

UNIVERSAL REMOTE CONTROL CODE LIST FOR UR 12

Brand/Device	TV	VCR	AUX	SAT
A.R.SYSTEMS	102,154,156			
ACCENT	167,167	261,263		
ACTION	167			
ADMIRAL	133,167,216,232,233,245,247,242,744	278		
AFREEV			768(DVD)	
AGASHI	102,105	250,283		
AIKO	155,167,177			
AIM	101,102,103,165,156,169,188,226			
AIOSTAY	167,230	251		
AIWA	504,660,717	261,263,280,578,591,660	586,589,628(DVD), 601, 666,612(HIFI), 843(DVD)	404
AKAI	102,103,105,110,130,155,164,167,169,176,177,188,192,207,209,210,227,229,230,231,245,248,304,550,698	254,252,253,254,256,265,275,282,285,287,288,290,908	296(TV),593(DVD), 628(DVD),641(DVD), 806,616(HIFI), 865(DVD),882(DVD)	319,350,916
AKI	155			
AKIBA		293		
AKIRA	101,104			
AKURA	101,102,167,177,167,227,229			
ALBA	102,177,230,501			333,234,335,338
ALBIRAL	102,105,149,154,156,181,192,167,205,210,230	250		
ALDES			365	
ALHORI	155			
ALLOGRAN	155,220,223,544			
ALLSAT				315,377
ALLSONIC				365
AMPLIVISION	155,156			
AMSTRAD	105,167,167,168,233,497	261		343,361,369,371,411, 936
ANEX	102			
ANGLO	187	261		
ANKARO				338,365
ANTEC		252,283		
ANTECH	102,105,127,167,205,210,234			
ANSONIC	102			
ANTEGNO	177			
APEX			601(DVD)	
APHEL SOUND		261		
ARCENCIEL> THOMSON				
ARCELIK	102,115,191,200,230,239,242,403,487,585		784,794,797,810,817,862(DVD),867(DVD), 874(DVD)	936
ARCON				361,382
ARDEM	483			
ARISTONA > PHILIPS				
ART TECH	102,167,209	262		
ASA	114,124,125,131,132,136,218,231	252,261,289	298,299(AUX)	323,326
ASBERG	102,105,127,207			
ASHIN				361
ASIASAT				410,442
ASSAHI			859 (DVD)	947
AST				341,353,493

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Brand/Device	TV	VCR	AUX	SAT
ASTELINK				413
ASTHON	102			
ASTON	475			377,763
ASTRA	102,105,156,164,167,230,465,477,696,697,716	261		353,384
ASTRO				322,376
ASTRO SOUND	102,156,205,210,230			
ASUKA	177,230	283,289		
ATARI	465			
ATALANTA				407
ATLANTA				305,394,426,691,911,917
ATLANTIC	102,107,115,234,544	250,278,289		
ATORO	167			
AUDIO DYN.			276	
AUDIO STAR	177,465			
AUDIOSONIC	102,105,115,149,154,155,167,177,187,205,215,221,403,551,733	283,289	831(DVD)	
AUDIOSTAR	177,465			
AUDIOTON	155,167,177,234,465			
AURORA	133,155,167,169			
AUSIND	121			
AUTHENTIC			290	
AUTOVOX	102,124,129,130,151,155,167,169,209,220,223,500,544,645,685,744	252,269		
AUVISAT	734			
AWA	102,105,155,161,167,169,209	250,265		
AWATRON		261		
BAFF				415
BAFTEC				878
BAIRD	209,236	278,279,290		
BANG & OLUFSEN	102,105,133	250,252,290		
BARCO	133,144,145,147,181,182,184,230,235			
BARCOM				329
BARID			278	
BASIC LINE	102,177,220,223,224,465,727			
BAUER-BOSCH		252,253,254,255		
BAUR	101,102,104,105,110,111,112,156,159,167,220,222,223,227,246,723	250,253,254,255,267	296 (PIP)	319,320
BAZIN		156,155,221		
BEALIEU			262	
BEKO	102,105,115,191,200,221,230,239,242,244,249,403,478,487,585,720,733		720,784,794,797,810,817,862(DVD), 867(DVD),874(DVD)	474,488,524,535
BEKOTEKNIK	106			
BENJAMIN				405,441,444,539,542,559,689,690,944,972
BEON	207			431
BERTONE			689(DVD)	
BESAT				541
BEST				322,339
BIFONIC	155,167			
SIGSTON	167,169,187			

