橡胶垫脚和 Velcro™ 尼龙粘连带使接收机保持稳定状态。
- 接收机放置地点不可靠近任何金属表面或数字式设备 (光盘播放机、电子计算机等)。

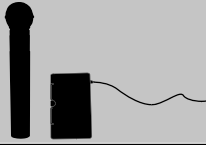
- Power** (Betrieb) - Lampe leuchtet auf, wenn Empfänger eingeschaltet ist.
- RF** (Hochfrequenz) - Lampe leuchtet auf, wenn Hochfrequenzverbindung hergestellt ist.
- Transmitter Audio Peak** (Sender-Audiospitzenwert) - Lampe leuchtet bei Audiospitzenpegeln flackernd auf.
- Volume** (Lautstärkepegel) - Zur Einstellung des Lautstärkepegels auf Mischpult oder Verstärker. Eingangsvorstärkungsregler (Gain) am Sender zum Ändern des Sender-Audiospitzenwerts (3) verwenden.
- Sichtverbindung zwischen Sender und Antenne aufrecht erhalten.
- Gummifüßchen und Velcro™ zur Stabilisierung des Empfängers verwenden.
- Empfänger nicht in der Nähe von Metallflächen oder anderen Digitalgeräten (CD-Player, Computer usw.) aufstellen.

- Power** (Alimentazione) - Il led si illumina in verde quando il ricevitore è acceso.
- RF** (radiofrequenza) - Il led si illumina quando la connessione RF è stabilita.
- Transmitter Audio Peak** (pico audio del trasmettitore) - Il led lampeggia quando l'audio raggiunge livelli di picco.
- Volume** - Questo controllo serve a regolare il volume del segnale applicato al mixer o all'amplificatore. Per regolare il picco audio del trasmettitore (3) regolate il guadagno di quest'ultimo.
- Mantenete una linea ottica fra il trasmettitore e l'antenna.
- Adoperate i piedini di gomma e le strisce in Velcro™ per rendere stabile il ricevitore.
- Non collocare il ricevitore vicino a superfici metalliche o apparecchi digitali (lettori CD, computer ecc.).

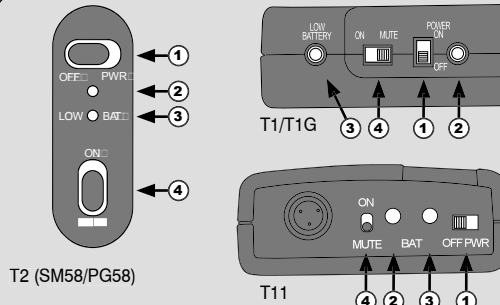
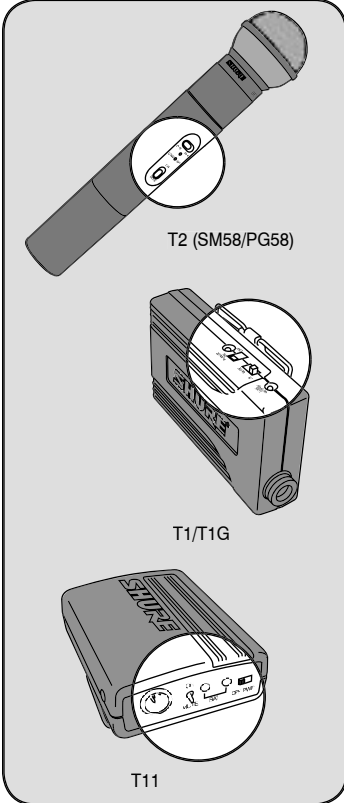
- Power** - Лампочка горит, когда приемник включен.
- RF** - Лампочка горит, когда установлена связь на радиочастоте.
- Transmitter Audio Peak** - Лампочка мигает при достижении максимального уровня звука.
- Volume** - Регулировка громкости звука, подаваемого на микшер или усилитель. Для изменения максимального уровня на передатчике (3) используйте усиление передатчика.
- Антенна должна находиться на линии прямой видимости от передатчика.
- Для придания устойчивости приемнику используйте резиновые ножки и Velcro™.
- Не следует располагать приемник вблизи металлических поверхностей или любого цифрового оборудования (проигрыватели компакт-дисков, компьютеры и т. п.).

- Power** (Alimentación) - La luz se ilumina cuando el receptor está encendido.
- RF** - La luz se ilumina cuando se establece una conexión de RF.
- Transmitter Audio Peak** (Picos de audio de transmisor) - La luz destella con los niveles máximos de la señal de audio.

- Power** (Alimentação) - A luz acende quando o receptor está ligado.
- RF** - A luz acende quando se completa a conexão de RF.
- Transmitter Audio Peak** (Pico de Áudio do Transmissor) - A luz pisca nos níveis de pico de áudio.
- Volume** - Ajusta o nível de volume do mixer ou do amplificador. Use o ganho do transmissor para alterar o pico de áudio do transmissor (3).
- Mantenha uma linha de visada entre o transmissor e a antena.
- Use pés adesivos e Velcro™ para estabilizar o receptor.
- Não coloque o receptor próximo de superfícies metálicas



T2 (SM58/PG58) • T1 • T1G • T11



1. Power on/off switch (to conserve battery, turn off when not in use)
2. Power on/off light
3. Low battery indicator
4. Mute switch

1. Interrupteur marche-arrêt (pour économiser la pile, mettre l'appareil hors tension lorsqu'il n'est pas utilisé)
2. Témoin marche-arrêt d'alimentation
3. Témoin de charge insuffisante de la pile
4. Interrupteur de coupure audio

1. An/Aus-Schalter (zur Schonung der Batterie ausschalten, wenn das Gerät nicht verwendet wird)
2. An/Aus-Anzeigeleuchte
3. „Batterie schwach“-Anzeiger
4. Stummschalter

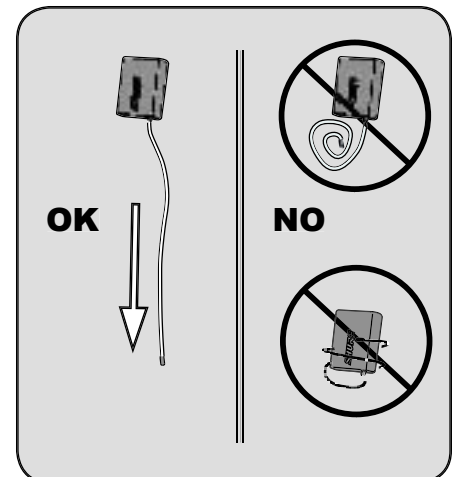
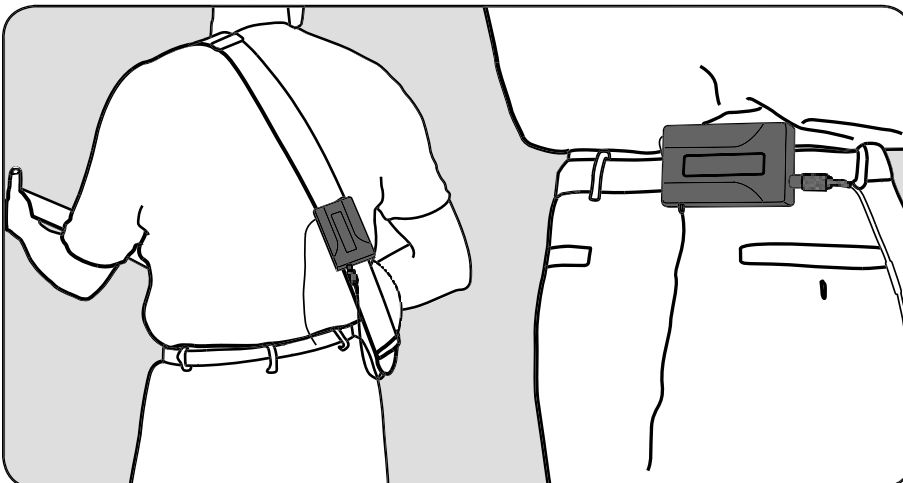
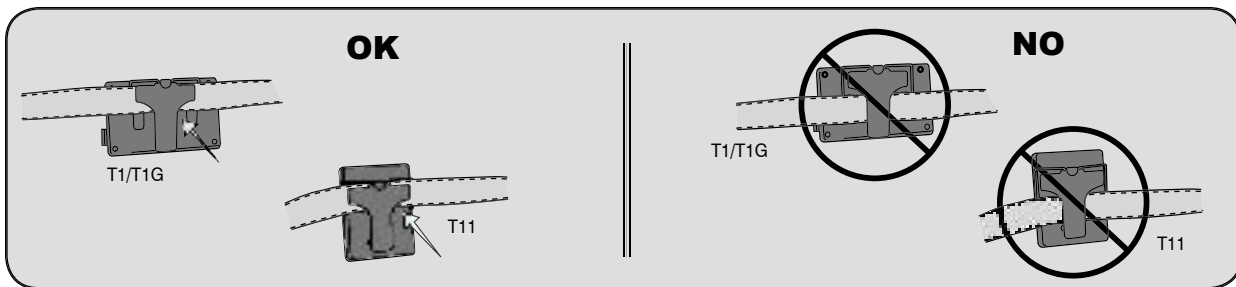
1. Interruptor de encendido (para conservar la carga de la pila, apáguelo cuando no está en uso)
2. Luz de alimentación
3. Indicador de descarga de pilas
4. Interruptor de silenciamiento

