

(GB) Instructions

Vivanco UR 89 remote control for almost all TV, audio, video and other infrared-controllable equipment

Inserting the batteries

Open the battery flap on the back of the remote control, press the tongue lightly upwards, then insert 2 alkaline AAA batteries. Check that the polarity markings on the batteries and in the battery compartment are correctly lined up (+/+), then close the flap carefully. – Always use undamaged batteries.

Adapting to appliances

In order to control your appliances you must adapt or set the remote control to them. There are two ways of doing so: direct control code entry or code search.

If your UR 89 does not understand you it blinks twice several times and you can then repeat the entry. Each understood entry is confirmed by an appliance button blinking once briefly.

Direct control code entry using the enclosed list

Example: setting to control a Panasonic television set:

1. The enclosed list gives, for example, the Panasonic Code **154**.

Please make sure you have selected the correct list for television sets (TV).

2. To prepare code entry, press the **SET** button, bottom right, keep it pressed and then press the required appliance button, e.g. **TV**, additionally until the lamp (LED) lights constantly.

3. Then press the number buttons (e.g. 1 5 4) in sequence.

4. Once the numbers have been entered the button lamp goes out and the remote control is ready to control your appliance.

5. Finally, test the control code setting by trying to control (in this example) your television set. If it does not work at all or not correctly try a different code from the list or the code search (see below).

6. To set the remote control for other appliances, proceed in the same way. Instead of the **TV** appliance button, press another button (e.g. **VCR**, **CBL/SAT**(DVB, DECODER), **DVD**, **TUNER**, **TAPE**, **CD**, **AMP**).

Code search


If the brand of your appliance is not in the list or none of the codes given fits, we recommend a code search.


Manual code search

1. Switch on the appliance to be controlled. Program is running.

2. To prepare code search, press the **SET** button, bottom right, keep it pressed and then press the required appliance button, e.g. **TV**, additionally until the lamp (LED) lights constantly.

3. Then point the remote control at the appliance to be controlled.

4. Briefly press the **ON/OFF**  (appliance on/off) button once. The lamp (LED) blinks. – *Except when searching for a TV code you can also briefly press the yellow > (Play) button and use the Play function to search. Make sure that a tape, a DVD or a CD is inserted in the tape deck, player or recorder.*

5. Press the **ON/OFF**  (appliance on/off) or **Play** button repeatedly, approx. every second, until the appliance, e.g. your DVD player, reacts. – *If you notice the reaction of your appliance too late and the next code has already been emitted you can go back by pressing **SET** and then **ON/OFF** or **Play** again. If your appliance has switched itself off you must switch it back on again, e.g. on the appliance or with the original remote control, to continue searching. – When your appliance reacts you can also try out other buttons without interrupting the search. If some buttons do not work properly, simply continue searching with **ON/OFF** or **Play**.*

6. When your appliance reacts correctly, press the appliance button, e.g. **TV**, and end the search. The lamp (LED) goes out.

– The UR 89 continues with the search at the point where you interrupted it. When the end of the code list is reached the search stops automatically. The remote control blinks quickly several times. The code last entered remains stored. The search stops after approx. 30 seconds of inactivity.

Automatic code search *

Your remote control finds the correct settings almost automatically in seconds:

1. Switch on the appliance to be controlled. A channel number, for example, appears in the display of your satellite receiver.

2. To start the code search, press the **SET** button, bottom right, and then additionally the required appliance button, e.g. **TV**, for more than 3 seconds until the lamp (LED) starts to blink.

3. Then point the remote control at the appliance to be controlled while the remote control emits a different **ON/OFF** signal every 2 seconds.

4. When your appliance reacts, press any button, except **SET**, to end the search. – *If you ended the search too late, continue to search using the **Manual Code Search** (see above).*

5. Finally, test the control code setting by trying to control, for example, your DVD appliance. If it does not work correctly, please try the code search again. The code search then begins with the next code in the sequence. – *Remember to switch your appliance, e.g. **DVD**, back on again if you wish to continue searching.*

Code identification


You can read off the 3-digit codes you have set at any time:

1. Press the appliance button of the appliance whose code you want to read off, e.g. **TV**.
2. Press the **SET** button and **1,2,3**, depending on the part of the code you want to read off. For example, if you press **SET+1** after **TV** and the code **154** (in this example) has been set, the lamp blinks once after **SET+1** is released to show that the hundred figure is 1. All you have to do is count. The ten figure is indicated after **SET+2** is released, e.g. it blinks 5 times for the 5 in **154**. The one figure is indicated after **SET+3** is released, e.g. it blinks 4 times for the 4 in **154**. - *We recommend that you note the found codes, for example, on a label attached to the back of the remote control.*

Operation

You operate your appliances basically in exactly the same way as if you were using the original remote controls, except that you must first press an appliance button (**TV**, **DVD**, etc.) to control the required appliance. As the symbols on the UR 89 could differ from those on the original remote controls you may have to try out all the buttons in order to find the functions.

Special settings and functions

1. **Volume Punch-Through function:** To simplify operation, the volume buttons (**VOL+** or **VOL-**) and the Mute  button always control the last appliance used for volume control if the appliance currently selected does not have volume control in its control code.

Example: you are controlling **TV** at first, then you change to **DVD**, which has no volume control. The remote control then automatically controls the TV volume without you having to switch over to **TV** in between.

2. **Assigning volume and mute exclusively to one appliance:** Press the appliance button of the appliance that you always want to use for volume control, e.g. **AMP** if that is where you have set your AV receiver. To lock, press **SET** and **5**. To unlock, press **SET** and **6**.

Specifications

Batteries: 2x AAA batteries, R03, UM4
Range: max. 7 m
Not for 400 kHz equipment

2-year works guarantee

Should your UR 89 cease to work within 2 years of purchasing you will receive a free replacement from Vivanco. Exceptions: missing codes, deliberate destruction and normal wear and tear of the housing and buttons.

(D) Bedienungsanleitung
Fernbedienung Vivanco UR 89 für fast alle Fernseh-, Audio-, Video und anderen infrarotsteuerbaren Geräte
Batterien einlegen

Bitte öffnen Sie die Batterieklappe an der Geräterückseite, Lasche leicht nach oben drücken, und legen Sie 2 Alkali-Mikrozellenbatterien ein. Achten Sie auf die angegebenen Polaritäten auf Batterien und im Batteriefach (+/+), und schließen Sie das Fach wieder vorsichtig. – Bitte achten Sie darauf, immer einwandfreie Batterien zu verwenden.