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Brand/Device	TV	VCR	AUX	SAT
BLAUPUNKT	110,111,112,113,117,119, 154,161,171,173,176,454, 493,551	250,253,254,255, 250,904,905	304(TL.V),296(PIP)	319,322
BLAUSONIC	155			
BLUE STAR	230			
BLUESKY	102,727,734			374 687
BOTTEC				
BONDSTEC		283		
BOSCH > BLAUPUNKT				
BOSCHMANN			863(DVD)	
BOTECH				564,566,673
BOTS			967(HIFI),968(HIFI), 969(HIFI)	
BRAIN WAVE				374
BRANDT-THOMSON				
BRAUN		260		
BRENDSTAR	167			
BRIONVEGA	102,103,133,135,136,144, 152,153,202,232,233,503, 509,721	252,272,278,290		
BRITANNIA	102,155,228			
BROTHER	187,477,708			
BRUNOR				337
BRUNS	133,203,205,210,227	283		365
BSR	221,226,497,501,546			
BUSH (YAKI)	222,229,230,465	283		333,338
C. EDISON		272,290		
CALIBER			416,454,623,527,563,572	
CAMBRIDGE			365,367	
CAMPER	221			
CANAL +				398
CANON		255,260		
CAPSONIC	102,187			
CARTEL	855			
CASIO	109,103	261,285		
CSH	127			
CENTURY	133,149			
CGE	102,105,115,127,143,149, 167,172,177,207,221,229, 230,234,247,741	250,261,278,290	305(VT)	
CGM	102,105,115,167,187,403, 465,592	278,289		
CH. MASTER				334
CHAPARRAL				373
CHEROKEE			368,653,940	
CIE	167,169,177,546	284		
CIHAN	102,105,221,230			
COMLINE		283		
CITIZEN		289		
CITY COM				364,379
CLARION			820(DVD)	
CLARIVOX	102,105,126,133,149,154, 156,203,214,215	250,255		
CLATRONIC	490			
CPREMIER			669(VCD)	
CORADEL	147,191,197,201			
COLUMBUS				368
COMPACT			461	

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**UNIVERSAL REMOTE CONTROL CODE LIST FOR UR 12**

Brand/Device	TV	VCR	AUX	SAT
COMPUTRON	102,105,167,188,231,512			
CONCORDE	167	250		
CONCRYPT			461	
CONDOR	102,105,127,167,167,205, 207,210,234,736	250,278		753
CONIC	164	250		
CONRAD	727			
CONNEXION CX				340,358,359,390
CONTEC	155,157,161,167,187,846			
CONTI	102,105			
CONTIN. FR	102,512			
CONTIN. EDISON	137,146,147,174,191,192, 197,200,201,543	272,290		
CORVUS		261		
COSHIP				936,937
COSMEL	167,215			
COSMOS/TOKAI	102,167			
CROSWLEY	116,127,133,143,149,172, 225	272	302(VT)	
CROWN/NWA SAKY	102,106,115,116,127,167, 177,187,188,207,403,465, 532	261,272,283		
CRYSTAL	102			
CS ELECTR.	177			
CTC CLATRONIC.	102,115,127,149,155,177, 187,205,207,210,480			
CURTIS	105			
CYS			881(DVD)	917
CYBER HOME			768(DVD)	
CYFEA PLUS				398
CYMATIC	154,155,221,230			
D-VISION	102			
DAEWOO	102,103,105,149,151,155, 167,169,177,209,216,466, 551,764,705	250,251,704,902, 903	613(DVD),637(DVD), 638(DVD),666, 844(DVD)	
DANSAI	164,187	283		
DAUHLING				452
DAWA	102,105			
DAYTE				418,424
ODC				334
DE GRAAF	222	252,261,278		
DECCA	102,104,105,154,155,160, 204,209	250,252,259,261, 264,290		
DELTA			650(DVD)	
DEMA COLOR		278		
DENON			622(DVD),623(DVD), 640(DVD),834(DVD), 844(DVD)	
DENVER	102,167			
DESMET	102,105,154,167,230,234	250		
DIAMOND	167,169			
DIGLINE	102			926
DIGISTAR				777
DIGITURK				100,481
DJUTURK			863(DVD)	915
DIORA				918,931,912
DISCOVERY				315
DISISTRAD				

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Brand/Device	TV	VCR	AUX	SAT
DISK EXPR				333,339
DIVITONE				921
DIXI	167			
DNT			318	
DOMEOS	102,702			
DOMOH	102	289		
DONATEC			358,372	
DORIC	121,235,741			
DRAKE			372	
DUAL	101,102,105,108,114,149, 155,167,220,223,227,229, 230,233,283,497	250,252,261,290		
DUAL-TEC	101,102,105,108,114,149, 155,167,220,223,227,229, 230,233,497,551,701,702, 723	250,252,261,290		
DUMONT	102,105,114,125,127,131, 132,133,171,205,207,210, 235	250,252,261,278	298(PA),299(AUX)	323,326
DUX	102,105			
DVD			391(DVD)	
DYNAMIC	167			
DYNASAT				384,947
DYNATECH		281		
DYNISTY	102,169			
ECHOSTAR			355,368,380,381,390,432, 446,580,745,958	
EDAN LINE	102,238	278		
EDAN LINE > FORMENTI				
EDISON		283		
ELECTRO TECH	167			
ELBE	109,154,155,156,161,197, 202,220,232,233,235,245, 247,555,726	261,276,278,289		
ELEKTA		903		
ELEKTRONSKA	154,230			
ELIN	102,105,114,155,167,227, 231	282,250		350
ELITE	171,234,742			
ELMAN	205,210,230,497			
ELSA			923	
ELTA	180	261,283	538(DVD),599(DVD)	
ELTA SAT			377	
ELTAX		845(DVD)		
EMERSON	102,105,106,115,125,127, 131,133,149,155,167,205, 210,230,234	250,261,278,289	602(DVD)	
EMME ESSE			364,365,382,745	
ENGEI	203,230			
EROSAT			421	
ESSELTYE		261,283		
ETRON	167,188,513			
EUMIG		278		
EURIULT			385,386	
EUROCOM	230			
EUROLINE	732			
EUROGRAFF			521	
EUROMAN	102,105,116,155	250		