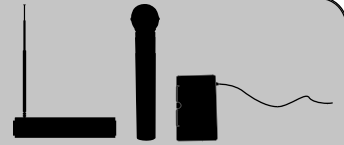
1. Interruttore di alimentazione (per ridurre il consumo della pila, portatelo sulla posizione OFF quando il trasmettitore non è in uso).
2. Led di alimentazione
3. Led di bassa carica della pila
4. Interruttore di mute

1. Tecla liga/desliga (para economizar bateria, desligue quando não estiver em uso)
2. Luz liga/desliga
3. Indicador de bateria fraca
4. Interruptor de mudo

1. 电源开关（不使用时应关闭，可节省电池电力）
2. 电源开关指示灯
3. 电池电力不足指示灯
4. 哑音开关

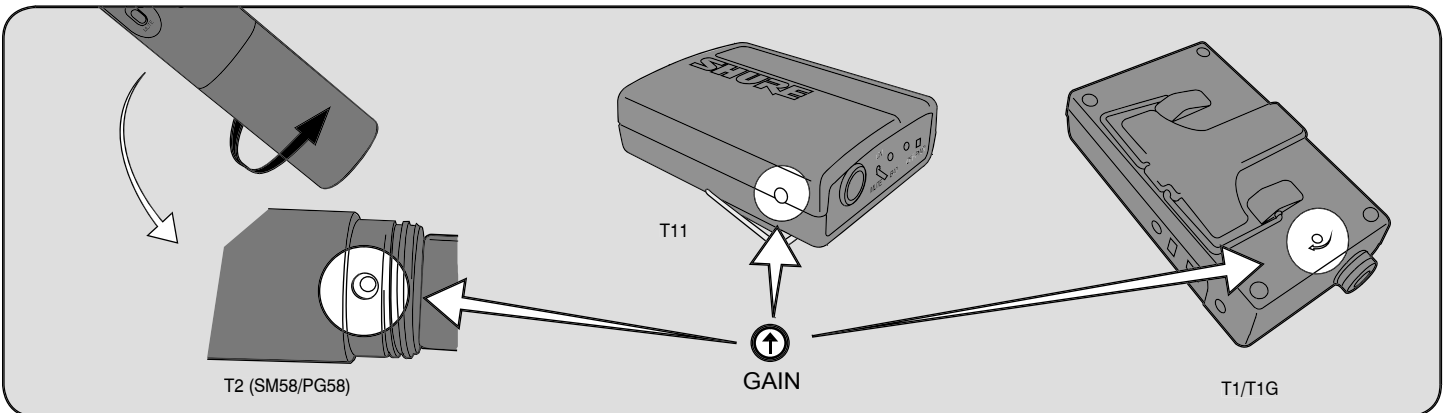
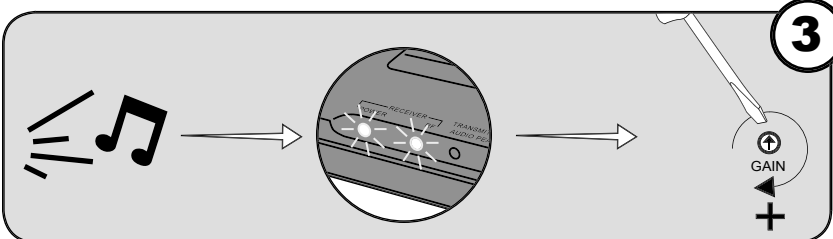
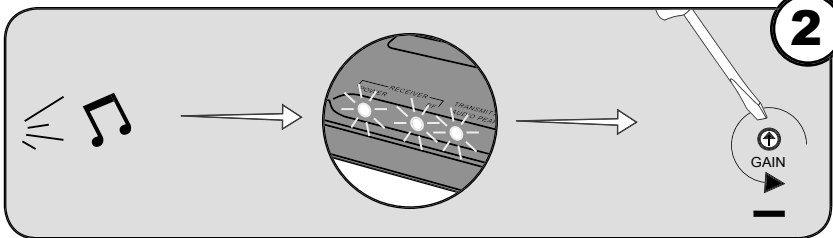
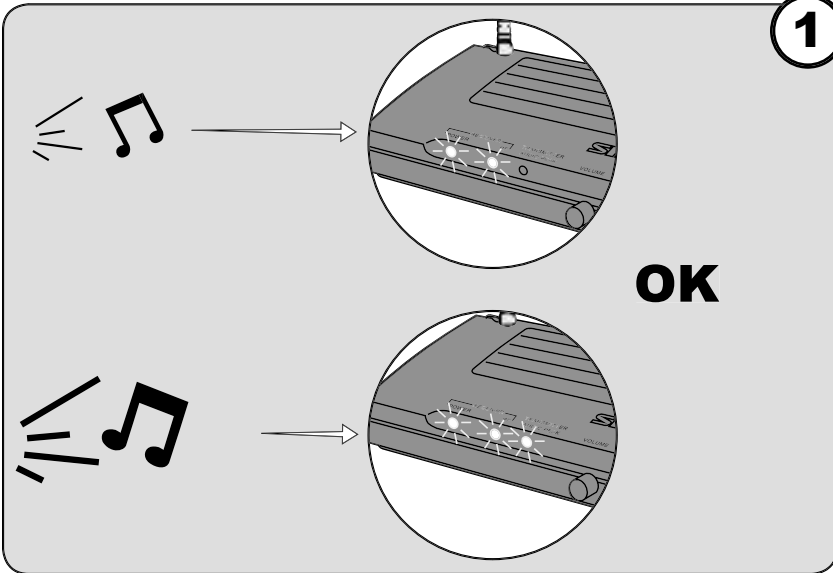
1. Выключатель питания (для сохранения заряда батареи выключайте прибор, когда он не используется)
2. Индикатор питания
3. Индикатор низкого заряда батареи
4. Выключатель звука





Transmitter Gain Adjustment

Réglage du gain de l'émetteur • Einstellung der Eingangsverstärkung (Gain) am Sender • Ajuste de ganancia del transmisor • Regol
 trasmettitore • Ajuste do ganho do transmissor • 发射机增益调节 • Регулировка усиления передатчика



1

1. Transmitter Peak light should flicker **on** when **loud sounds** are transmitted. 2. If light stays **on** when **quiet sounds** are transmitted, turn transmitter gain **down**. 3. If light stays **off** when **loud sounds** are transmitted, turn transmitter gain **up**. **Note: receiver volume does not affect transmitter peak light behavior.**

1. La DEL Transmitter Peak (clip audio de l'émetteur) doit s'illuminer lorsque des **sons puissants** sont transmis. 2. Si elle reste **allumée** lorsque des **sons faibles** sont transmis, **réduire** le niveau de gain de l'émetteur. 3. Si elle reste **éteinte** lorsque des **sons puissants** sont transmis, **augmenter** le niveau de gain de l'émetteur. **Remarque : le volume du récepteur n'affecte pas le comportement de la DEL de clip audio de l'émetteur.**