Geräteanpassung

Um Ihre Geräte steuern zu können, müssen Sie die Fernbedienung für Ihre Geräte einstellen. Dazu gibt es zwei Möglichkeiten: die direkte Steuerkodeeingabe und die Kodesuche.

Wenn die UR 89 Sie nicht versteht, dann blinkt sie 2 Mal und Sie können danach die Eingabe wiederholen. Jede verstandene Eingabe quittiert sie mit einem kurzen Blink ihrer LED-Anzeigelampe.

Die direkte Steuerkodeeingabe mithilfe der beigefügten Liste

Beispiel: Einstellung der Fernbedienung für ein Panasonic-Fernsehgerät:

1. Aus der beigefügten Liste entnehmen Sie z.B. den Panasonic-Code **154**.

Bitte vergewissern Sie sich, dass Sie die korrekte Liste für Fernseher (TV) gewählt haben.

2. Zur Vorbereitung der Kodeeingabe drücken Sie die Tasten **SET** (Einstellung), unten rechts, und dann dazu die gewünschte Gerätetaste, z.B. **TV**, bis das Lämpchen (LED) dauernd leuchtet.

3. Dann drücken Sie nacheinander die Zifferntasten (z.B. 1 5 4).

4. Nach der Zifferneingabe erlischt die Lampe und die Fernbedienung ist bereit zum Steuern Ihres Gerätes.

5. Zum Abschluss testen Sie den eingestellten Steuerkode, indem Sie versuchen in diesem Fall Ihr TV-Gerät zu steuern. Funktioniert es nicht oder nicht richtig, dann versuchen Sie bitte einen weiteren Kode aus der Liste oder die Kodesuche, s.u..

6. Die Einstellung der Fernbedienung zur Steuerung weiterer Geräte nehmen Sie auf gleiche Weise vor. Anstelle der Gerätetaste **TV** drücken Sie andere Tasten, z.B. **VCR**, **CBL/SAT**(DVB,DECODER), **DVD**, **TUNER**, **TAPE**, **CD**, **AMP**.

Die Kodesuche


Wenn die Marke eines Gerätes nicht in der Liste steht oder kein angegebener Kode passt, empfiehlt sich die Kodesuche.

Manuelle Kodesuche


1. Bitte das zusteuernde Gerät einschalten. Programm läuft.

2. Zur Vorbereitung der Kodesuche drücken Sie die Tasten **SET** (Einstellung), unten rechts, und dann dazu die gewünschte Gerätetaste, z.B. **TV**, bis das Lämpchen (LED) dauernd leuchtet.

3. Dann Fernbedienung auf das zu steuernde Geräte richten.

4. Einmal kurz **EIN/AUS**  (Gerät ein/aus)Taste drücken. Das Lämpchen (LED) blinkt. – *Außer bei der Suche nach TV-Kodes können Sie auch die gelbe Taste > (Play) kurz drücken und die Play/Wiedergabefunktion zum Suchen verwenden. Stellen Sie sicher, dass in Bandgeräten, Playern und Rekordern dann ein Band bzw. eine DVD oder CD eingelegt ist.*

5. Wiederholt, ca. jede Sekunde, **EIN/AUS**

 (Gerät ein/aus) oder **Play** (Wiedergabe) Taste drücken bis Gerät, z.B. Ihr DVD-Player, reagiert. - *Wenn Sie die Reaktion Ihres Gerätes zu spät bemerkt haben und schon der nächste Code gesendet wurde, dann macht das nichts: Sie können die Suchrichtung umkehren, indem Sie **SET** und dann wieder **EIN/AUS** oder **Play** drücken. Hatte sich Ihr Gerät ausgeschaltet, so müssen Sie es, z.B. am Gerät oder mit der Originalfernbedienung zur weiteren Suche wieder einschalten. - Wenn Ihr Gerät reagiert können Sie auch andere Tasten probieren, ohne die Suche zu verlassen. Wenn einige Tasten nicht richtig funktionieren, suchen Sie einfach weiter mit **EIN/AUS** oder **Play**.*

6. Wenn Ihr Gerät richtig reagiert, drücken Sie die Gerätetaste, z.B. **TV**, und beendenden so die Suche. Das Lämpchen (LED) geht aus. *Die UR 89 setzt die Suche dort fort, wo Sie die Suche abgebrochen hatten. Wenn das Ende der Kodeliste erreicht ist, endet die Suche automatisch. Dabei blinkt die Fernbedienung mehrfach schnell hintereinander. Der zuletzt eingegebene Code bleibt gespeichert. Die Suche wird nach ca. 30 Sekunden Untätigkeit abgebrochen.*

Automatische Kodesuche

In wenigen Sekunden findet Ihre Fernbedienung fast automatisch die richtigen Stellereinstellungen:

1. Bitte das zusteuernde Gerät einschalten. Z.B. erscheint eine Programmnummer in der Anzeige Ihres Satempfängers.

2. Zum Start der Kodesuche drücken Sie die Tasten **SET** (Einstellung), unten rechts, und dann dazu die gewünschte Gerätetaste, z.B. **TV**, mehr als 3 Sekunden lang bis das Lämpchen (LED) blinkt.

3. Dann Fernbedienung auf das zu steuernde Geräte richten, während die

Fernbedienung alle 2 Sekunden ein anderes **EIN/AUS** Signal sendet.

4. Wenn Ihr Gerät reagiert, drücken Sie irgendeine Taste, außer **SET**, um die Kodesuche zu beenden. – *Wenn Sie die Suche zu spät beendet haben, dann suchen Sie bitte weiter mit der **Manuellen Kodesuche** s.o..*

5. Zum Abschluss testen Sie den eingestellten Steuercode, indem Sie versuchen z.B. Ihr DVD-Gerät zu steuern. Funktioniert es nicht richtig, dann versuchen Sie bitte die Kodesuche noch einmal. Die Codesuche startet dann mit dem nächstfolgenden Code. - *Vergessen Sie nicht Ihr Gerät z.B. **DVD**, wenn Sie weiter suchen lassen wollen, wieder am Gerät einzuschalten.*

Kodeidentifikation


Sie können die eingestellten 3-stelligen Codes jederzeit auslesen:

1. Gerätetaste des Gerätes drücken, dessen Code Sie auslesen möchten. Z.B. **TV**.
 2. **SET** (Einstellen) drücken und dazu **1,2,3** drücken, je nachdem welche Stelle des Codes Sie auslesen möchten. Z.B. wenn Sie nach **TV SET+1** gedrückt haben und der Beispielcode **154** eingestellt ist, blinkt das Lämpchen, nach dem loslassen von **SET+1**, 1* um die Hunderterstelle mit 1 anzuzeigen. Sie brauchen also nur zu zählen. Mit **SET+2** wird nach dem Loslassen die 10er Stelle ausgegeben, z.B. blinkt es 5* für die 5 von **154**. Und Mit **SET+3** wird nach dem Loslassen die 1er Stelle ausgegeben, z.B. blinkt es 4* für die 4 von **154**. - *Zur Erinnerung empfiehlt es sich gefundenen Codes, z.B. auf einem Klebeschild an der Fernbedienungsrückseite zu notieren.*

Bedienung

Sie bedienen Ihre Geräte praktisch genauso, wie Sie es von Ihren Originalfernbedienungen her kennen, nur, dass Sie zuvor eine Gerätetaste **TV**, **DVD** usw. drücken müssen, um das gewünschte Gerät steuern zu können. Da die Symbole der UR 89 sich von denen Ihrer Originalfernbedienungen unterscheiden können, müssen Sie u.U. alle Tasten zum Finden von Funktionen ausprobieren.

Spezielle Einstellungen und Funktionen
1. Lautstärke-Punch-Through-Funktion:

Zur Vereinfachung der Bedienung steuern die Lautstärketasten (**VOL+** oder **VOL-**) und die Stummschalttaste  (Stumm) immer das zuletzt zur Tonsteuerung genutzte Gerät, wenn das aktuell ausgewählte Gerät keine Tonsteuerung im Steuercode vorgesehen hat. Beispiel: Sie steuern zunächst **TV** und wechseln dann zu **DVD**, der keine Tonsteuerung hat, dann steuert die Fernbedienung automatisch den Fernsehgeräteton, ohne dass Sie zwischendurch auf **TV** umschalten müssen.

2. Lautstärke und Stummschaltung exklusiv einem Gerät zuordnen: Drücken Sie die Gerätetaste des Gerätes, dass Sie immer zur Tonsteuerung nutzen wollen. Z.B. **AMP** wenn Sie dort Ihren AV-Empfänger eingestellt haben. Zur Verriegelung drücken Sie dann **SET** und dann dazu die **5**. Zur Entriegelung drücken Sie **SET** und dann dazu die **6**.

Technische Daten

Batterien: 2x Mikrozellen, R03, UM4, AAA
Reichweite: max. 7 m
Nicht für 400 kHz Geräte

2 Jahre Werksgarantie

Fällt Ihre UR 89 innerhalb von 2 Jahren nach dem Kauf aus, dann bekommen Sie von Vivanco kostenlos Ersatz. Ausnahmen: fehlende Codes, vorsätzliche Zerstörung und normale Abnutzung des Gehäuses und der Tasten.

(E) Instrucciones para el uso

Telemando Vivanco UR 89 para casi todos los televisores, aparatos de audio y vídeo y otros aparatos de telemando infrarrojo

Colocación de pilas

Abra el compartimiento de pilas situado en la parte trasera del telemando. Apriete suavemente hacia arriba la lengüeta y coloque 2 micropilas alcalinas. Preste atención a las polaridades indicadas en las pilas y el compartimiento de las mismas (+/+) y cierre cuidadosamente el compartimiento. – Rogamos preste atención a que siempre son empleadas pilas impecables.

Adaptación del telemando

Para poder mandar sus aparatos, debe adaptar el telemando a los aparatos a mandar. A este efecto, hay dos posibilidades: la introducción directa del código de mando, la búsqueda de código.

Si su UR 89 no le entiende, da 2 veces seguidas luz intermitente. Después puede repetir la introducción. Cada introducción entendida es confirmada mediante un brillo breve del indicador LED.

Introducción directa del código de mando mediante la lista anejada

Ejemplo: Ajuste del telemando para un televisor Panasonic

1. En la lista anejada puede localizar p.ej. el código **154** para Panasonic. *Asegúrese de que haya elegido la lista correcta para televisores (TV).*
2. Para preparar la introducción del código, presione brevemente la tecla **SET** (tecla de ajuste) situada abajo a la derecha, y la tecla de aparato requerida, p.ej. **TV** hasta que el LED esté permanentemente iluminado.
3. Entonces, debe presionar una tras otra las teclas de número (p.ej. 1 5 4).
4. Después de haber sido introducidos los números, se apaga la lámpara y el telemando está listo para mandar su aparato.

5. Finalmente, debe ensayar el código de mando ajustado intentando a mandar p.ej. su televisor. Caso que no funcione o no funcione correctamente, debe elegir otro código de la lista o servirse de la búsqueda de código, v. pasos siguientes.

6. El ajuste del telemando para el mando de otros aparatos debe efectuarlo de la misma manera. Entonces, en vez de la tecla de aparato **TV** debe presionar otras teclas, p.ej. **VCR**, **CBL/SAT(DVB,DECODER)**, **DVD**, **TUNER**, **TAPE**, **CD**, **AMP**.

La búsqueda de código

Si la marca de un aparato no está indicada en la lista o si no es correcto ninguno de los códigos indicados, recomendamos emplear la búsqueda de código.

Búsqueda de código manual

1 Activar el aparato a mandar. El programa está activo.

2 Para preparar la búsqueda de código, presione brevemente la tecla **SET** (ajuste), abajo a la derecha, y entonces la tecla de aparato requerida, p.ej. **TV** hasta que el LED esté permanentemente iluminado.

3 Entonces, dirija el telemando hacia el aparato a mandar.

4 Presione una vez brevemente la tecla




ACTIVAR/DESACTIVAR

(encender/apagar aparato). El LED da luz intermitente. – *Excepto con ocasión de buscar códigos TV, también puede presionar brevemente la tecla amarilla > (Play) y emplear la función Play/Reproducción para buscar. Entonces, asegúrese de que los grabadores y reproductores dispongan del medio respectivo resp. una cinta, un DVD, un CD, etc..*

5 Presione repetidamente, aprox. una vez por segundo, la tecla



ACTIVAR/DESACTIVAR

(encender/apagar el aparato)  la tecla **Play** (reproducción) hasta que reaccione, p.ej. su reproductor DVD, reagiert. – *No importa, si usted haya notado demasiado tarde la reacción del aparato respectivo y ya ha sido enviado el próximo código: Puede invertir la dirección de búsqueda presionando **SET** y entonces nuevamente la tecla **ACTIVAR/DESACTIVAR** o **Play**. Caso que su aparato se hubiera apagado, debe activarlo nuevamente p.ej. en el aparato mismo o mediante el telemando original, para que inicie otra vez la búsqueda. – Si su aparato reacciona, también puede probar otras teclas sin tener que salir del proceso de búsqueda. Si algunas teclas no funcionen correctamente, siga buscando mediante las teclas **ACTIVAR/DESACTIVAR** o **Play**.*

6 Si su aparato reaccione correctamente, presione la tecla de aparato, p.ej. **TV**, y termine así la búsqueda. Se apaga el LED.