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Brand/Device	TV	VCR	AUX	SAT
EUROPHON	149,154,155,205,210,213, 230			
EUROSAT				377,421
EVERESE			861(DVD)	
EXCEL		278		
EXPER				410
EXPERT	107,198,220			
FAGOR	230,457			
FAIR VIDEO		289		
FAIT				364,390
FALCON	167			
FENNER	102,105,167,169	250,263		
FIDELIS	102,105,155,164,167	350		
FIDELITY	146,149,185,164,177,186, 168,200,220,223,228,230	261,275,283		371
FILMNET			461	315
FILSAT	155,167			
FINEPASS				957
FINLANDIA	221,222	252,278		
FINLUX	102,105,114,121,124,125, 131,132,151,154,167,265, 207,209,210,227,231,235, 283,289	290,292,260,261, 271,278,278,282, 511,550,699	298(PA),299(AUX)	323,334,336,350
FIRST LINE		261,264,283,289		
FISHER	106,114,133,155,157,161, 162,163,166,203,220,224, 235,236,245,723	278	597(DVD)	
FLINT	102,216,726			
FM				377
FOBEM				406,525
FOCUS				569,930
FORMENTI	102,105,115,121,127,133, 154,155,167,171,187,205, 207,210,221,230,234,235, 497	250,252,272,276, 269		
FORMENTI > PHOENIX				
FORTRESS	133			
FORTEC STAR				941
FRABA	102			
FRA CARRO				345,347,364
FRAU HOLLE				452
FRONTECH	102,149,151,155,164,167, 222,230,497			
FTE				370,392,388
FUBA				322,339,343,355,368,386, 390,391
FULISAT				952
FULITEC	102		668(VCD),671(VCD)	
FUJITSU	102,106,132,155,164,177, 205,210,226,233,244,245	261		
FUJIYAMA			820(DVD)	946
FUMEO	225			
FUNAI	161,167,187,546	261,283		
G SAT				331,354
GALACTEX	155,167			
GALAXI	102,128			

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## UNIVERSAL REMOTE CONTROL CODE LIST FOR UR 12

Brand/Device	TV	VCR	AUX	SAT
GALAXIS	102,115,125,207			365,377,398
GALAXY	110,115,125,127,155,205,207,210			
GALERIA	167			
GAMAJA				538
GBC	102,105,149,161,167,169,177,188,209,216,230,235,485	250,271,283,903		
GE	290	290		
GEBER	220,223,224	272		
GEC	141,164,155,161,209,220,221,222,235,547	252,272,283		
CEMA				444
GELESO	149,154,167,169,177,218,230,233	271,283		
GENERAL STAR	483			
GENERAL TECHNIC	167			
GENERAL		255,261,283		
GIANT	102,105,155,195,495			
GITEM	102,105,111,112,191,200,224,225			
GI	102,187,187		407	
GHS	102,187,187,207		407,426	
GMI			525	
GOLD			398	
GOLDBOX			387,394	
GOLDEN CABLE				
GOLDFUNK	532			
GOLDHAND		283		
GOLDMASTER			682,685,760,925	
GOLDMEDAL		261,283		
GOLDSTAR	102,105,108,117,123,151,155,164,167,206,211,222,226,230,463,533,702,730,735	250,263,261,276,283	309,848(DVD), 856(DVD)	322,363
GOODING	512	802		
GOODMANS	102,103,105,155,161,167,169,177,188,200,230,478,532,551	261,264,283	841(DVD)	
GORENJE	102,106,115,116,220,223			
GO-VIDEO			625(DVD) 630(DVD)	
GPM	177,167			
GR 15		283		
GRAETZ (ITT)	478,699,720,733	272,278,290		
GRANADA	102,105,128,154,155,161,176,184,195,221,222,228,235,239,246,289,495,553,712	250,252,255,260,262,264,272,275,276,290		
GRANDIN	102,198,220,230,234,235,726	272,283,288		
GREAT WALL	187,215,216			
GRENADIER	102,167,230,463			
GRONIC	102,105,155,167,203,205,210,239	250		
GROTHUSEN				363

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## UNIVERSAL REMOTE CONTROL CODE LIST FOR UR 12