1. Die Senderaudiospitzenwert-Lampe sollte flackernd **aufleuchten**, wenn **laute Töne** gesendet werden. 2. Wenn die Lampe weiterhin **aufleuchtet**, wenn **leise Töne** gesendet werden, die Eingangsverstärkung am Sender **verringern**. 3. Wenn die Lampe nicht **aufleuchtet**, wenn **laute Töne** gesendet werden, die Eingangsverstärkung am Sender **erhöhen**. **Hinweis: Der Lautstärkepegel am Empfänger wirkt sich nicht auf das Ansprechen der Sender-Audiospitzenwert-Lampe aus.**

1. La luz de **picos del transmisor** deberá destellar cuando se transmiten **sonidos intensos**. 2. Si la luz permanece **encendida** cuando se transmiten **sonidos suaves**, **reducir** la ganancia del transmisor. 3. Si la luz permanece **apagada** cuando se transmiten **sonidos intensos**, **aumentar** la ganancia del transmisor. **Nota: El ajuste de volumen del receptor no afecta la respuesta de la luz de picos del transmisor.**

1. Il led Transmitter Peak deve lampeggiare quando vengono trasmessi suoni alti. 2. Se il led rimane **acceso** durante la trasmissione di **suoni bassi**, **riducete il guadagno del trasmettitore**. 3. Se il led rimane **spento** durante la trasmissione di **suoni bassi**, **aumentate il guadagno del trasmettitore**. **Nota: il volume del ricevitore non ha effetto sullo stato del led Transmitter Peak.**

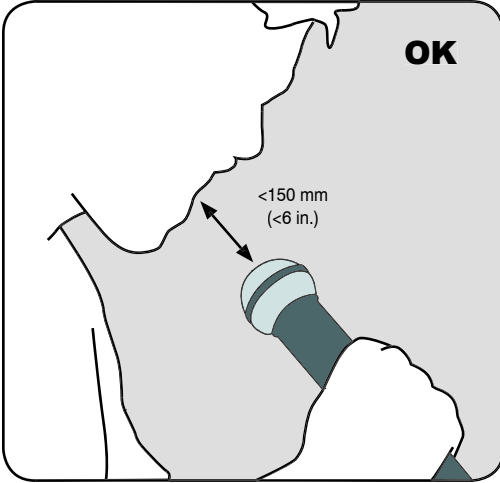
1. A luz de Pico do Transmissor deve ficar ligada e piscar quando forem transmitidos **sons altos**. 2. Se a luz permanecer **ligada** quando forem transmitidos sons baixos, **diminua** o ganho do transmissor. 3. Se a luz permanecer **desligada** quando forem transmitidos sons baixos, **aumente** o ganho do transmissor. **Observação: o volume do receptor não afeta o comportamento a luz de pico do transmissor.**

1. 发射机输出响亮的声音时，发射机声频峰值指示灯会闪亮。2. 发射机输出轻微的声音时，如果指示灯始终亮着，应调低发射机增益。3. 发射机输出响亮的声音时，如果指示灯始终不亮，应调高发射机增益。注意：接收机音量调节不影响发射机声频峰值指示灯的反应。

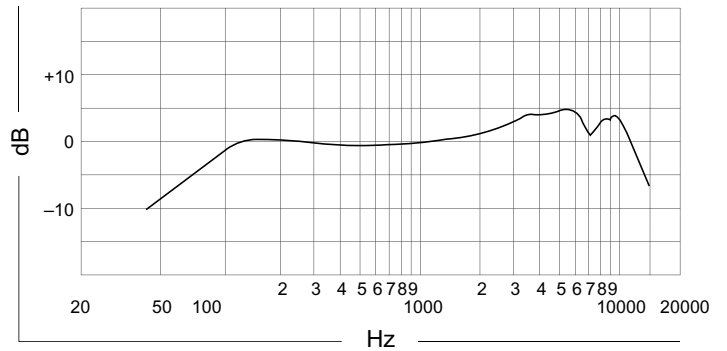
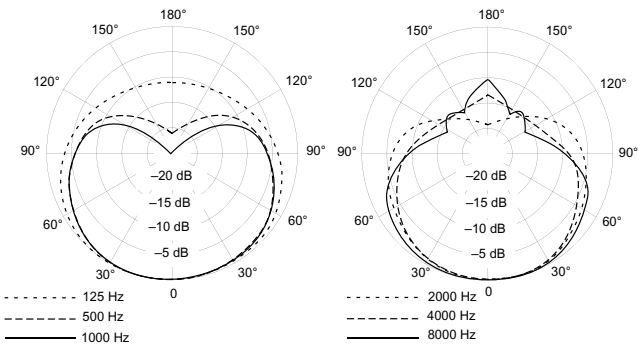
1. При передаче звука высокой громкости лампочка Transmitter Peak должна мигать. 2. Если при передаче звука низкой громкости лампочка горит постоянно, уменьшите усиление передатчика. 3. Если при передаче звука высокой громкости лампочка не горит, увеличьте усиление передатчика. Примечание. Регулировка громкости на приемнике не влияет на работу лампочки индикации максимального уровня передатчика.



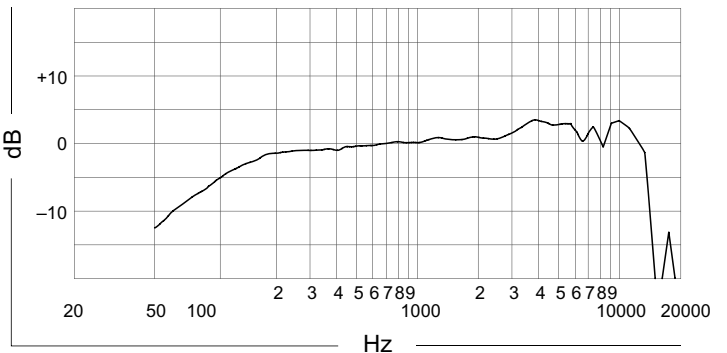
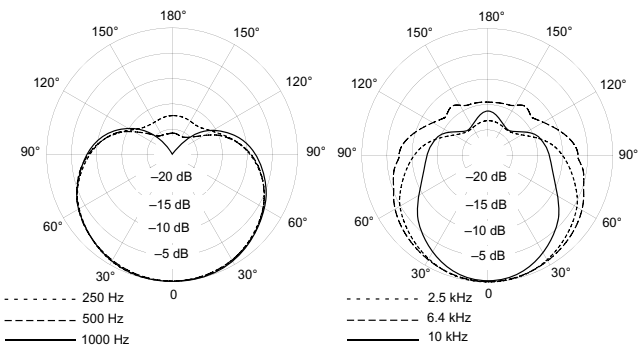
The Vocal Artist



SM58

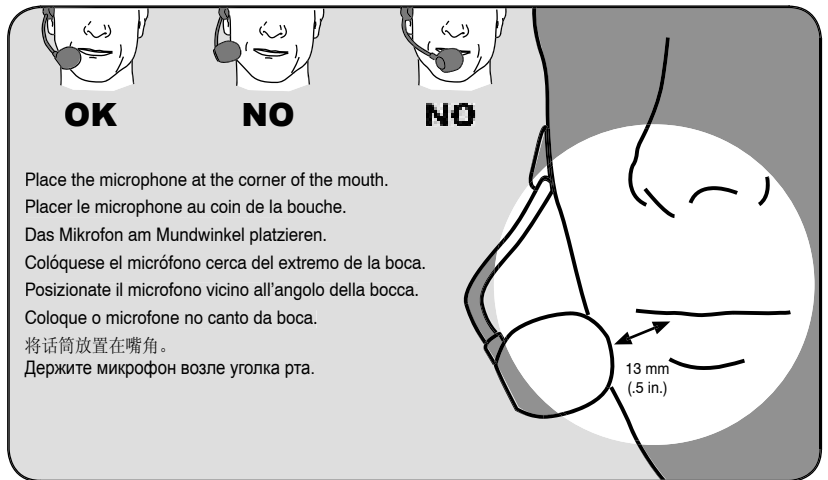
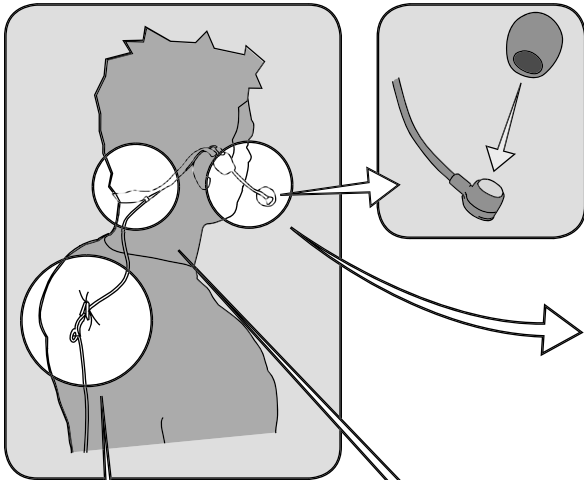


