

**(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, briefly press the **SET** button, bottom right, and then the required appliance button, e.g. **TV**, 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 the code search, briefly press the **SET** button, bottom right, and then additionally the required appliance button, e.g. **TV**, 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

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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.

Prosonic	101,103,108
Protech	115
Provision	108
Pye	026,115
Quartz	045
Quelle	002,026,027,032,033,039,045,053,115,127,135,156
Radialva	099,106,115,140
Radiola	026,115
Rank	102
RCA	094
REX	003,056,102,157
RFT	019,026,099,129
Roadstar	014,021,025,041,099,106,108,145
Royal	099,114
Saba	003,046,056,066,067,081,102,108,131,132,133,134,151,157
Saisho	004,017,041,053,064,098,103,104,111,148,156
Salora	005,045,055,061,120,121,122,141
Samsung	021,073,074,145,163
Samurai	019
Sansui	003,013,057,099,102,104,114,121,143
Sanwa	098
Sanyo	027,044,045,122,140,141,143,149
Saville	017,105,108,145
SBR	026,115
Scan Sonic	145
Schaub Lorenz	002,003,005,033,045,101,102,113,121,122,135
Schneider	002,004,014,019,025,026,034,041,099,101,106,108,115,145
Seaway	108
SEG	021,041,099,108,114,119,145
SEI-Sinudyne	026,098,115
Seleco	003,102,106,142,157
Semivox	103,138
Sentra	019,099,136
Sentron	041
Setron	099
Sharp	010,011,047,106,140,151
Shintom	041,045,099,122
Shivaki	025,106
Shorai	098,148
Siemens	025,032,039,045,050,106,115,122,127,128,150,155,160
Siera	115
Silva	025,106
Silver	108
Sinudyne	026,098,115
Solavox	019
Sonitron	149
Sonneclair	099
Sonoko	014,108
Sonolor	010,140
Sontec	025,106
Sony	018,020,024,070,071,072,075,078,112,121,124,130,161,164
Sound Wave	103,106
Seangyong	099
Standard	014,108
Starlite	106,122
Stern	108
Strong	013
Sunkai	004,103,104,107,108
Sunstar	002,101
Suntronic	002,101
Sunwood	041,099
Supra	106,145
Symphonic	099,101
Taisho	004,098,103,148
Tandberg	032,053,108
Tashiko	002,010,101,106,115,140,145

Tatung	002,003,026,101,102,103,104,105,115,120,140,146
TCM	004,017,038,073
Teac	100,101,102,106,108,115
TEC	019,099,108
Technics	029,031
Technisat	103,104
Teleavia	003,102,131
Telefunken	003,056,057,058,066,067,068,069,080,081,102,108,131,133,134,157
Telemeister	095
Teletech	099,101,108,114
Tenosal	041,099
Tensai	002,025,041,098,099,101,106,114
Tevion	004,017,038,073,103,104
Thomson	003,012,056,057,058,067,080,081,102,132,133,134,157
Thorn	003,045,064,102,106,122
Tivo Hdd	012,078
TMK	087
Tokai	025,041,099,102,106,122
Tokiwa	099
Tonsai	041
Topline	104
Toshiba	003,026,034,056,061,102,115,120,129,138,157
Towada	041,099,114
Towika	041
Triumph	053,156
TVA	019
Uher	025,033,106,135,145
Ultravox	033,108,135
Unitech	021,145
United Quick Star	014,108
Universum	002,005,009,022,025,026,032,039,054,101,103,104,106,114,115,116,121,127,128,129,145
Vector	062
Victor	057,058,142,143
Videoon	004,017,038,073
Video	062
Watson	105,115
Weltblick	025,106
White	085,086
White Westinghouse	033,085,086,135
Xenon	093
Yamishi	041,099,108
Yokan	041,099
Yoko	019,021,025,041,099,106,145
ZX	103

## CBL/SAT/DVB

Brand	SAT	CABLE
Akai	003,125	
Alba	003,004,005,006,007,008,009,102,133,204	
Aldes	007,010,011	
Allantide	015	
Allsat	012,014,055,125,205,206	
Allsonic	010,029	
Ampere	024	
Amstrad	017,018,019,021,023,154,193	
Andover Cablevision		238
Ankaro	010,029,214	
Anttron	004,009,014,206	
Apollo	004	
Arcon	017,024,025,027,056	
Armstrong	021	
ASA	200	
Asat	125	