Brand/Device	TV	VCR	AUX	SAT
GRUNDIG	102,103,105,110,111,112,113,117,126,128,167,234,512,849,551,722,905	250,251,253,254,265,905	296(VL),297(AV), 612(DVD),837(DVD), 857(DVD),948,949, 951(DVD),953(DVD), 958(DVD),962(DVD)	319,320,322,750
GTT	102,167,207,465			
GURUNDIG			887(DVD)	
H. KARDOM		276	595(DVD) 644(DVD)	
HAMERSTEIN	155,168,187,189			
HAMPTON	155,235			
HANIMEX	177			
HANSEATIC	101,102,111,112,154,155,161,167,220,222,223,227,234,235,546,551,705,730	250,252,253,254,272,276,283,288		320
HANTAREX	102,154,167	252,289		
HARMON			595(DVD),644(DVD)	
HARMON KARDON			648(DVD)	
HARWARD				823
HAUPPAUGE				769
HCM	155,167,180,230,465	283		
HELJOCOM				347
HEMMERMANN	155,199,205,210,220,223			
HERZ				923
HEXA	214,230			
HI FI VOX-THOMSON				
HIGASHI	155			
HILINE	167,187,188			
HINARI	102,160,164,167	283		331,334
HIRSCHMANN				322,324,362
HISWISIE	222,236			
HISONIC	166			
HITACHI	103,155,161,164,192,197,206,220,221,222,223,230,231,235,242,243,244,496,506,547,548,550,851,705,724,741	250,261,262,272,291,282,290	311(TLV),608(DVD), 627(DVD),635(DVD), 636(DVD),840(DVD), 847(DVD),850(DVD)	350
HITEMER			851(DVD),852(DVD)	
HIV		283,290		
HOSHAI	465			
HUMAX				668,762,770
HUNTER	592			
HUTH				365
HVALIN				422
HYPFER	102,151,155,167,170,177,188,221,230,485,496	260,288		
HYPSON	102,105,167,187	250		385,386
HYUNDAI	102,105,531,709			577,755
IBERVISAO	220,223,230			
ICE	177,187,188			
ICX				300,329
ID DIGITAL				762
IEG	155			
IEG	102,103,105,167,177,187,477			
IMPERIAL	102,105,115,127,143,149,172,167,207,221,229,230,237	250,261,278,286	305(VT)	333,336
INDESIT	193			

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INF. REM. CONTR	511			
INNO HIT	102,105,123,149,154,155, 164,167,177,188,209,235, 465	252,272,283,286, 903		
INTEGRA			603(DVD)	
INTERBUY	151	283		
INTERDISCOUNT	102,158,181,192,200			
INTERFUNK	101,102,105,123,136,149, 154,155,164,167,173,177, 184,188,191,207,209,220, 223,224,227,235	250,252,272		
INTERMIL			445	
INTERSAT			456,520,540,776	
INTERVIDEO		261,289		
INTERVISION	102,149,151,155,205,210, 211,212,230	250,261,276,283		
IRRADIO	102,105,121,123,126,151, 164,167,177,187,188,230, 532,551,727	250,252,278,283, 289	841(DVD),853(DVD), 872(DVD)	
ISKRA	154,155,205,210,230,403			
ITALTEL			745	
ITC	155,230			
ITL	102,187			
ITT SCHAUB LORENZ	102,167,220,223,230,235, 290			
ITT/NOKIA	101,102,105,107,114,115, 131,167,169,177,207,217, 220,221,222,223,234,237, 228,230,231,232,235,236, 245,405,491,511,532,544, 550,698,727	250,262,264,265, 272,275,278,282, 285,289,290,698	837(DVD),841(DVD)	317,324,350,352,353,355, 356,398,491,774,775
JASON		289		
JEEMON			377	
JENSEN		280		
JERROLD			300,395	
JET POINT	102,169	252		
JINLIJU	167			
JOHANSSON			374,363	
JOHNSON	155			
JSR			377	
JVC	156,161,166,188,189,514, 515,551,706	290, 779,900	638(DVD),638(DVD) 786,789,801(HiFi), 813,833(DVD), 859(DVD)	
K. MART		289		
KAISER	102	252		
KAISUI	102,155,167,177,207,216, 455,698,729	283		
KAMAR	186	262		
KAMBROOK	102,155,167,192,211	252,261		
KAMOSONIC	155			
KANSAI		261,283		
KAPSCH	107,114,235,544	272		
KARCHER	102,105,106,118,152,155, 156,167,215,221,222,265	250		
KARDON	544,545,695		595(DVD)	
KATHREIN			322,384,375,376,384	
KAUASONIC	592			

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Brand/Device	TV	VCR	AUX	SAT
KAWAI			688,662(VCD), 666(DVD),667(VCD), 669(VCD),670(VCD), 671(VCD),811(HiFi), 857(DVD),871(DVD)	
KELVINATOR	206			
KENDO	102,105,108,149,155,167, 202,205,210,218,226,232, 233,235,247,244,545,695	284		
KENNDY > SELECO				
KENWEDY	108,149,191,202,226,233, 235,247,544,545,695	500,908		
KENNEX	102,532,727			398
KENWOOD		276,278,290	314(CD),594(DVD), 834(DVD),854(DVD), 855(DVD)	398
KERION	102,105			
KIC	155			
KIDTA	187			
KITT	155,187			
KIVOGIN	102			
KLARMAX	154,155,156,181,182,184, 221,230			
KNEISSEL	102,109,157,247,503,551, 726			
KOBIC	167	271		
KOENIG	234,235	271,286		
KOERTING	102,106,133,141,220,223, 234	260,252		
KOLSTER	102,105,149,151,155,156, 205,210,230	250		
KONKA	575,583		614(DVD),615(DVD), 618(DVD),620(DVD)	
KONTAKT	512			
KOSMOS				363,375
KOTA				317
KOTRON	187			
KREISELMAYER				322
KRONNE	155,230	276 283		
KTV				
KUBA ELETRONIC	723	253,254,260,261, 278,289,290		
KUWA KYOTO	154,155,230	290		407,410,412,460,571,576, 673,679,754,934
LANDPORT		289		
LASAT				413,423,451
LAVIS	154	263		
LEADER	167,716		966(DVD)	929
LEGEND	102,105,155,167,187,215			398,745
LENCO	102,105,169,205,210,227, 532,727	263	699(DVD)	363
LENG				374
LENOIR	102,105,155,167,169,220, 223,485,727	250,278,289		
LEYCO	102,187,209,497,546	250,283		
LG	720		625(DVD),720, 888(DVD)	
LIESENKOTTER	102,171	252	304(TLV)	