PG58





The Headset



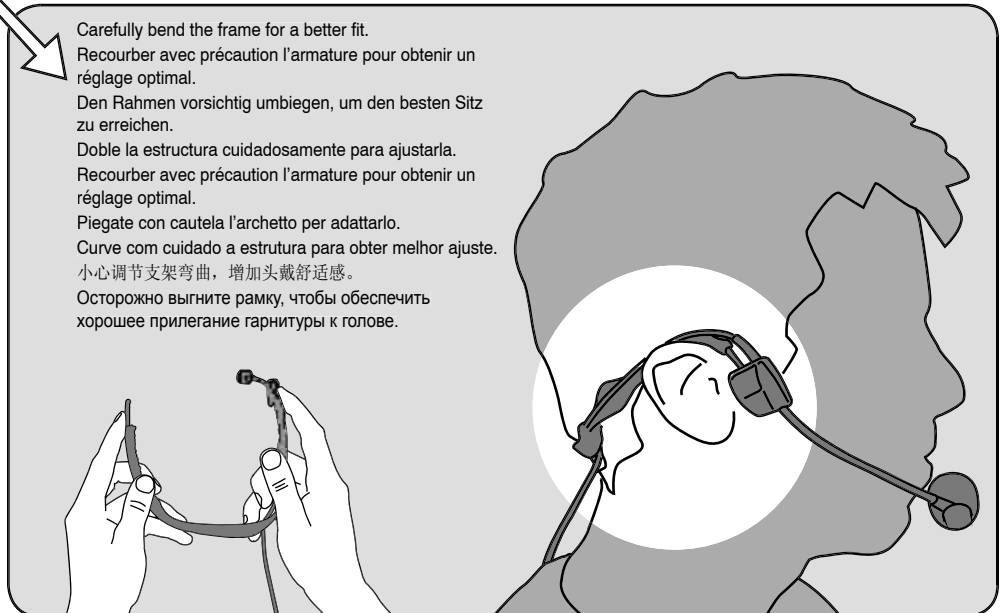
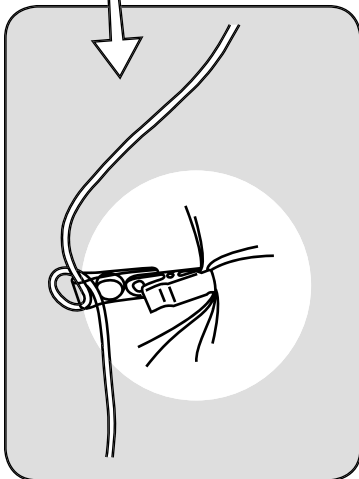
OK

NO

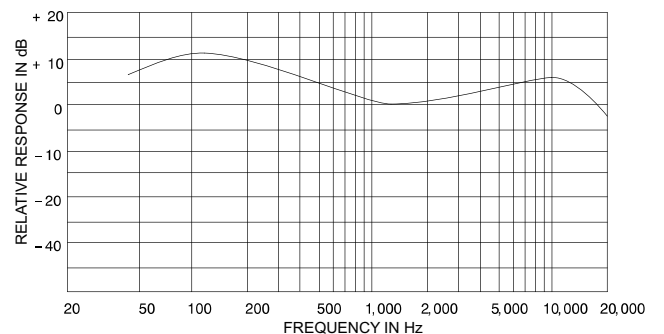
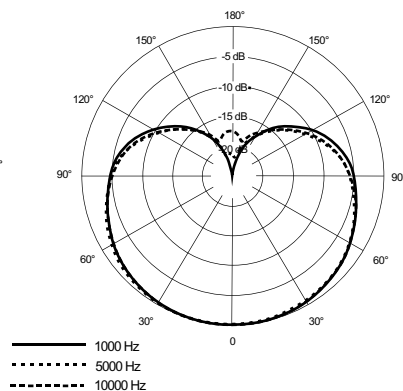
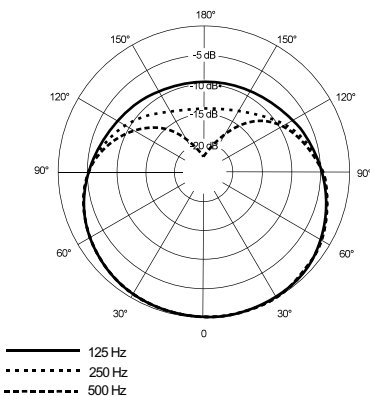
NO

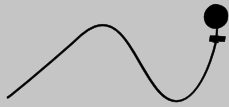
Place the microphone at the corner of the mouth.
 Placer le microphone au coin de la bouche.
 Das Mikrofon am Mundwinkel platzieren.
 Colóquese el micrófono cerca del extremo de la boca.
 Posizionate il microfono vicino all'angolo della bocca.
 Coloque o microfone no canto da boca.
 将话筒放置在嘴角。
 Держите микрофон возле уголка рта.

13 mm
(.5 in.)

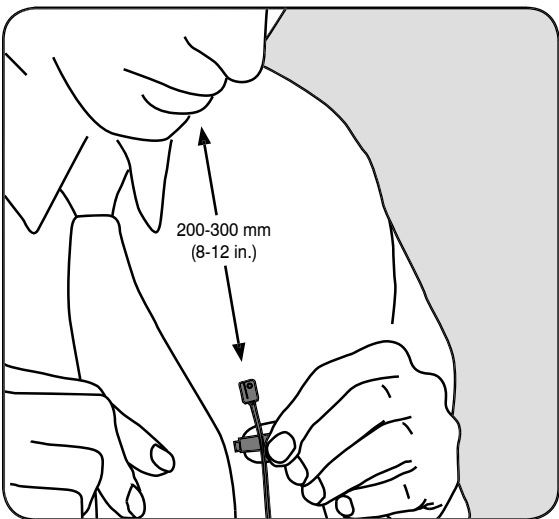
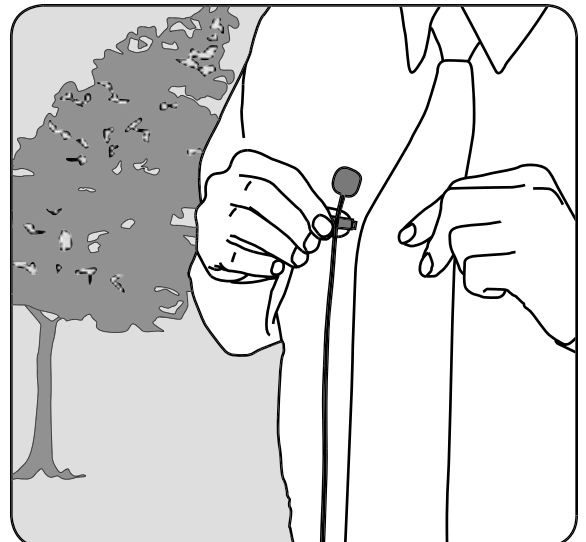
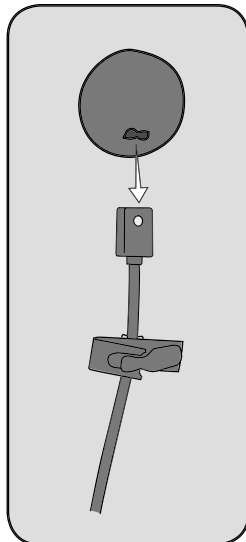
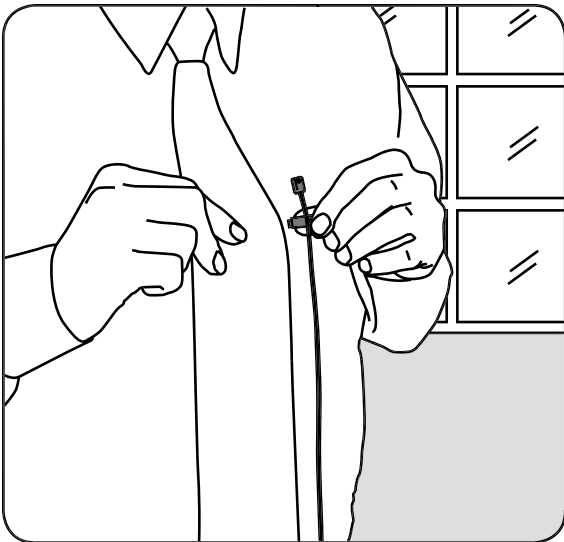
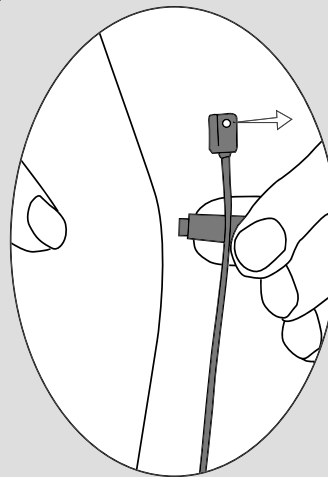