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
Elicit	001
Electa	121
Electro Tech	010
Elektronska	209
Eiin	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
Fortress	001,002
France Concept	184
Frontech	003,010,020,050,069,119,130,183,184,191,213
Fujitsu	011,021,197,209,212
Funai	003,027,211,212
Galaxi	054,084
Galeria	196
Galway	184
GBC	010,028,132,233,234
GCM	195,212
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
GPM	012,210,212
Graetz	050,142,143,188

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
Gronic	180,191,212
Grundig	009,018,044,092,102,117,118,136,137,185
GTT	187,211
Halifax	003,004
Hampton	004,183,234
Hanseatic	004,008,010,022,027,028,052,074,119,132,142,170
Hantarex	010,124
Harwood	186
HCM	003,004,010,075,121,200,211,234
Hemmerman	183,201
Hifivox	140,204
Higashi	206
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
Hitsu	206,212
Hornymphon	052
Hoshai	012,212,233
Huanyu	004,116
Hygashi	004
Hyper	004,010,130,132,233,234
Hypson	003,004,052,121,170,212,214
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ICE	003,004,010,012,052,069,187,210,212
Imperial	044,050,052,054,084,130,132,187
Indesit	025,102
Indiana	052,170
Ingelen	050,188
Ingersol	010
Inno Hit	004,010,011,012,052,094,124,170,211,222
Innovation	003,010,062,068,069,088,104,108,112,116,155,157,169,172,176,177,178
Interbuy	010,110,130
Interfunk	001,016,050,052,130,140,142,170
Intersound	182
Intervision	003,004,015,110
Irradio	010,012,052,069,170,212
Iskra	183,231
Isukai	012,212
ITC	004,132,184,204,233
ITE	209
ITL	196
ITS	012,052,069,121,212
ITT	010,050,062,133,134,135,142,143,144,188,220
JEC	165
Jet Point	199
JVC	028,052,069,082,189
Kaisui	004,010,012,121,212
Kamosonic	004
Kamp	004
Kapsch	021,050,188,197,200
Karcher	004,010,017,038,170
Kasai	212
Kendo	015,020,029,109,180,183,196,197,198,207,213
Kennedy	021,132,182,197,231
Kennex	182,233,234
Kerion	182,212
Kingsley	004
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Kneissel	175,180,182,196,212
Kolster	052,191,210,214
Konka	012,206

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Korting	001,022
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Koyoda	010
Kronne	180
KTV	004,210
Kuba	186,195
Kuro	122,200
Kyoto	038,217
Lavis	211
Lenco	010,233,234
Lenoir	004,010,196,199,208,211
Lesla	130,191
Leyco	003,011,027,052,170,214
LG	004,010,013,020,052,085,089,094,130,132,150,170,172,210,223
Liesenk	170
Liesenkotter	179,195
Life	003,010,062,068,069,088,104,108,112,116,155,157,169,172,176,177,178
Lifetec	003,010,062,068,069,088,104,108,112,116,155,157,169,172,176,177,178,211,214
Loewe	098,099
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Luma	020,021,052,142,170,197,198
Lumatron	020,021,052,142,170
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Luxor	004,020,048,078,094,102,133,139,142,147
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Magnum	003,010,062,068,069,088,104,108,112,116,155,157,169,172,176,177,178
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Matsushita	066
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Mediator	016,052,170,195
Medion	003,010,062,068,069,088,104,108,112,116,155,157,169,172,176,177,178,211
M-Electronic	004,010,017,019,037,050,052,069,110,111,116,140,170
Memorex	010
Memphis	010,011,114
Metz	001,076,081,136,152,153,218
Micromaxx	003,010,062,068,069,088,104,108,112,116,155,157,169,172,176,177,178
Microstar	003,010,062,068,069,088,104,108,112,116,155,157,169,172,176,177,178
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Minoka	052
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Mivar	004,044,074,094,124,193
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Multitech	004,010,015,020,028,044,046,130,132,170,209,212,233
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National	065,102,194
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New World	012
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Newtech	010,052
Nicamagic	004
Nikkai	003,004,011,012,052,114,165,170,186,205,211,212
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Noblex	184,199,200
Nobilko	004,015,018,044
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Nokia	050,062,064,133,134,135,142,143,144,188,220
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Nordmende	025,037,046,047,050,052,058,112,127,128,140,204
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Roadstar	003,010,012,233,234
Robotron	001,227
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Saba	001,037,046,047,050,059,112,124,127,128,140,142,143,204
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SEG	003,004,015,028,040,044,089,130,132,170
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SEI-Synudyne	001,014,015,027,050,076,124
Seleco	020,021,028,050,109,132,158,197
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Sontec	052,161,170,196,210,220
Sony	010,011,028,030,031,077,107,128,131,166,203
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Thomson	004,023,037,046,047,051,052,053,059,102,103,112,127,128,140,164,167,204
Thorn	011,019,036,038,055,082,096,112,128,142,165,170,232