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UNIVERSAL REMOTE CONTROL CODE LIST FOR UR 12				
Brand/Device	TV	VCR	AUX	SAT
LIFE	167	252	304(TLV)	
LIFETEC	727			
LLOYD		261		
LLOYD'S	128,155,187,187,235	261,290		
LOEWE	220	250		
LOEWE OPTA	101,102,104,114,133,135, 136,154,155	250,252,255,289	857(DVD)	
LOGIK	148,160,186	258,265		
LORENZEN INC.				423,480,451,452,453,454, 455,456,457,458
LOWE			612(DVD),837(DVD), 887(DVD),899(DVD), 909(DVD)	
LUMA	175,218,226,233,544,727, 742			
LUMATRON	102,727			
LUXMAN			849(DVD)	
LUXON		261,283		
LUXOR	123,151,155,206,221,222, 223,227,231,235,236,507, 699	272,276,278,282, 291	293	323,328,350,351,352,353, 354,355,356
M. ELECTRONIC	101,102,105,114,117,123, 125,131,132,133,140,151, 154,167,168,174,202,205, 207,210,218,220,222,230, 231,235,550,551,702,723, 730,732	250,261,262,276, 282,283,289	296(PA),299(AUX)	320,325
MAAZ	181,182,184			
MACTH-ITALIA	102			
MAGNADYNE	102,105,110,133,149,154, 167,205,207,210,218,220, 223,230,235	250,252,271,272, 278,289,290		
MAGNASONIC	102,105	278,290		
MAGNAVOX			612(DVD),632(DVD)	
MAGNAFON	102,121,125,154,155,205, 210,235	272		
MAGNEX	102			
MAGNUM				415,447,448
MANESTH	102,221,224,227,230,234, 238	251,263		
MANHATTAN	502		841(DVD)	377,425,447,448,449,556
MARANTZ	102,105	252,255,264,289	292,632(DVD), 837(DVD),849(DVD)	315
MARANTZ > PHILIPS				
MARECH	234			
MARK	403			
MARTA		289		
MASCOT	149			
MASPRO				384,389
MASTER			675(MIFI)	
MATAV				375,387,384
MATCH-ITALIA	102,167			
MATSUI	102,133,155,160,167,187, 220,221,222,223,230,235, 237,497,501,512,537	259,272,284	641(DVD),887(DVD)	
MATSIKA	155,167,501			
MAXAM	155,167,187	263		
MAXELL	167	283		
MAXIMAL		276		

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UNIVERSAL REMOTE CONTROL CODE LIST FOR UR 12				
Brand/Device	TV	VCR	AUX	SAT
MAXWELL	102,154,182,184,205,210	250		
MCE	167	250		
MEDIABOX				358
MEDIASAT				358
MEDION	739			
MEGA	102,103			315,482,758
MEMOREX		261,278,289		
MEMPHIS	215	283		346,373
MERCURY	155,167,187,289			
METRONIC				324,373
METZ	110,111,112,117,118,119, 136,139,140,532,536,727, 738	253,254,255	206(VTL)	319,320,322
MGA	101,169,177,187			
MICO			974(DVD),976(DVD), 976(DVD),977(DVD), 978(DVD),979(DVD), 980(DVD),981(DVD), 982(DVD),983(DVD), 984(DVD)	
MICRON	155			
MINERVA	110,111,112,117,128,174,5 12			
MINERVA-GRUNDIG				
MINISAT 1				540,756
MINOLTA		262,290		
MINTON				953
MISC		263	858(DVD)	
MISON	154			
MITSUBISHI	101,110,133,136,160,161, 167,168,195,495,499,551	250,253,254,259, 291,607	296(VTL),639(DVD)	318,322
MIVAR	109,120,122,123,150,154, 155,397			
M-NET			461,489	339,409
MONEXE		261		
MORGAN				361
MTC	115,230	261		
MULTICHORCE (SUNMOON)				440,470
MULTISTAR				375
MULTITECH	101,102,106,140,151,154, 155,160,161,167,177,180, 187,205,210,230,465,478	250,252,261,283		
MURATO				363
MURPHY	121,155,221,229,230,235	261,272		
MUSTEK			606(DVD)	
NAD			610(DVD),838(DVD)	
NAGEL	142			
NAGOTA	221			
NAKAMICHI			631(DVD),823(DVD)	
NAKAMURA		261		
NAKASHI	102			
NAMSONIC	167			
NAMSUNG	167			
NARITA	168			
NATIONAL				
PANASONIC				