Carefully bend the frame for a better fit.
 Recourber avec précaution l'armature pour obtenir un réglage optimal.
 Den Rahmen vorsichtig umbiegen, um den besten Sitz zu erreichen.
 Doble la estructura cuidadosamente para ajustarla.
 Recourber avec précaution l'armature pour obtenir un réglage optimal.
 Piegate con cautela l'archetto per adattarlo.
 Curve com cuidado a estrutura para obter melhor ajuste.
 小心调节支架弯曲，增加头戴舒适度。
 Осторожно выгните рамку, чтобы обеспечить хорошее прилегание гарнитуры к голове.





The Presenter

Be sure the microphone diaphragm is pointing outwards.

S'assurer que le diaphragme du microphone est orienté vers l'extérieur.

Sicherstellen, dass die Mikrofonmembran nach außen weist.

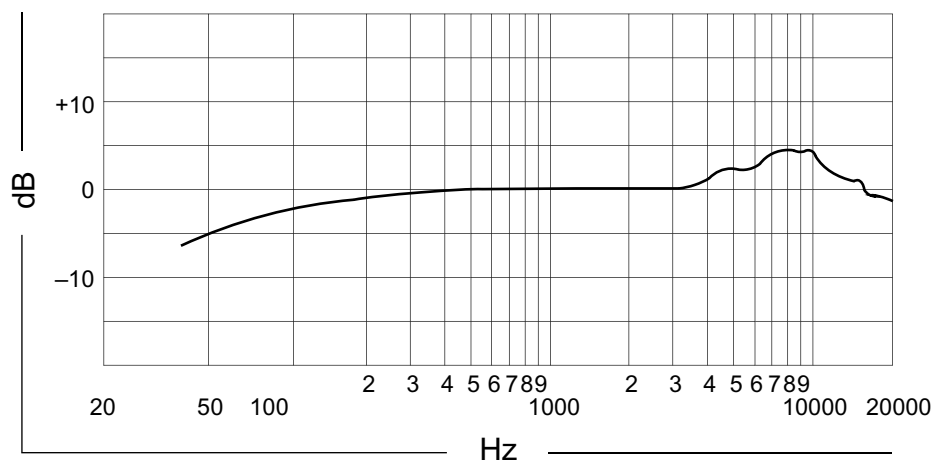
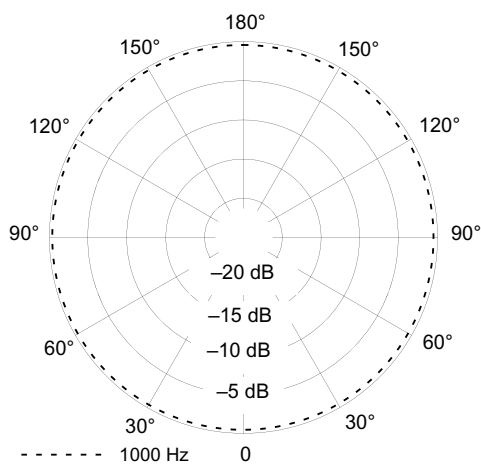
Verifique que el diafragma del micrófono está orientado hacia afuera.

Accertatevi che il diaframma del microfono sia rivolto verso l'esterno.

Assegure-se de que o diafragma do microfone esteja voltado para fora.

话筒的膜片必须朝外。

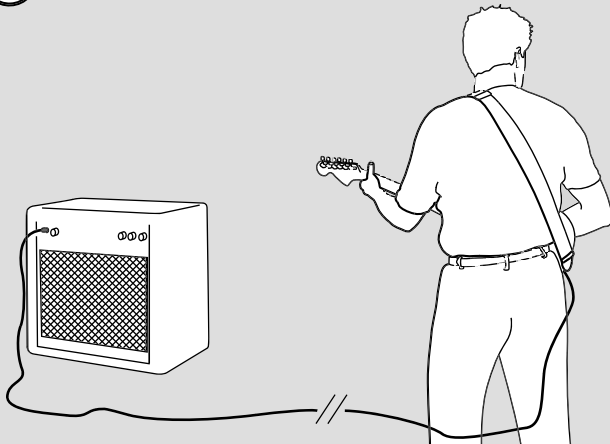
Убедитесь в том, что диафрагма микрофона ориентирована наружу.





The Guitarist

1



Using a cable, set tone and volume for both the amplifier and the instrument.

À l'aide d'un câble, régler la tonalité et le volume sur l'amplificateur et sur l'instrument.

Mit Hilfe eines Kabels Klang und Lautstärkepegel sowohl für den Verstärker als auch das Instrument einstellen.

Utilice un cable para ajustar los controles de tono y de volumen del amplificador y del instrumento.

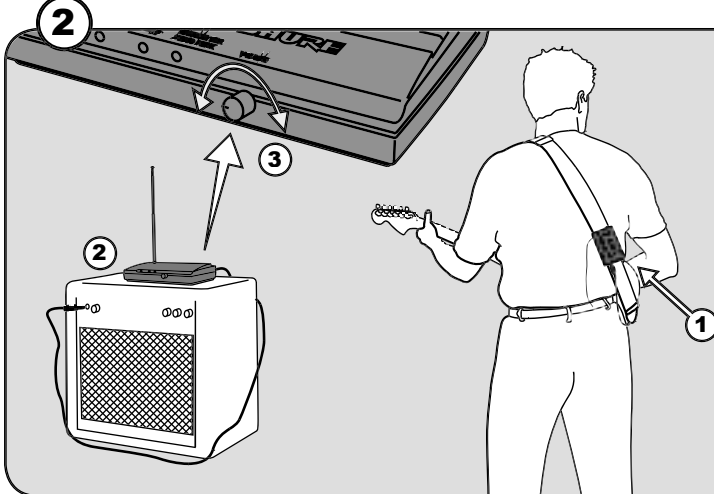
Regolate il tono e il volume dell'amplificatore e dello strumento collegandoli con un cavo.

Usando um cabo, ajuste o volume e o tom do amplificador e do instrumento.

连接电缆，设定放大器和乐器的音调及音量。

Подсоединив кабель, установите тембр и громкость на усилителе и на инструменте.

2



Adjust receiver volume until it matches the level achieved while using a cable.

Régler le volume du récepteur jusqu'à ce qu'il corresponde au niveau obtenu en utilisant un câble.

Den Lautstärkepegel am Empfänger einstellen, bis er dem erreichten Pegel bei Verwendung eines Kabels entspricht.

Ajuste el volumen del receptor hasta que sea similar al nivel obtenido con un cable.

Regolate il volume del ricevitore finché non corrisponde al livello ottenuto con il cavo.

Ajuste o volume do receptor até que coincida com o nível atingido quando um cabo é usado.

调节接收机的音量，使其达到利用电缆调音时所设定的声级。

Отрегулируйте громкость на приемнике так, чтобы она соответствовала громкости, полученной при использовании кабеля.