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Universum	003,017,019,052,084,103,111,115,123,130,132,170
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Adyson	099
Aiwa	001,002,003,004,017,100,101,102,103,104,105,106
Akai	003,005,006,007,008,009,063,102,105,113,121,145,146
Akiba	041,099
Akitan	107
Akura	003,013,041,099,102

Alba	004,014,015,016,017,019,041,099,101,103,104,105,107,108,109,110,111,113
Allorgan	073,145
Allstar	114,115
Ambassador	019
Amstrad	002,022,023,099,101,108,116,117
Anitech	041,099,114
Anitech	091
Ansonic	098
Aristona	115
ASA	025,026,086,106,115
Asuka	002,025,026,041,099,101,106,115,118
Audiosonic	108
AWA	106,108,119,120
Baird	002,003,005,014,027,028,045,101,102,108,121,122,123
Basic Line	004,014,019,041,099,103,108
Baur	026,032
Bestar	014,019,108
Black Panther	108
Black Panther Line	014
Blaupunkt	026,029,030,031,032,039,071,115,125,126,127,128,129,130
Blue Sky	099,103,104,105,106
Bondstec	019,099
Brandt	066,067,102,131,132,133,134
Brinkmann	103,104
Brion vega	033,135
Broksonic	042
Bush	004,014,015,016,017,041,052,099,101,103,104,105,108,109,110,113,136
Canon	137
Carena	103,115
Carrefour	138
Casio	101
Cathay	108
Catron	019
CGE	002,003,101,102
CGM	089
Cimline	004,041,099,103
Clatronic	019,099
Combitech	017,105
Condor	014,019,108
Crown	014,019,041,099,108,114
Daewoo	014,019,034,040,079,103,105,108,138
Dansai	041,099,108
Dansat	143
Daytron	014,108
De Graaf	026,035,115,122,139,140,141,147
Decca	002,003,026,101,102,104,115,142,143
Deltron	108
Denko	099
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Elin	021,145
Elsay	099
Elta	041,099,108
Emerson	053,099,138
ESC	014,108,145
Etzuko	041,099
Ferguson	003,028,039,043,046,057,067,101,102,108,123,133,134,146
Fidelity	002,099,101,116,145
Finlandia	026,035,045,101,115,122,139,140,147
Finlux	002,003,005,026,035,045,050,061,101,115,122,144,147