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## UNIVERSAL REMOTE CONTROL CODE LIST FOR UR 12

Brand/Device	TV	VCR	AUX	SAT
NEC	156,160,161,167,169,216,454	259,276,290		357,350
NECKERMANN	102,103,105,111,112,115,117,136,155,168,159,171,173,202,218,221,222,234,533,546,551,732	250,251,252,253,255,256,257,272,276,286,290	304(TLV)	329
NECOLA		289		
NECSTAR	592		718(VCD)	
NEI	102,105,215,221,230	250,252		
NESCO		261		
NETA			400,401,435,437,586,970	
NETWORK			331	
NEWMAR	155,221,230			
NEWTECH	102,155	250		
NEWYORK			419	
NEXT	741		395,420,518,519,521,560,604,650,923	
NEXTSTAR			753	
NEXTWAVE			395,517,539,652,942	
NIKKAI	155,164,187,205	289		
NIKKI	102,105,532,727			
NIKKO	102,105,215		85(DVD),954(VCD)	
NIVA				
NOBLEX	161,162,163,166,167,168,169			
NOBLIKO	121,125,127,129,149,155,205,210			
NOKIA			324,392,353,355	
NOKIA-TT NOKIA				
NORDMENDE	134,146,147,191,192,197,200,219,235,502,729	263,266,267,268,269,271,273,274,290,899,500	311(TLV)	
NORDWAY	229			
NORTEK	102,551			
NOVA (YENICAG)			436,574,556	
NOVATRONIC	102,157,169,187			
O.GENERAL	161,167			
OCEANIC (ITT)	194,198,217,220,221,222,224,225,227,231,235,236,550	262,264,272,278,279		350
OCTAL	155			
OKANO	115	283		375
OLYMPIC	167			365
OLYMPUS		260		
OMEGA		261		
ONCEAS	149,155,167			
ONIDA	105			
ONKYO			742(CD),802,802(DVD),824(DVD)	
ONWA	187,188,207,658			
OPENTE			930	
OPTEX			374,377,379,386	
OPTIMUS			628(DVD),646(DVD)	
ORAVA/OTF	102,167			
ORAVA SLOW	102,133,230			
ORAVADTF	102,167	250		315
ORBIT				342
ORIENT	102,167,476,865		762,803,910,895(HIFI),893(DVD)	943

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## UNIVERSAL REMOTE CONTROL CODE LIST FOR UR 12

Brand/Device	TV	VCR	AUX	SAT
ORIGO				338
ORION	102,103,160,164,167,168,167,193,217,220,221,222,240,241,244,263,487,501,510,533,537,546,739	250,259,261,263,284,290	855(DVD)	
ORION HUNGARY	102,103,106,217,221,507,503			
ORMOND	102,154,532			
ORSON	465			
ORSON'VE	102,105,154,187			
OSAKI	102,105,127,212	250,261,283,289		
OSIO		289		
OTHER LINE	105,154			
OTTO VERSAND	101,102,103,104,105,110,111,112,117,151,155,156,155,161,167,176,185,200,221,222,223,227,234,235,403,723	250,251,252,253,254,256,257,260,271,276	296(VTL)	319,320
OXFORD				357
P. CINEMA		255		
P. MARCONI		250		
PACE				320,330,331,332,398,438,440,469,471,472,481,584,649,759
PAEL	121,126,155	255		
PALCOM				368
PALLADIUM	115,136,202	252,255,261,272,276,278,290		
PALSAT				370
PALSONIC	102,105,155,164,177,187	261,289		
PANAMA	102,105,149,187	250		
PANASAT				468
PANASHIBA	167			
PANASONIC	111,112,176,230,235,494,498,516,694	253,260,269,272	622(DVD),623(DVD),644(DVD),654,834(DVD)	320,985
PANAVOX	102,167,235			
PANAVISION	187			
PANORAMA	155,157,177	289,903		
PANORAMIC	191			
PATHE CINEMA	115,154,155,156,214,230,234	255		
PATHE MARCONI-THOMSON				
PALLADIUM		252,255,261,272,276,278,290		
PALSONIC		261,289		
PANASONIC		250,289		
PANORAMA		268		
PATRIOT				648
PAUSA	157			
PCMI	102,105	250,289		
PENSONIC			863(DVD)	
PERDIO		261		
PERSHIN	128,214	255		
PERSS				634
PHILARMONIC	155			

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UNIVERSAL REMOTE CONTROL CODE LIST FOR UR 12