Note: Different instruments have different sound levels. If you switch instruments, or if you hear unwanted signal distortion, you may need to adjust transmitter gain.

Remarque : Les instruments ont des niveaux sonores différents. En cas de changement d'instrument ou de perception d'une distorsion de signal indésirable, il se peut que le niveau de gain de l'émetteur doive être réajusté.

Hinweis: Verschiedene Instrumente weisen verschiedene Schallpegel auf. Wenn das Instrument gewechselt wird oder unerwünschte Signalverzerrung hörbar ist, muss eventuell die Eingangsverstärkung am Sender eingestellt werden.

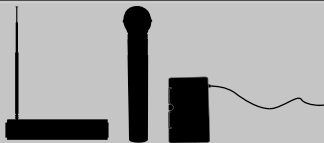
Nota: Diferentes instrumentos tienen diferentes niveles de intensidad de sonido. Si se cambia de instrumentos, o si se escucha una distorsión no deseada de la señal, puede ser necesario ajustar la ganancia del transmisor.

Nota: Il livello del suono cambia da uno strumento all'altro. Se si cambia strumento o se il segnale risulta distorto, può essere necessario regolare il guadagno del trasmettitore.

Observação: Instrumentos diferentes têm níveis diferentes de som. Se mudar de instrumentos ou ouvir uma distorção indesejável do sinal, talvez seja necessário ajustar o ganho do transmissor.

注意: 不同的乐器有不同的声级。如果您掉换乐器，或听到杂音或信号失真，则可能需要调节发射机增益。

Примечание. Различные инструменты имеют различные уровни звука. При смене инструмента или при возникновении нежелательного искажения звука может потребоваться регулировка усиления передатчика.



Squelch Adjustment

Réglage d'accord silencieux • Rauschsperrereinstellung • Ajuste del Supresor de Ruido • Regolazione dello squelch •
Ajuste do Supresor de Ruído • 静噪调节 • Регулировка подавления шумов

The factory preset level will ordinarily not need to be changed.

Le niveau pré-réglé en usine n'a d'ordinaire pas besoin d'être modifié.

Der werkseitig voreingestellte Pegel muss normalerweise nicht verändert werden.

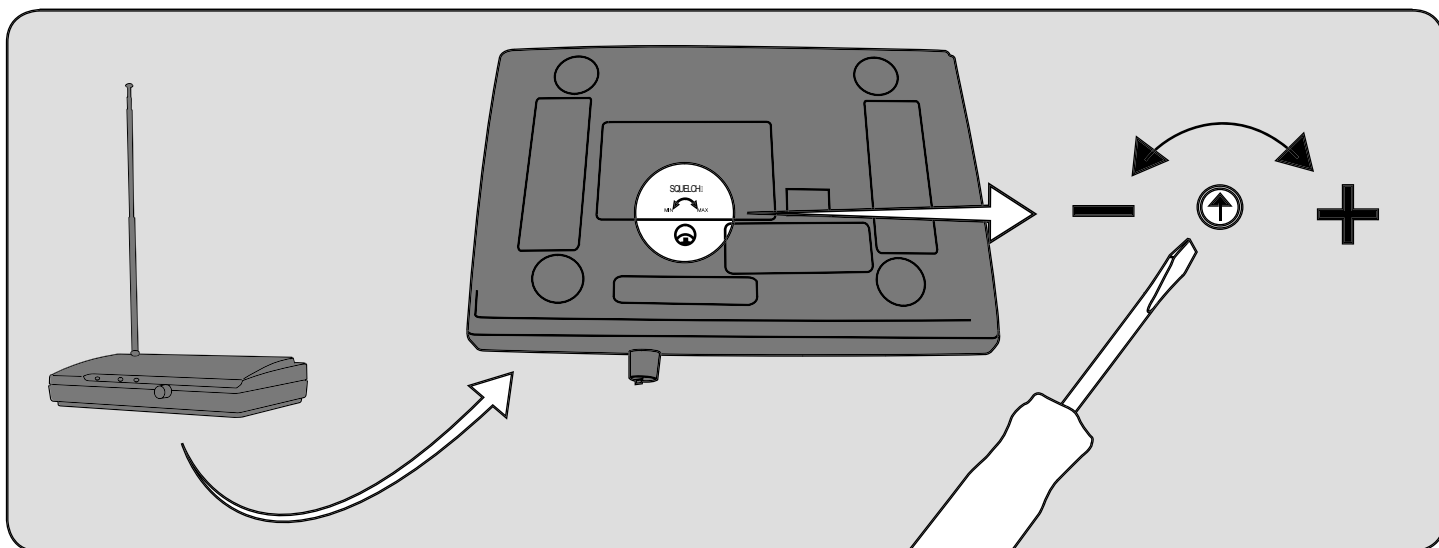
Normalmente no es necesario cambiar el nivel predeterminado en fábrica.

In genere non occorre modificare il livello preimpostato in fabbrica.

O nível pré-ajustado de fábrica normalmente não precisará ser alterado.

通常不需要改变工厂预设值。

Как правило, установленный на заводе уровень изменять не требуется.



Decreases noise at low volume.
Operating range may decrease.

Permet de réduire les parasites lorsque le volume est faible.
La plage de fonctionnement peut diminuer.

Verringert Rauschen bei geringem Lautstärkepegel.
Arbeitsbereich wird eventuell verkleinert.

Reduce el ruido a niveles bajos de volumen.
El alcance de funcionamiento puede verse reducido.

Riduce il rumore a livelli moderati.
La portata di funzionamento può diminuire.

Diminui o ruído em volume baixo.
O alcance operacional pode diminuir.

减少低音量时噪声。
工作范围可能会缩小。

При низкой громкости звука шум уменьшается.
Рабочий диапазон может уменьшиться.



Increases operating range.
Noise levels may increase.

Permet d'augmenter la plage de fonctionnement.
Les niveaux de parasites peuvent augmenter.

Vergrößert Arbeitsbereich.
Rauschpegel nehmen eventuell zu.

Aumenta el alcance de funcionamiento.
Los niveles de ruido pueden aumentar.

Aumenta la portata di funzionamento.
I livelli del rumore possono aumentare.

Aumenta o alcance operacional.
Os níveis de ruído podem aumentar.

扩大工作范围。
噪声强度可能会增大。

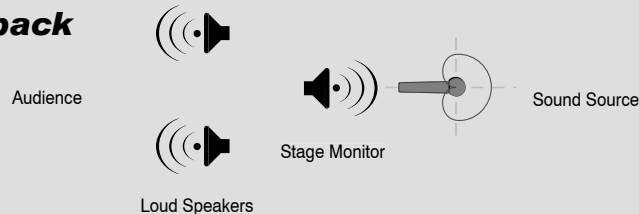
Рабочий диапазон увеличивается.
Уровень шума может увеличиться.



Troubleshooting

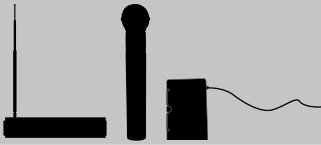
No sound or faint sound	<ul style="list-style-type: none"> Slide transmitter POWER switch to ON. Make sure battery is inserted properly (+/- battery terminals must match transmitter terminals). Insert fresh battery. 	<ul style="list-style-type: none"> Make sure AC adapter is securely plugged into electrical outlet and into DC input connector on rear panel of receiver. Make sure AC electrical outlet works and supplies proper voltage. 	<ul style="list-style-type: none"> Slide transmitter MUTE switch to ON. Increase transmitter gain until Transmitter Audio Peak light flashes on loud peaks. Turn up receiver volume control as necessary. 	<ul style="list-style-type: none"> Extend receiver antenna vertically. Move receiver away from metal objects. Maintain line of sight between transmitter and receiver. Move transmitter closer to receiver. Check that receiver and transmitter are using the same frequency. 	<ul style="list-style-type: none"> Turn up receiver volume control. Check cable connection between receiver and amplifier or mixer. 	<ul style="list-style-type: none"> Replace transmitter battery.
Distortion or unwanted noise bursts	<ul style="list-style-type: none"> Remove or turn off nearby sources of RF (such as other wireless systems, CB radios, CD players, computers, digital effects, etc.). 		<ul style="list-style-type: none"> Remove or turn off nearby sources of RF (such as other wireless systems, CB radios, CD players, computers, digital effects, etc.). Use a wireless system that operates on a different frequency. 		<ul style="list-style-type: none"> Reduce transmitter gain. 	<ul style="list-style-type: none"> Replace transmitter battery.
Signal loss as transmitter moves around performing area	<ul style="list-style-type: none"> Reposition receiver and perform walk-through test. If audio dropouts persist, locate "dead" spots and avoid them during perform □ □ 					
Sound level different from cabled guitar or microphone, or when using different guitars	<ul style="list-style-type: none"> Adjust transmitter gain and receiver volume as necessary. 					