El UR 89 sigue la búsqueda allí, donde la había interrumpido. En cuanto el sistema

haya alcanzado el fin de la lista de códigos, la búsqueda es terminada de manera automática. En esto, el telemando da luz intermitente rápida. El código últimamente introducido es guardado.- Después de unos 30 segundos de inactividad, la búsqueda es terminada.

Búsqueda de código automática

Dentro de pocos segundos, su telemando localiza de manera casi automática los ajustes de mando correctos.

1. Debe activar el aparato a mandar. P.ej. aparece un número de programa en el indicador de su receptor de SAT.

2. Para emprender la búsqueda de código, presione la tecla **SET** (tecla de ajuste), abajo a la derecha, y la tecla de aparato requerida, p.ej. **TV**, durante más de 3 segundos hasta que el LED de luz intermitente.

3. Entonces, dirija el telemando hacia el aparato a mandar, mientras el telemando emite cada 2 segundos otra señal **ACTIVAR/DESACTIVAR**.

4. En cuanto su aparato reaccione, presione cualquier tecla excepto **SET** para terminar la búsqueda. *Caso que haya terminado demasiado tarde, siga mediante la Búsqueda de código manual.*

5. Finalmente, debe ensayar el código de mando ajustado intentando a mandar p.ej. su aparato DVD. Caso que no funcione de la manera correcta, debería reiniciar la búsqueda de código. Entonces, la búsqueda de código empieza con el código siguiente. *No olvide activar nuevamente su aparato, p.ej. el DVD, si desea seguir buscando.*

Identificación de códigos

Puede recontar en cualquier momento los códigos ajustados de 3 dígitos:

1. Presione la tecla de aquel aparato, cuyo código desea leer, p.ej. **TV**.

2. Presione la tecla **SET** (ajuste) y **1**, **2**, **3** - según la posición del dígito de código que desea leer. Si, p.ej., ha presionado **TV SET+1** y el código ejemplar es el **154**, después de haber soltado la tecla **SET+1** el LED del 1 da luz intermitente para indicar el dígito centeno del código. Pues simplemente debe contar. Soltando **SET+2**, es indicado el dígito deceno (p.ej. da luz intermitente el 5 de **154**), y soltando **SET+3** es indicada la cifra 4 de **154**. - *Para no olvidar los códigos, se recomienda los apunte p.ej. mediante un adhesivo fijado en la parte trasera del telemando.*

Manejo

El manejo de sus aparatos es prácticamente el mismo que el efectuado con los telemandos originales, aunque antes debe presionar una tecla de aparato **TV**, **DVD**, etc., para poder mandar el aparato requerido. Como los símbolos indicados en su UR 89 pueden variar de los indicados en sus telemandos originales, dado el caso debe probar todas las

teclas para averiguar sus funciones especiales.

Ajustes y funciones especiales

1. Función de volumen Punch-Through:

Para simplificar el manejo, las teclas de regulación de volumen (**VOL+** o **VOL-**) y la tecla de apagar el sonido (mute) siempre controlan el volumen del aparato usado últimamente, si el aparato actualmente elegido no disponga de regulación de volumen en el código de mando. Ejemplo: Primero controla **TV** para, después, mandar el **DVD** que no dispone de regulación de volumen. Entonces, el telemando manda automáticamente el volumen del televisor sin que fuese necesario cambiar a **TV**.

2. **Asignar volumen y sonido apagado a un aparato especial:** Presione la tecla de aparato de aquel aparato que desea emplear siempre para mandar el volumen; p.ej. **AMP**, si ha elegido su receptor de AV. Entonces, para bloquear el ajuste presione **SET** y el **5**, para desbloquearlo **SET** y el **6**.

Datos técnicos:

Pilas: 2x micropilas, R03, UM4, AAA

Alcance: máx. 7 m

No apropiado para aparatos de 400 kHz

2 años de garantía de fábrica

En el caso de que su UR 89 falle dentro de 2 años después de haberlo adquirido, Vivanco sustituye el aparato gratuitamente. Excepciones: códigos faltantes, destrucción intencionada y desgaste normal de la caja y las teclas.

(I) Istruzioni per l'uso

Telecomando Vivanco UR 89 per quasi tutti i televisori ed altri apparecchi audio-video che possono essere comandati a infrarossi

Inserimento delle batterie

Aprire il vano batterie sul dorso dell'apparecchio (esercitando una leggera pressione che permetterà l'apertura del coperchio). Inserire dunque 2 batterie ministilo alcaline. Prestare attenzione alla polarità indicata sulle batterie e nel vano batterie (+/+); poi richiudere il vano prestando attenzione. - Utilizzare esclusivamente batterie in ottimo stato.

Programmazione del telecomando

Prima di poter comandare un apparecchio, è necessario programmare il telecomando per l'apparecchio in questione. Ciò può avvenire in due modi: mediante inserimento diretto del codice di comando, nonché mediante la funzione di ricerca del codice.

Se UR 89 non capisce un inserimento, lampeggia 2 volte e dà la possibilità di ripetere l'inserimento; valida invece ogni inserimento capito mediante un breve lampeggiamento del LED.

Inserimento diretto di un codice di comando preso dall'elenco fornito insieme al telecomando

Esempio: regolazione del telecomando per un televisore Panasonic.

1. Dalla lista allegata, desumere ad es. il codice Panasonic **154**. -Assicurarsi di aver scelto la lista giusta, cioè quella dei televisori (TV).
2. Per preparare l'inserimento del codice premere brevemente i tasti **SET** (Impostazione), situati in basso a destra, e poi il tasto di apparecchio desiderato, ad es. **TV**, finché la spia (LED) resta accesa in permanenza.
3. Premere in seguito uno dopo l'altro i tasti numerici (ad es. 1 5 4).
4. Una volta inserite le cifre, il LED si spegne e il telecomando è pronto per il comando dell'apparecchio.
5. In seguito, provare il codice di comando regolato cercando di comandare, nel caso presente, il televisore. Se non succede nulla, o se non accade quanto dovrebbe accadere, tentare con un nuovo codice preso dall'elenco oppure servirsi della funzione di ricerca del codice (vedi sotto).
6. La regolazione del telecomando per il comando di altri apparecchi si eseguirà nella stessa maniera. Al posto del tasto di apparecchio **TV**, premere un altro tasto, ad es. **VCR, CBL/SAT(DVB,DECODER), DVD, TUNER, TAPE, CD, AMP**.