First Line	004,025,034,035,041,061,099,103,104,106,108,120,136,138,147,148
Fisher	044,045,118,122,141,149,150
Flint	004,103
Formenti-Phoenix	026
Frontech	019,114
Fujitsu	002,101
Funai	002,101
Galaxi	101
Galaxy	002
GBC	019,041
GEC	026,115
Geloso	041
General	019
General Technic	004,017,038,073,104
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Goldhand	041,099
Goldstar	002,025,101,106
Goodmans	002,014,019,021,025,028,041,047,048,099,101,103,104,106,108,115,129,136,145,151,152
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Graetz	003,033,045,102,122,135,145
Granada	010,026,035,039,045,049,101,106,115,122,127,140,141,145,147
Grandin	002,014,019,025,041,099,101,103,106,108
Grundig	026,029,032,039,041,050,051,052,054,084,104,115,127,128,129,133,153,154,155
Hanimex	105,107
Hanseatic	025,026,103,106,108,115
Harwood	099
HCM	041,052,099,114
Hinari	004,017,041,052,053,098,099,102,103,105,108,114,136,148,152,156
Hisawa	004,103,105
Hitachi	002,003,026,035,037,098,101,102,112,122,129,139,144,145,147
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Hypson	004,041,099,103,105,108
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Imperial	002,101,145
Ingersoll	098,103,145
Inno Hit	014,019,021,026,041,099,108,114,145
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Interbuy	025,099,106
Interfunk	026,045,115,122
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ITV	014,025,106,108
JVC	003,056,057,058,059,060,102,132,142,143,157
Kaisui	041,099
Karcher	026,108
Kendo	004,005,006,014,019,034,063,099,103,104,106,113,121,146
Kenwood	003,102,118
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Kneissel	103,104,105,106
Korpel	041,099
Kuba	149
Kyoto	099
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Luxor	005,045,047,061,099,120,121,122,140,141,149,151
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Magnasonic	045
Magnavox	115,129
Manesth	034,041,099,103,115,138
Marantz	026,039,047,062,103,107,115,118,127,151,160
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Marquant	114
Maspro	162
Matsui	004,017,025,053,064,098,101,103,104,105,106,107,111,117,145,148,156
Mediator	026,115
Medion	004,017,038,073,103,104,105
Meletronic	101,108,118
Memorex	002,010,025,044,045,101,106,122,140,141,149
Memphis	041,099
Metz	030,031,032,039,084,115,125,126,127,128,153,158,159
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Micromaxx	004,017,038,073,103
Microstar	004,017,038,073
Migros	002,101
Minerva	032,039,128
Mitsubishi	002,026,057,061,115,119,120,143,162
Multitech	002,019,026,041,099,101,114,122
Murphy	002,101
NAD	096,122
National	029,031,126
NEC	003,057,062,102,106,118,122,143
Neckermann	003,026,033,053,102,115,127,135,156
NEI	026
Nesco	041,099,101,105
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Nikkai	019,065,099,108
Nobiliko	083,097
Nokia	003,005,010,021,033,045,055,102,108,113,115,121,122,135,140,141,145,147
Nordmende	003,056,057,066,067,102,131,133,134,143,157
Oceanic	002,003,010,101,102,115,121,122,140,141
Okano	004,063,099,103,104,108,113,114
Orion	004,015,017,048,053,064,098,103,104,105,107,109,110,148,152,156
Orson	002,101
Osaki	002,025,041,099,101,106
Osume	136
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Otto Versand	026,032,115
Palladium	003,025,039,041,063,098,099,102,103,106,113,127,145
Palsonic	099,101
Panasonic	029,030,031,038,076,125,126,158,159
Pathe Cinema	064,098,120
Pathe Marconi	003,102
Pentax	035
Penney	062
Perdio	002,101,103
Philco	062,099,118
Philips	012,026,039,054,056,077,115,127,129,160
Phonola	026,115
Pioneer	026,057,115,143,147
Portland	014,019,108
Prinz	002,101,148
Profex	041,114
Profitronic	115,145
Proline	002,052,101,133,134,136
Proscio	108



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### 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
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Agazl	003
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Aiko	004,005,010
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Akai	007,009,010,011,012,052,062,069,070,071,134,142,170,206,221
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Akiba	012,212
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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

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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
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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
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City	010
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Clatronic	003,004,010,012,031,044,052,084,130,206,212,214
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Continental Edison	023,037,046,047,112,127,140
Cosmel	010
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Crown	010,044,052,054,084,115,122,170,228
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Sharp	132,156	
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Siemens	016,018,019,022,026, 029,031,034,043,075, 093,094,095,142	
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Sony	036,117,133	002(LD),007(LD), 008(LD),051 , 052,053,056,05 7,058,059,060, 061
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T+A	025,103	
T+A	025	
Elektroakustik		
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Microstar	029,085,095,137,153,156, 157,214,215, 216,217,218,219	
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On Digital	186,202,210,229,230	
Optex	052,055	
Orbit	015,036	
Orbitech	004,103	
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Pace	005,012,014,040,045,064, 074,099,107,112,130,154, 186,189,191,195,204,205, 206,207,208,209,210,211, 212,213,222	
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Panasonic	005,045,154,183,195,204	
Panda	005,012,196,204,205	
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Priesner	021	
Profi	094	
Promax	005	
Prosat	006,007,010,102,133	
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Proton	015	
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Quadral	007,010,029	
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Samsung	004,027,078,203	252
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Thorn	005,012,014,045,064,066,195,204	
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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
Akal	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

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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

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
Goodmans	001
Goodmans	033
Grundig	017,021,026
Harman Kardon	057,092
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