Avoiding Feedback



How to avoid feedback

1. Position the front of the microphone as close as possible to the sound source.
2. Keep the microphone as far away as possible from loudspeakers.
3. Point the microphone away from loudspeakers and stage monitors.



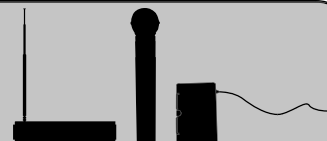
Replacement Parts and Accessories

Replacement Parts		Vocal Artist	Headset (T1G)	Headset (T11)	Presenter	Guitarist (T1G)	Guitarist (T11)
Receiver	T3	●	●	●	●	●	●
AC Adapter		●	●	●	●	●	●
120VAC, 60Hz	PS20	○	○	○	○	○	○
230 VAC, 50/60 Hz, Europlug	PS20E	○	○	○	○	○	○
230 VAC, 50/60 Hz, UK	PS20UK	○	○	○	○	○	○
T2 Handheld Transmitter		●					
SM58 Version	T2/58	○					
PG58 Version	T2/PG58	○					
SM58 Cardioid Wireless Head	R158	○					
PG58 Cardioid Wireless Head	RPW108	○					
Body Pack Transmitter							
Mini (TA4F) Input	T1				●		
1/4" Input	T1G		●			●	
European	T11			●			●
Headset with Dynamic Microphone							
1/4" Plug	WH20QTR		●				
Mini Connector	WH20TQG			●			
Croakies Headband	RK319		●	●			
Croakies Headband and Wire Frame	RPM600		●	●			
Microphone and Boom Assembly							
1/4" Plug	RPM100		●				
Mini Connector	RPM102			●			
Omnidirectional Micro-Lavalier Microphone	WL93				●		
Furnished Accessories		Vocal Artist	Headset (T1G)	Headset (T11)	Presenter	Guitarist (T1G)	Guitarist (T11)
Gain Adjustment Screwdriver	65A1659	●	●	●	●	●	●
Plastic Carrying Case	WA600	●	●	●	●	●	●
Microphone Clip	WA371	●					
Foam Windscreens (2) and Clothing Clip	RK318WS		●	●			
Single-Mount Tie Clip (2 with reorder)	RK354SB				●		
Black Windscreen (4 with reorder)	RK355WS				●		
Sew-In Mounting Block (4 with reorder)	65B1733				●		
Guitar Cable							
1/4" to 1/4"	WA303					● (2)	●
1/4" to Mini Connector (TA4F)	WA302						●
Optional Accessories		Vocal Artist	Headset (T1G)	Headset (T11)	Presenter	Guitarist (T1G)	Guitarist (T11)
1.8 Meter (6ft) Receiver-Mixer Cable	WA410	○	○	○	○	○	○
Amp/Powered Mixer Stand	WA595	○	○	○	○	○	○
Anti-Roll Device	A1K	○					
Grip/Switch Cover	WA555	○					
Windscreen (6 Colors Available)	A58WS Series	○					
BETA 58 Supercardioid Wireless Head	R179	○					
Neoprene Belt Pouch	WA570A		○	○	○	○	○
In-Line Audio Switch	WA360			○	○		○
Omnidirectional Micro-Lavalier Microphone							
Black	WL93			○			○
Tan	WL93T			○	○		○
Supercardioid Lavalier Microphone	WL184			○	○		○
Cardioid Lavalier Microphone	WL185			○	○		○
Headset with Dynamic Microphone							
1/4" Plug	WH20QTR					○	
Mini Connector	WH20TQG				○		○
Headset with Condenser Microphone	WH30TQG			○	○		○
Clip-On Instrument Microphone	WB98H/C			○	○		○
Guitar Cable							
1/4" to 1/4"	WA303					● (2)	●
1/4" to Mini Connector (TA4F)	WA302						●

● = Included

○ = Optional

For information or to place an order, call the Shure Service Department at 800-516-2525, or visit the Shure website <http://www.shure.com>.



System and Component Specifications

RF Carrier Frequency Range

169.445 to 240.000 MHz (Available frequencies depend on applicable regulations in country where system is used).

Operating Range: 100 m (328 ft.) under typical conditions

Audio Frequency Response: 50 to 15,000 Hz, ± 3 dB

Image Rejection: 60 dB typical

Spurious Rejection: > 60 dB typical

System Distortion (ref. ± 15 kHz deviation, 1 kHz modulation): 0.1% THD typical

Signal/Noise Ratio: 101 dB

Sensitivity: -109 dBm for 12 dB SINAD typical

Operating Temperature Range:

-18° to 57° C (0° to 135° F) **NOTE:** Battery characteristics may limit this range.

Battery Life: 18 hours with 9 V alkaline battery (Duracell MN1604 recommended).

T1, T1G AND T11 BODYPACK TRANSMITTER	
RF Output	50 mW typical (T1, T1G); 20 mW typical (T11)
Input Configuration	Unbalanced
Connector Type	1/4 Inch (T1G); 4-pin Miniature Connector (male) (T1, T11)
Actual Impedance	1 M Ω
Maximum Recommended Input Level*	+3 dBV
Minimum Recommended Input Level**	-80 dBV
Connector Pin Assignments (T1, T11)	Pin 1: Tied to Ground Pin 2: Tied to +5 V Pin 3: Tied to Audio Pin 4: Tied to 20k Ω Resistor and Audio Ground
Connector Pin Assignments (T1G)	Sleeve: Tied to Ground Tip: Tied to Audio
Dimensions (T1, T1G)	64 mm H x 106 mm W x 24 mm D (2.52" H x 4.17" W x 0.95" D)
Dimensions (T11)	83 mm H x 64 mm W x 26 mm D (3.27" H x 2.50" W x 1.03" D)
Net Weight (T1, T1G)	96.4 g (3.4 oz.)
Net Weight (T11)	79.4 g (2.8 oz.)
Power Requirements	9 V alkaline battery (Duracell MN1604 recommended); 8.4 V NiCd battery optional.
Nominal Current Drain	30 mA

* Gain Control at minimum

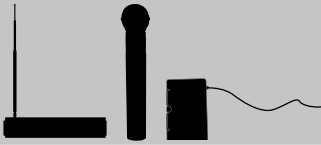
** Gain Control at maximum

T2 HAND-HELD TRANSMITTER

	T2/58(SM58 [®])	T2/(PG58 [™])
RF Output	50 mW Typical (FCC); 20 mW Typical (ETSI)	
Dimensions	236 mm H x 51 mm D (9.29" H x 2.01" D)	222 mm H x 51 mm D (8.74" H x 2.01" D)
Net Weight	295 g (10.4 oz.)	266 g (9.4 oz.)
Power Requirement	9 V alkaline battery (Duracell MN1604 recommended); 8.4 V NiCd battery optional.	
Nominal Current Drain	30 mA	30 mA

T3 RECEIVER

Connector	1/4" Phone Jack
Maximum Output Levels	-6.8 dBV
Nominal Output Levels	-32 dBV
Output Configuration	Unbalanced
Actual Impedance	1 K Ω
Connector Pin Assignments	Tip: hot; Sleeve: ground
Dimensions	35 mm H x 152 mm W x 98 mm D (1.38"H x 5.98" W x 3.85" D)
Net Weight	192 g (6.8 oz.)
Power Requirements	12-18 VDC nominal, 200mA
Power Supply	120 V or 230V AC adaptor with 2.1 mm female plug
Voltage/Current/Phantom Power Protection	Yes



Certification and Warranty

CERTIFICATION

T1G, T1: Accepted under FCC Parts 74 and 90. Certified by IC in Canada under TRC-78.