Ricerca del codice

Si raccomanda l'utilizzazione della funzione di ricerca del codice qualora l'elenco non comprendesse un apparecchio, o se il codice specificato non funziona.

Ricerca manuale del codice

1. Accendere l'apparecchio che si desidera comandare (l'apparecchio in questione sarà già regolato su un programma).
2. Per preparare la ricerca del codice premere brevemente i tasti **SET** (Impostazione), situati in basso a destra, e poi il tasto di apparecchio desiderato, ad es. **TV1**, finché la spia (LED) resta accesa in permanenza.
3. Poi puntare il telecomando verso l'apparecchio che si vuole comandare.
4. Premere una volta brevemente il tasto **ON/OFF**  (apparecchio ON/OFF). La spia (LED) lampeggerà. - *Ad eccezione della ricerca di codici TV, è possibile premere brevemente anche il tasto giallo > (Play) ed utilizzare così la funzione Play/Lettura per eseguire una ricerca. Assicurarsi prima che negli apparecchi a nastro, nei lettori o nei recorder sia inserito un nastro oppure un DVD o un CD.*
5. Premere più o meno ogni secondo il tasto **ON/OFF**  (apparecchio ON/OFF) o **Play** (Lettura) finché l'apparecchio (nell'esempio dato il lettore DVD) reagisce. -

*Non fa nulla se quando ci si accorge che l'apparecchio ha reagito, il codice successivo è già stato trasmesso: è possibile infatti invertire la direzione di ricerca premendo prima **SET** e poi, nuovamente, **ON/OFF** o **Play**. Se nel frattempo l'apparecchio si è spento, per proseguire la ricerca sarà necessario riaccenderlo, agendo per es. sull'apparecchio o sul telecomando originale. - Quando l'apparecchio reagisce, è possibile provare anche altri tasti, senza dover uscire dalla ricerca. Qualora qualche tasto non funzioni correttamente, basterà proseguire la ricerca agendo su **ON/OFF** o su **Play**.*

6. Quando l'apparecchio reagisce correttamente, premere il tasto di apparecchio, ad es. **TV1**, per terminare la ricerca. La spia (LED) si spegnerà. *UR 89 continua la ricerca là dove era stata interrotta. La ricerca termina automaticamente con il raggiungimento della fine dell'elenco dei codici. Il telecomando lampeggia allora rapidamente più volte di seguito. Il codice inserito per ultimo resta memorizzato. La ricerca si interromperà dopo ca. 30 secondi di inattività.*

Ricerca automatica del codice

Il telecomando eseguirà nel giro di pochi secondi, quasi automaticamente, le impostazioni giuste:

1. Accendere l'apparecchio che si desidera comandare (nel caso di un ricevitore da satelliti, appare così, per es., un numero di programma sul display dell'apparecchio).
2. Per avviare la ricerca del codice premere brevemente i tasti **SET** (Impostazione), situati in basso a destra, e premere in seguito per più di 3 secondi il tasto di apparecchio desiderato, ad es. **TV**, finché la spia (LED) resta accesa in permanenza.
3. Poi puntare il telecomando verso l'apparecchio che si vuole comandare, mentre il telecomando invia ogni 2 secondi un altro segnale di **ON/OFF**.
4. Quando l'apparecchio reagisce, premere un qualsiasi altro tasto, eccetto **SET**, per terminare la ricerca del codice. - *Qualora la ricerca sia stata terminata troppo tardi, proseguire la ricerca manualmente (vedi sopra Ricerca manuale del codice).*
5. In seguito, provare il codice di comando regolato cercando di comandare ad es. l'apparecchio DVD. Se non funziona correttamente, riavviare la ricerca del codice. La ricerca partirà dal codice successivo. - *Non si dimentichi di riaccendere l'apparecchio (agendo sull'interruttore sull'apparecchio), per es. l'apparecchio DVD, se si desidera proseguire la ricerca.*

Identificazione del codice

E' possibile in qualsiasi momento sapere qual è il codice a tre cifre regolato:


1. Premere il tasto di apparecchio dell'apparecchio di cui si desidera conoscere il codice, ad es. **TV**.

2. Premere **SET** (Impostazione) e poi **1,2,3**, a seconda della cifra del codice che si desidera conoscere. Esempio: se dopo aver premuto **TV**, viene premuto **SET+1**, e il codice impostato è quello dell'esempio, ossia **154**, la spia allora, non appena rilasciato **SET+1**, lampeggerà 1 volta per indicare che la cifra delle centinaia è 1. Si tratta dunque di contare. Premere e rilasciare **SET+2** per conoscere la cifra delle decine: la spia lampeggerà in questo caso 5 volte per indicare che la cifra delle decine è 5 (154). In seguito, premere e rilasciare **SET+3** per conoscere la cifra delle unità: la spia lampeggerà in questo caso 4 volte indicando così il 4 in 154. - *Per ricordarsi il codice, si consiglia di scriverlo ad es. su una targhetta adesiva da applicare poi sul dorso del telecomando.*

Comando

Il comando degli apparecchi avviene in modo identico a quello già noto dei telecomandi originali. La sola differenza consiste nel dover premere prima un tasto di apparecchio, **TV**, **DVD** ecc., per poter poi comandare l'apparecchio desiderato. Dato che i simboli sul telecomando UR 89 possono essere diversi da quelli sui telecomandi originali, occorrerà eventualmente provare tutti tasti per individuare le funzioni di ciascun tasto.

Impostazioni e funzioni speciali

1. **Funzione "Volume Punch Through"**: per semplificare l'utilizzazione, i tasti di regolazione del volume (**VOL+** e **VOL-**) ed il tasto **MUTE**  agiscono sempre sull'ultimo apparecchio utilizzato per il comando audio, qualora non sia previsto alcun comando audio nel codice di comando dell'apparecchio attualmente selezionato. Esempio: si comanda dapprima **TV** e poi si passa a **DVD**, sprovvisto di comando audio. In tal caso il telecomando agirà automaticamente sull'audio del televisore, senza che si debba tornare prima su **TV**.