Brand/Device	TV	VCR	AUX	SAT
PHILCO	102,105,115,127,133,143,149,156,161,167,172,207,220,221,223,229,230,235,247	250,261,262,272,276,278,282,288,290	308(VT)	
PILIPPO			638(VCD),858(DVD)	
PHILIPS	102,103,105,111,112,133,136,155,156,175,183,184,185,192,207,215,505,535,551,702,707,722,727,731,732	250,251,252,255,255,264,292	292,293(CD),294,295,612(DVD),830(DVD),837(DVD),848(DVD),887(DVD),952(DVD),959(DVD),959(DVD),960(DVD)	315,316,317,352
PHOENIX-FORMENTI	278,289			
PHONOLA		252,255		
PHONOLA>PHILIPS	252,255			
PILOT	703,729	289		377,427,460,926
PIONEER	102,105,182,227,533,713	252,280	306,307,628(DVD),642(DVD),649(DVD),819(VCR),828(DVD),827(DVD),850(DVD),854(CD),866(DVD),889(DVD)	317,358,417
PLANET				338,522,528,924
PLANTRON	149,154,167,218,221,235	272		
PLAYSONIC		276		
PORTLAND	102	289,902,903		
PRANDONI PRINCE	121,149,154,205,210,218,221,235			
PREMIER	103,462,477,592,716,962		743(CD),783,785,791,796,798,804,815,965,669(VCD),671(VCD),808(MP),860(CD),871(DVD)	409,415,570,914,920,927,945
PRIMA	155,164,167,187			
PRINCESS	164,167			
PROFEX	127,167,171,227	283		
PROFILO	102,105,154,200,230,533,572			
PROLINE	240	252,261,283		334,335,336
PROSAT			633(DVD)	
PROSCAN		261,289		
PROSCO	102			
PROSONIC	102,105,167,207,230,240,483,532,727,732	252,255		
PROTECH	102,103,105,169,184			
PYE				
PYE > PHILIPS				
QUADRAL				334
QUAL CRAFT	121,154,177,205,210,497			
QUALCRAFT		261,265		
QUARTZ		278		
QUASAR	121,164,205,210,235,497	289		
QUELLE	101,102,105,110,114,121,123,124,125,126,131,132,151,155,158,160,163,164,171,172,173,187,220,223,227	255,290		
QUELLE > UNIVERSUM				
RADIALVA		289		

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UNIVERSAL REMOTE CONTROL CODE LIST FOR UR 12

Brand/Device	TV	VCR	AUX	SAT
RADIOLA	102,103,105,175,184			
RADIOLA > PHILIPS				
RADIOMARELLI		290		
MAGNADYNE				
RADIONETTE	114,132,220,235	289		325
RADIOSSHACK			609(DVD),634(DVD)	
RADIOTONE	403,490			390,457
RADIX			828(DVD)	
RAITE				
RANK / RBM	121,222,229,235,261	261,283		
RANK ARENA		290		
RC				395
RC 2				303
RCA			596(DVD)	
REALISTIC		260,261,264,278,289		
RECOR	161,102,105,187	250		
REDFUSION	227,225	272		366
REFLEX	102,532,727			
REGAL			686(DVD)	687
REGENTE	167			
REVOX			837(DVD)	
REVOY			829(DVD)	
REX		290		
REX > SELECO				
RFT	133,403	283		
RITAR	231			352,353
RIZ	230			
RM	632			
RM2000	102,727			
ROADMASTER			955(HORN)	431,454,528,520,554
ROADSTAR	102,105,164,167,177,465,592,530,534,727,737	261,283,289,897,912,903	828(DVD),831(DVD),838(DVD),841(DVD),950(DVD)	396
ROB. ELECTR.	133,203			
ROCH			833(DVD)	385,386
ROTEL				
ROWA	155,167,187			
ROWIDOKONIG	121,230			
ROWNSONIC	153			
ROYAL	105,156,167,177,187,207	283		
RYE	133			
S. LORENZ	102,115,167,169,177,220,223,227,231,235,236,455	272,278,289		
SABA	102,136,137,146,147,154,167,189,191,192,195,197,200,221,224,230,235,478,480,490,502,533,543,672,700,727	267,268,269,290,571,899,900	311(TLV),852(DVD)	353
SAGEM	726			433
SAISHO	155,156,160,169,177,239,497,501	259,261		
SAKURA	167			346
SALORA	102,131,206,218,221,222,224,227,228,231,236,511,550,554,698,718	250,262,275,278,291		344,350,352,353,354,355
SALURA				434
SAMBERS	121,133,125,127,128,154,156,205,210,280	255,261,289,290		

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## UNIVERSAL REMOTE CONTROL CODE LIST FOR UR 12