T11: Conforms to European Union directives, eligible to bear CE marking; meets European Union Requirements. Type Approval: pr I-ETS 300 422, BZT 17 TR 2019, and BAPT 122 R 1. Meets Requirements of EMC Standard 301-489-1 and -9

T2/PG58, T2/58: Type Accepted under FCC Parts 74 and 90. Certified by IC in Canada under TRC-78. Conforms to European Union directives, eligible to bear CE marking; meets European Union Requirements. Type Approval: pr I-ETS 300 422, BZT 17 TR 2019, and BAPT 122 R 1. Meets Requirements of EMC Standard 301-489-1 and -9

T3: Approved under the Notification provision of FCC Part 15. Certified by IC in Canada under TRC-78.

T11 and T2 Transmitters meet the essential requirements of the European R&TTE Directive 99/5/EC and are eligible to carry the CE marking. **CE** 0682 ①

T3 Receiver meets the essential requirements of the European R&TTE Directive 99/5/EC and are eligible to carry the CE marking. **CE**

Power supply meets the following safety standard:

PS20 Power Supply: UL 1310, CAN/CSA 22.2 No. 223.

PS20E Power Supply: EN 60065/09.93.

PS20UK Power Supply: EN 60065 5th, 1985.

Frequency Range of Apparatus: 169 MHz-250 MHz

Licensing: A ministerial license to operate this equipment may be required in certain areas. Consult your national authority for possible requirements.

European countries: Shure Transmitters Models T11 and T2 may be used in the countries and frequency ranges listed in the table at the end of this document.

THIS RADIO EQUIPMENT IS INTENDED FOR USE IN MUSICAL PROFESSIONAL ENTERTAINMENT AND SIMILAR APPLICATIONS.

NOTE: This Radio apparatus may be capable of operating on some frequencies not authorized in your region. Please contact your national authority to obtain information on authorized frequencies for wireless microphone products in your region.

WARRANTY INFORMATION

Shure Incorporated ("Shure") hereby warrants that these products will be free from defects in material and workmanship for a period of two years from the date of purchase. At its option, Shure will repair or replace the defective product and promptly return it to you. You should retain proof of purchase to validate the purchase date and return it with any warranty claim. If you believe this product is defective within the warranty period, carefully repack the unit, insure it, and return it postpaid to:

Shure Incorporated
Attention: Service Department
222 Hartrey Avenue
Evanston, IL 60202-5730 U.S.A.

Customers outside the U.S.A. should ship the product to the authorized Shure Distribution Center in their region.

DECLARATION OF CONFORMITY

We of

Shure Incorporated
222 Hartrey Ave.
Evanston IL 60202-3696 U.S.A.
847-866-2200

declare under our sole responsibility that the following products,

Model: T3 Name: T3 Receiver

were tested and found to comply 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.

Testing was completed by the following NVLAP or A2LA accredited laboratory:

Cetekom ICT Services GmbH
Untertürkheimer Str. 6-10
66117 Saarbrücken
Allemagne
Téléphone : +49 681 598 - 9000
Télécopieur : +49 681 598 - 9075

Shure Inc., Manufacturer.

Signed:

Date: June 15, 1999

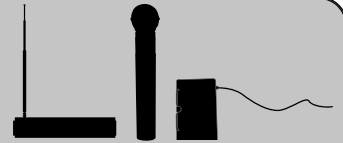
Name, Title: Craig Kozokar, Senior Quality Engineer

Additional Information for this Shure Wireless System

This Shure wireless transmitter is accepted under FCC Part 74 and/or Part 90.

IMPORTANT: Licensing of Shure wireless microphone equipment is the user's responsibility, and licensability depends on the user's classification and application, and on the selected frequency. Shure urges the user to consult the appropriate telecommunications authority before choosing and ordering frequencies.

Changes or modifications not expressly approved by Shure Inc. could void your authority to operate this equipment.



Countries and Frequencies

Shure Transmitters Models T11 and T2 may be used in the countries and frequency ranges listed below.

Les modèles d'émetteurs Shure T11 et T2 peuvent être utilisés dans les pays et aux gammes de fréquences indiqués ci-dessous.

Die Shure Sendermodelle T11 und T2 können in den nachfolgend aufgeführten Ländern und mit den entsprechenden Frequenzbereichen verwendet werden.

Los transmisores T11 y T2 de Shure pueden usarse en los países y con las frecuencias que se indican a continuación.

I trasmettitori Shure modelli T11 e T2 possono essere utilizzati nei Paesi e alle frequenze elencati di seguito.

Os Transmissores Modelos T11 e T2 da Shure podem ser usados nos países e nas faixas de frequência listadas abaixo.

Country Code • Code de Pays • Lander-Kurzel • Codigo de Pais • Codice del Paese	T11, T2 (169 - 250 MHz)
A	230 - 250 MHz*
B	174 - 223 MHz*
CH	174 - 223 MHz*
D	174 - 223 MHz*
E	174 - 223 MHz*
F	174 - 223 MHz*
GB	174 - 223 MHz*
GR	*
I	174 - 223 MHz*
IRL	*
L	*
NL	174 - 223 MHz*
P	174 - 223 MHz*
DK	*
FIN	174 - 223 MHz*
N	174 - 223 MHz*
S	174 - 223 MHz*
All Other Countries • Tous les autres pays • Alle anderen Länder • Demás países • Tutti gli altri Paesi	

*Please contact your national authority for information on available legal frequencies for your area and legal use of this equipment.

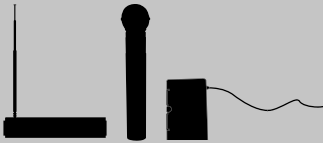
*Se mettre en rapport avec les autorités compétentes pour obtenir les informations sur les fréquences autorisées disponibles localement et sur l'utilisation autorisée de ce matériel.

*Für Informationen bezüglich der für Ihr Gebiet verfügbaren gesetzlich zugelassenen Frequenzen und der gesetzlichen Bestimmungen für den Einsatz dieses Geräts setzen Sie sich bitte mit der zuständigen örtlichen Behörde in Verbindung.

*Comuníquese con la autoridad nacional para obtener información en cuanto a las frecuencias legales disponibles y usos legales de este equipo en su área.

*Rivolgersi alle autorità competenti per ottenere informazioni relative alle frequenze autorizzate nella propria regione e alle norme che regolano l'uso di questo apparecchio.

*Pedimos que entre em contato com as devidas autoridades em seu país para obter informações sobre as frequências legais disponíveis para a sua área e quanto ao uso legal deste equipamento.



EU Declaration

EU DECLARATION OF CONFORMITY

We,
of

Shure Incorporated
222 Hartrey Avenue
Evanston, IL 60202-3696, U.S.A

Declare under our sole responsibility that the following products

Model:	<u>T11</u>	Description:	<u>Transmitter, Body Pack</u>
Model:	<u>T2</u>	Description:	<u>Transmitter, Handheld</u>
Model:	<u>T3</u>		<u>Receiver, Diversity</u>
Model:	<u>T4</u>		<u>Receiver, Diversity</u>
Model:	<u>PS20E, PS20UK</u>	Description:	<u>AC/DC Power Adapter</u>

Conforms to the essential requirements and other relevant provisions of the R&TTE Directive (1999/5/EC).

The products comply with the following product family, harmonized or national standards:

T11, T2, T3, and T4;

EN 300 422-1

EN 300 422-2

EN 301 489-1

EN 301 489-9

PS20E, PS20UK: EN 60065

Manufacturer: Shure Incorporated

Signed

Date JULY 11, 2002

Name, Title Craig Kozokar

Project Engineer, Corporate Quality, Shure Incorporated

European Contact: Shure Europe GmbH

Wannenäcker Str. 28, 74078 Heilbronn, Germany

Phone: 49-7131-7214-0, Fax: 49-7131-7214-14

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27E8715 (CB)



*SHURE Incorporated Web Address: <http://www.shure.com>
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Phone: 800-257-4873 Fax: 847-866-2279
In Europe, Phone: 49-7131-72140 Fax: 49-7131-721414
In Asia, Phone: 852-2893-4290 Fax: 852-2893-4055
Elsewhere, Phone: 847-866-2200 Fax: 847-866-2585*