2. **Definizione di un apparecchio per Volume e Mute**: premere il tasto di apparecchio dell'apparecchio che si vuole utilizzare sempre per il comando audio, ad es. **AUX** qualora il proprio ricevitore AV sia collegato ad **AUX**. Per bloccare premere **SET** e 5. Per sbloccare premere **SET** e 6.

Specificazioni tecniche

Pile: 2 pile rotonde, R03, UM4, AAA
Portata: max. 7m
Non per apparecchi da 400 kHz

2 anni di garanzia di fabbrica

Se UR 89 si guasta nei 2 anni dalla data di acquisto, Vivanco si impegna a sostituire gratuitamente il telecomando. Eccezioni:

codici mancanti, distruzione deliberata e usura naturale della scatola e dei tasti.

Code List::	TV
Brand	TV
Acme	004,010
Acura	010
ADA	015
ADC	002,006
Admiral	001,002,003,020,050,054,109,187,196,197
Adyson	004,186,210,213
Agashi	187,206,212,214
Agazi	003
Agb	124
Alko	004,005,010
Aiwa	088,213
Akai	007,009,010,011,012,052,062,069,070,071,134,142,170,206,221
AKI	206
Akiba	012,212
Akito	026
Akura	003,012,016,072,191,206,212
Alba	004,010,012,028,029,054,063,069,087,163,170,184,187,195,206,215,217
Albiral	038,206,207
Alkos	165
Allorgan	021,027,195,212,219
Allstar	052
Amplivision	004,209,214,228
Amstrad	003,010,012,014,031,069,070,072,075,109,124,226
Anam	010,066,110
Anglo	010
Anitech	003,010,016,044,110,183,184,224,231
Ansonic	010,015
Arc En Ciel	046,127,140,204,207
Arcam Delta	004
Aristona	016,052,170,195
Arthur Martin	159
Art-Tech	212
ASA	001,017,018,019,050,111
Asberg	044,052,182,187,195
Astra	010
Astro Sound	207,212
Asuka	003,004,012,212,214,218
Atlantic	004,021,022,052,170,182,197
Atori	010
Audiosonic	004,010,012,021,052,140,170
Audioton	004,182,231,233
Ausind	044,212
Autovox	001,003,004,021,044,058,102,126
Baird	140,198,200,206,232
Bang&Olufson	001
Barcom	210
Basic line	010,012,052,184,198,212
Bastide	004
Baur	077,119,133,142,170
Bazin	183,201,206,217
Beknteknik	228
Beko	008,035,084,214,228
Beon	052,170

Best	114,115
Bestar	052,116,228
Binatone	004
Black Star	130
Blacktron	212
Blackway	212
Blaupunkt	009,023,101,113,120,136,179
Blausonic	209
Blue sky	012,212,228
Blue star	121
Bondstec	130
Boots	004,026
Boston	208,218
BPL	121
Brandt	023,037,046,047,127,128,140,204
Brion vega	001,052,058,170,208
Bristol	208
Britannia	004
Bruns	001,008,040,227
BSR	027,132,197,210,212,215
BTC	012
Bush	010,012,020,025,026,028,029,033,052,063,069,116,121,132,133,140,168,170,172
California	195
Capsonic	003,214
Carena	212,214
Carrefour	028
Cascade	010
Casio	201
Cathay	052,170
Centurion	052,170
Century	001,191
CGE	044,054,130,132,187,204
CGM	233,234
CIE	196,212,226
Cihan	214
Cimline	010,029,212,213
City	010
Clarivox	038,040,170
Clatronic	003,004,010,012,031,044,052,084,130,206,212,214
Cofadel	204
Colombia	228
Colombus	182
Concorde	010
Condor	004,022,052,084,182,184,187,211
Cont. Edison	204
Contec	004,010,028,030,031,211,212,217
Continental Edison	023,037,046,047,112,127,140
Cosmel	010
Crezar	182,234
Crosley	001,044,130,132
Crown	010,044,052,054,084,115,122,170,228
Cs Electronics	004,012,130
CTC	130
CTC Clatronic	015,187,207,210,212,226
Cybertron	012
Daewoo	004,010,052,059,095,116,196
Dainichi	012,212
Dansai	003,052,170,212
Dantax	035,149,162,213

Datronic	196,211
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Dayton	010
Daytron	196
De Graaf	007,020,034
Decca	004,011,026,031,052,124,170,229
Denko	206,214
Denver	211,212
Desmet	052,170,182
Digiline	213
Digital	212
Dixi	010,040,052,170
Domland	219
Domoh	182
DTS	010
Dual	004,090,126,127,132,140,161,195,197,206,207,211,219
Dual-Tec	004,010,132,197
Dumont	001,004,015,018,019
Dux	170,195
Dynatron	052,170
Elbe	038,109,158,180
Elcit	001
Electa	121
Electro Tech	010
Elektronska	209
Elin	004,017,019,052,170,181,197,198,233
Elite	012,022,052,179,184,197
Elman	015,132,207,209,213
Elsay	184,229
Elta	010
Emerson	001,128,142
Engel	207,227
Erres	016,052,170
Estel	207
Etron	010
Eurocom	209,212
Euro-Feel	003
Euroline	089,170
Euroman	196,206,212,214
Euromann	003,004,052,115
Europa	228
Europhon	004,015,026,052,073,124,132,209,234
Eurotronic	228
Expert	021,188,197,198
Fenner	010,116,184,191,195,212
Ferguson	036,037,038,051,053,082,096,112,128,164,170,232
Fidelis	182,211
Fidelity	004,020,069,096,097
Filsai	217
Finlandia	007,020,111,129,181,198,200
Finlux	001,004,011,015,017,018,019,044,052,064,111,124,132,158,168,170,181,225
First Line	004,010,027,052,063,130,183
Fisher	001,004,007,019,028,030,040,041,084,132,195,200,211,227
Flint	052,149,183,184,187,196,214
Forgestone	096
Formenti	001,002,004,022,044,126,132,134,170,182
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Frontech	003,010,020,050,069,119,130,183,184,191,213
Fujitsu	011,021,197,209,212
Funai	003,027,211,212
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Galeria	196
Galway	184
GBC	010,028,132,233,234
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GEC	004,011,042,050,052,124,133,142,170,186,198,224,229,231
Geloso	010,020,132,231
General Technic	010
Genexxa	012,050,052,212
Germanvox	234
Goldhand	231
Goldstar	004,010,013,020,052,085,094,130,132,170,172,210,223
Goodmans	003,010,011,028,029,052,069,094,112,116,128,154,170,230
Gorenje	084,115
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Granada	004,007,011,020,028,032,041,044,052,055,065,124,128,129,134,135,139,170
Grandin	010,012,121,170,184
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Grundig	009,018,044,092,102,117,118,136,137,185
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HCM	003,004,010,075,121,200,211,234
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Hinari	007,010,012,028,044,052,138,170,200,212,213,227,230
Hisawa	012,121,149,212
Hitachi	004,011,017,020,024,028,034,042,045,046,047,048,049,050,086,119,124,132,133,139,140,141,142,143,145,186,224
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Intervision	003,004,015,110
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ITC	004,132,184,204,233
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Quelle	019,040	
Quiero	173	
Radiola	125	
Radix	039	
Rainbow	009	
RE	096	
Rediffusion	101	
Redpoint	033	
Redstar	029	
Revox	096	
RFT	010,103,125	
Roadstar	222	
Ruefach	094	
Saba	006,011,014,04 5,061,064,065, 120,127, 133,136,142,14 3,144,146,195, 206,207	
Sabre	005,204	
Sagem	062	
Sakura	050,074	
Salora	030,100,101,10 7,135,196,199	254
Samsung	004,027,078,20 3	252
SAT	007,017,036,03 8	
SatBox		256
Satcom	043,095,106	
Satec	014,045,195,20 6	
Satford	043	
Satmaster	043	
Satpartner	004,009,011,04 4,068,083	
Schneider	049	
Schwaiger	013,014,052,05 4,089,095,137, 144,146, 147,152,155,15 7,168,206	
Scientific Atlanta Sts		235,236, 248
Seemann	003,021,033,03 9	
SEG	004,008,029,03 4,044,095,119, 214	
Seleco	055,223,226	
Siemens	040	
Silva	068	
Skardin	033	
Sky	154,182,190,19 1	
Sky Digibox	224	
Sky Digital	154	
Skymaster	010,095,148,15 6,158,159,160, 161,162	
Skymax	015,125	
Skyvision	055	
Sony	020,154,203,20 4,233	
SR	021,065,093	
Star Trak	004	
Starion	034	