## 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

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vivanco

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 Kardon	084
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
Phillips	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	054
Elektroakustik	
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/OTHER
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(LD)
Diora	081	
Disco Vision		003(LD)
Dual	062,124	
Fischer	021,085,134	
Goldstar	029	
Goodmanns	015,018,032	
Grundig	043,142,148	005(LD),043,044,046
Harman Kardon	091	
Hitachi	098	003(LD)
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(LD)
NAD	048	005(LD),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(LD),006(LD),043,044,045,046
Pioneer	011,119,148	003(LD),005(LD),043,055
Quad	148	043
Radiola		006(LD)
Radiotone	087	
Radmor	140,153,154	
Revox	089,120	
Revox/Studer	101,153,154	
Rotel	126,127	

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AST	036	
Aston	164	
Astra	003,021,030,031,032,033, 034,093,196	
Astro	009,011,029,040,041,042	
Audioton	009,055	
Aura	034	
Austar	092,193,212	
Axis	017,029,033,050	
Barcom	025,196	
Beko	204	
Best	025,029,214	
Blaupunkt	040	
Boca	021,093	
Brain Wave	044	
Brandt	136,137,138,145	
Broadcast	043	
Brunor	126	
Bskyb	154	
Bt Cable		240
BT Satellite	003,022,145	
Bush	005,006,012,045,102,133, 195,205,206	
Cabletime		241,242,243 ,244
Cambridge	003,046	
Camundosat	047	
Canal Satellite	203,222	
Canal+	140,174,222	
Channel master	007	
Chaparral	098	
Citycom	005,052	
Clatronic	044	
Clemens Kamphus	015,083	
Clyde Cablevision		245
CNT	011	
Columbus	069	
Commlink	010	
Comtech	050,051	
Condor	029	
Connexions	039,047,048	
Conrad	197	
Contec	050,052	
Cosat	055	
Crown	021	
Cryptovision	204	246
D Box-Df1	135,227,230	
Daeryung	039	
Dansat	012,014,205,206	
D-Box	194,198	
DDC	007	
Decca	053	
Delega	007	
Delfa	193	
DEW	050	
Diamond	054	
Diskxpress	025,048	
Ditristrad	055	
DNT	039,125	
Dong Woo	092	
Drake	056,128	
Dynasat	031	
Echostar	026,039,057,058,060,073, 149,150,151, 156,203,232	
EEC	015	
Einhell	004,010,015,019,021	
Elekta	011	
Elrad	226	
Elta	004,008,029,055,125	
Emanon	004	
Emme Esse	029,031,045,083,195,223	

Ep Sat	005,204	
Eurocrypt	196,204	
Eurodec	062,063	
Europa	022,193	
Eurosat	021	
Eurosky	021,029,031	
Eurospace	061	
Eurostar	008,021,080	
Exator	003,004,009	
Ferguson	005,012,014,045,062,064, 065,066,195, 204,205,206,207	
Fidelity	017,019	
Filmnet	226	
Filmnet Cablecrypt		247
Filmnet Comcrypt		247
Finlandia	005,196,204	
Finlux	003,005,030,067,072,079, 196,197,204	
Finnsat	050,062	
Force	148	
Foxtel	211,212	
Fracarro	133,223	
France Satellite/TV	069	
France Telecom	225	
Freecom	004,068	
FTE	022,024,051,087	
Fuba	004,025,029,032,039,040, 069,072,122, 125,196,197,199,214	
Galaxi	025	
Galaxis	010,029,033,050,055,070, 076,152,153, 192,193,203,234	
GEC		245
GMI	021	
Goldbox	203	
Goldbox-D+	222,233	
Goldstar	068	
Gooding	075	
Goodmans	005,074,204	
Granada	030,196	
Grothusen	004,068	
Grundig	005,009,040,045,075,077, 086,124,154, 195	017,075
G-Sat	014,015,206	
Hanseatic	095	
Hantor	004,044,092	
Hanuri	011	
Harting Und Helling	015	
Heliocom	024	
High Performance	082	
Hinari	007,008,014,206	
Hirschmann	015,039,040,078,079,080, 083,122,129, 178,179,180,181,197,200	
Hisawa	044	
Hitachi	005,045,115,195,204	
Houston	055	
Humax	152,192,193,234	
Huth	010,013,021,043,044,050, 055,083	
Imperial	102,133	
Innovation	029,085,095,153,156,157, 214,215,216, 217	
Intertronic	021	
Intervision	055	
Italtel-Stream	223,224	