Starland	156	
Starring	044	
Stella	047	
Str	222,228	
Strong	004,009,029,04 8,051,081,133, 203,222, 228	
Sumida	021	
Sun/Moon/Star	184	
Sunstar	021,093,107	
Tandberg	062,225	
Tandy	009	
Tantec	005,045,064,06 9,071,195,204, 207	
Tatung	053,204	
TCM	029,085,095,13 7,153,156,157	
Techniland	043	
Technisat	039,071,103,10 8,109,126	
Teco	021,093	
Telanor	007	
Telasat	095	
Tele+	222,226	
Tele+1		247
Telecom	047	
Teledirekt	206	
Telefunken	004,045,131,13 6,137,138,145, 195	
Teleka	009,021,027,03 9,088	
Telemaster	011	
Telexmax	091	
Telesat	095	
Teleservice		022
Telestar	071	
Televés	005,185,187,18 8,195,204	
Telewire	055	
Tevion	029,085,095,13 7,153,156,157, 218,219	
Thomson	005,065,084,13 1,139,145,173, 195,203, 204,226,231	
Thorens	054	
Thorn	005,012,014,04 5,064,066,195, 204	
Tioko	052	
Tonna	005,043,055,20 4	
Toshiba	204,229	
TPS	141,175	
Triad	015,036,038,06 8,113	
Triasat	072	
Triax	040,071,136,20 3	
Tristar	051	
Tudi		239
Uniden	114	
Unisat	021,050	
Unitor	025,044	
Universum	040,067,075,07 9,200	
Variostat	040	
Vector	015,061	

Ventana	125	
Via Digital	135,139,231,232	
Videoway		005
Visiopace	225	
Visiosat	044,055,156,163,164,165,166,167	
Vortec	004,027,078	
V-Tech	036,038,104,115	
Westminster Cable		240
Wevasat	005,015	
Wewa	005,204	
Winersat	044	
Wisi	005,036,038,039,040,113,116,117,118,204	
Wittenberg	017	
Wolsey	082	
Woorisat	011	
Xsat	176	
Zehnder	011,029,038,087,089,119	
Zenith	190	
Zodiac	009	
Others	001,002,220,221	

CD

Brand	CD
Adcom	006
Aiwa	007,008,009,098
Akai	010,011,012,013
Alba	014
Arcam	083
Asuka	015
Audiosonic	015
Bestar	016
BSR	017
Bush	018
California Audio Lab	019
Carrera	020
Condor	017
Crown	021
Denon	022,023
Dual	015,024
Emerson	006,016,025
Fisher	026,027
Genexxa	016,025,028,029,030,031,032,033,034
Goldstar	020
Goodmans	025,035,036
Grundig	037,083
Harmon Kardon	010,038,039,040
Hitachi	006,024,041,042,043
Innovation	081,089,090,091,092,093,094
Intersound	015
JVC	044
Kenwood	026,029,045,046,047,100
Kodak	005
LG	020
Lifetec	081,089,090,091,092,093,094
Linn	083

Luxman	048,049
M-Electronic	050
Magnum	081,089,090,091,092,093,094
Marantz	051,052,083
Matsui	051,053,083
Mcintosh	054,055
Medion	081,089,090,091,092,093,094
Memorex	006,016,025,031,034
Meridian	083
Micromaxx	081,089,090,091,092,093,094
Micromega	083
Microstar	081,089,090,091,092,093,094
Mission	083
NAD	028,049,084,085,086,087
Naim	083
Nakamichi	056,057
Onkyo	002,058,059,060,061
Panasonic	018,019,062
Philips	003,063,064,082,083
Philips CD-I	064
Philips CD-V	002
Pioneer	030,034,099
Proton	083
Quad	083
Realistic	006,016,031,032
Roadstar	050,063,065
Rotel	083
Saba	024
SAE	083
Samsung	102
Sansui	003,025,066,067,068,083
Schneider	001,017,083
Scott	016,025
Sharp	029,069,070,071
Siemens	072
Signature	010
Sony	028,073,074,075,088,095,096,097
Sunwood	015
Tandberg	083
TCM	081,089,090,091,092,093,094
Technics	019,062,077,101
Telefunken	024
Tevion	081,089,090,091,092,093,094
Thomson	004,024
Toshiba	049,078,079
Universum	083
Vector Research	020
Victor	044
Yamaha	069,076,080
Yorx	065

DVD

Brand	DVD
Akai	010,034,064
CyberHome	042,068
Daewoo	070
Denon	005,036,058
Grundig	011
Harman/Kardon	050
Hitachi	009,025,030,043,063
Innovation	012,013,014
JVC	002,032,066
Kenwood	005,028,058

Labwave	023,048
Lasonic	067
LG	016
Life	012,013,014
Lifetec	012,013,014
Linn	035
Loewe	011,039
Magnavox	056
Marantz	003,038
Medion	012,013,014,041
Metz	009,024
Micromaxx	012,013,014
Microstar	012,013,014
Mitsubishi	007
Mustek	069,071,072
NAD	027
Noname	045
Onkyo	015,029,065
Optimus	059
Panasonic	005,006,017,022,036,051,054,055,058
Philco	053
Philips	003,011,039,040,047,052
Pioneer	009,024,026,059,062
RCA	057,073
Samsung	008,030,063
Schneider	014
Sharp	012,013
Sherwood	044
Sony	004,031,046,060
SVA	074
TCM	012,013,014
Technics	005,036,037,058
Tevion	012,013,014
Thomson	001,033
Toshiba	003,049
Yamaha	005,036,058,061
Others	018,019,020,021

TAPE

Brand	TAPE
Aiwa	008,009,010,126,127
Akai	015,079,089,099,100,110
Amstrad	082
Aswo	017
Braun	036
Bush	003
Daewoo	073
Denon	002,006,007,045,058,132
Diora	065,066
Dual	016,101,102
Fischer	059,060,071,129
Goldstar	128
Goodmanns	001
Goodmans	033
Grundig	017,021,026
Harman	057,092
Kardon	
Hitachi	045,081
ITT	084,085
JVC	011,028,029,123,124
Kenwood	014,083,098,101,102,116,121,122
Linn	054
Luxman	042,043,050,097
Marantz	017,053,088
NAD	069,070
Nakamichi	093
Nokia	086
Okano	113,114
Onkyo	012,013,022,067,068

Palladium	109
Panasonic	048,094,095
Philips	017,026,087
Pioneer	019,020,078,104,106,107,108
Radmor	053
Revox	027
Revox/Studer	017
Samsung	049,051,052,062,063
Sanyo	071
Sanyo	072,096,103
Schneider	017,032,033,034,035,038,039,040,044,084,085,112,128
Sharp	005,030,116
Sherwood	056,074,075,076,077
Siemens	015,017,046,047,111,112,115,117,118,119,120,128
Sony	031,091,105,130,131,133
T+A	037,125
T+A	125
Elektroakustik	
Technics	004,055,064,094
Thomson	018
Universum	034,041,052,061,112,115
Yamaha	023,024,025,080,090

TUNER

Brand	TUNER
Aiwa	006,007,048
Akai	026,077,089
Amstrad	081,093,097,098
Ash	053
Aswo	056
Bush	042
Daewoo	087
Denon	001,002,031,052,074,100
Diora	090
Dual	011,025
Fischer	063
Goldstar	004
Goodmanns	077
Goodmans	042
Grundig	056,058
Harman	084
Kardon	
Hitachi	031,082
ITT	030
JVC	044,073,076
Kenwood	025,066,068,071,075
Linn	101
Luxman	067,103
Marantz	056
Minowa	039
Mission	018
NAD	088
Nakamichi	049
Nokia	040
Noname	042
Okano	079,092
Onkyo	055,069
Palladium	080
Panasonic	001,061
Philips	056
Pioneer	010,013,014,065
Radmor	057
Revox	016
Revox/Studer	056
Rotel	008
Samsung	009,041,078,094,102
Sanyo	022,062

Schneider	004,018,020,021,023,024,028,029,030,032,033,034,037,038,039,042,070,072,080,089,092,093,098
Sharp	003,075
Sherwood	043,085,086
Siemens	004,018,036,037,047,056,077,087,092,095,099
Sinotec	024
Sinotec(Pepsi-Dose)	024
Sony	019,046,050,051
Supertech	042
T+A	035,054
T+A Elektroakustik	054
Technics	017,059,060,091
Thomson	012
Uher	005
Universum	033,077,092,096,102
Yamaha	015,027,045,064,083

AMP (OTHER)

Brand	AMP	LD/ OTH ER
Aiwa	028,128,129	
Akai	018,112,121	
Amstrad	014,034,077,086,145	
ASH	027	
Aswo	043	
Audio Comb1		040
Braun	104	
Bush	032,116	
CD Photo		039
CD Video		038
CDR		041
Daewoo	022	
Denon	020,080,098,131,139	001(L D)
Diora	081	
Disco Vision		003(L D)
Dual	062,124	
Fischer	021,085,134	
Goldstar	029	
Goodmanns	015,018,032	
Grundig	043,142,148	005(L D),043,044,046
Harman Kardon	091	
Hitachi	098	003(L D)
ITT	073	
JBL	068,118	
JVC	067,146,150	
Kenwood	023,062,156	062
Linn	043,148	043
Luxman	099,100,149,152	
Magnavox		046
Marantz	043,148,153	043,044,046
Medion	034	
Meridian	148	043
Minowa	013	
Mission	155	
Mitsubishi		005(L D)

NAD	048	005(L D),047,048,049,050
Naim		043
Nakamichi	069	
Niam	148	
Nokia	072	
Noname	032	
Okano	016,017	
Onkyo	024,125	
Palladium	033,090,133	
Palladium/Okano	143	
Panasonic	136,138,141	
Philips	043,101,140,148,153,154	004(L D),006(LD),043,044,045,046
Pioneer	011,119,148	003(L D),005(LD),043,055
Quad	148	043
Radiola		006(L D)
Radiotone	087	
Radmor	140,153,154	
Revox	089,120	
Revox/Studer	101,153,154	
Rotel	126,127	
Saba	151	
Samsung	010,074,083,092	065
Sansui		044,046
Sanyo	134	
Schneider	012,013,016,019,026,029,032,033,034,035,043,073,075,086,088,096,105,106,107,108,109,110,111,113,114,115,143,144,145,147	
Sharp	132,156	
Sherwood	071,078,079	
Siemens	016,018,019,022,026,029,031,034,043,075,093,094,095,142	
Sinotec	035	
Sinotec(Pepsi-Dose)	035	
Sony	036,117,133	002(L D),007(LD),008(LD),051,052,053,056,057,058,059,060,061
Supertech	032	
T+A	025,103	

T+A	025	
Elektroakustik		
Technics	082,097,135,138	063
Telefunken		005(L D)
Tensai	102	
Thomson	123	064
Thorn		009(L D)
Uher	130	
Universum	010,016,018,084,1 07	
Video CD		037
Yamaha	030,070,076,122	042,0 54,06 6
Others	137	