Brand/Device	TV	VCR	AUX	SAT
SAMSUNG	102,103,105,106,115,123,136,155,160,184,166,167,168,169,209,212,452,475,497,547,551,552,714,729,731	250,252,265,278,286,906	609(DVD),625(DVD),799,840(DVO)	341,361,362,375,752,917
SAMPO			611(DVD)	
SANDRA COLOR	154,155			
SANG	102,478,733			
SANGEAN				414
SANKYO	165,553			
SANSUI	102,167,188,236,465,725,727	283,284,285,290		930
SANTEC		903		
SANYO	106,114,133,155,157,160,161,162,163,167,203,209,212,235,236,246,248,261,496,553,712	289,262,264,272,277,278	597(DVD)	
SAR	102,155,290			
SAT				321,341
SAT PARTNER				363
SATEC				331
SATECO				377
SATELLITE				348,426
SAVEMA		269		
SCHAUPLORENTZ	478,895			
SCHNEIDER	102,103,105,108,129,151,155,167,175,177,184,183,220,221,222,223,229,230,233,235,497,539,551,701,727	280,252,261,272,283,285,289	814	364
SCHNEIDER FRANCE > PHILIPS				
SCHWAIGER				331
SCOTT	102,234	278,289		
SEGMAN				390
SEG	102,105,127,149,155,205,210,230,532,727	261,283,286,902	619(DVD),768(DVD),828(DVD)	747,748,773
SELECO	102,103,105,107,108,151,151,200,202,218,219,226,230,232,233,247,544,545,695,742,744	250,252,265,273,280,900,902,905	461	
SEMP	239			
SENDAY	102			923
SENTRA	239,289	262,283,289		431,747,748,773
SEOUL				426,439,483,484,485
SERVISAT				573
SET	102,230			
SETLUX		283		
SETRON				
SHARP	161,178,179,180,166,269	261,264,265,269	306,624(DVD),826(DVD)	
SHERWOOD		261,283	647(DVD)	
SHINKO				
SHINTOMI		261,283		
SHIVAKI	102,103	252,289		

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## UNIVERSAL REMOTE CONTROL CODE LIST FOR UR 12

Brand/Device	TV	VCR	AUX	SAT
SHOV	102,103,105,167,167,689,711,740,744		743(CD),792(HIFI),783,805,807,609(HIFI),816(HIFI),823(DVD),660(DVD),883(DVD)	
SHOW	562,592		671(VCD)	
SIAREM	133,154,205,210,235	271,272		
SICATEL	156,209			
SICE	110			
SIDEC	230			
SIEL	127			
SIEMENS	102,105,110,111,112,113,117,128,154,163,164,171,173,494,553,712	250,253,254,255,278	296(VTL),304(TLV)	319,320,322
SILMA	102	252		
SILVA	167	289		363
SILVER	177,187	278		
SMKO		261		429
SMTEL	102,177,187,465,723			
SINGER	102,105,133,149,154,155,167,188,199,205,210,235,247,497	250,278,286,287		
SINUOYNE	102,103,133,177,199,202,205,210,220,223,233,235,240,241,264,497,501,514,633,646,739	250,251,252,263,275,284	834(DVD),854(DVD)	
SIREL	752			
SKAY	465			
SKY TELEVISION			399	399
SKYLAB				339
SKYMASTER	992		684(DVD),697,988(DVD),996(DVD)	365,692,693,695,696,698,699,988,967,989,990,991,992,993,994,995,997,998,999
SLAVA	155			
SLAVOX	266,220,228,231	272,275,262		350
SOLIMEC		261		
SONITRON	133,155	289		
SONOKO	102,105,155,167,177,187,465	250,278,903		
SONOLOR		264		
SONTEC	102,115,151	250		
SONY	156,159,160,161,192,356,719	256,257,258,259,297,579	591,303,604(DVD),822(DVD),832(DVD),835(DVD),870(DVD),873(DVD),879(DVD),884(DVD),890(DVD),953(DVD)	317,398
SOUND COLOR	102,727			
SOUND MASTER	167	250		
SOUTHERN CROSS	161	250		
SOWTECH	101,151	259,256,257,258	301	
SPECIAL		289		
SPECTRA	102,477,696,697,708,715			
STANDARD	149,155,167,177,234			
STAR	105			
STARLINE	102			

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UNIVERSAL REMOTE CONTROL CODE LIST FOR UR 12

Brand/Device	TV	VCR	AUX	SAT
STAR DJITAL				433
STAR SAT				539
STARLITE	167	289		
STARLUX	167			
STELLA				339
STERN	107,108,191,202,210,226, 232,233,544,742,744	290		
STERN > SELECO				
STROM				585
STREAM			909	745,778
STRONG		261,283		370,394,396,425,447,448, 562,764
STVI	155,230			356
STZ		261		
SUNKAI	102,241,465			
SUNNY	186,567,581,592,741		67 (VCD),789(HIFI), 781,785,786,787, 789(HIFI),798,800, 809	454,467,522,524,529,558, 761
SUNSTAR	102	261		
SUNWATT	102,105			
SUPER MAX				971
SUPERLA	154,230			
SUPERSONIC	101,188,236,465			
SUPERTEC	102,105,167,177	250		
SUPERTECH		261		
SUPEX				408
SUPRA	102,156,167,169,463	230,261,283,289		
SUPREME	125			
SYC LINE	167			
SYDNEY	154			
SYLVANIA		261		
SYMHONIC		261		
T. FERGUSON		290		
TADISTAR	207			
TAGRA				355
TAKWANG				423
TALENT	110	253		
TANDBERG	118,124,135,136,140,154, 191,197,233		311(TLV)	315
TANDY	196,221,222	289		
TANTEC				368
TASHIKO	155,222,547,553,712	252,261,264,283		
TATUNG	104,110,154,155,160,204, 209	252,259,261,290		
TCL	708			
TEAC		261,290	309,838(DVD), 842(DVD),850(OVD)	
TEAK	101,102,105,155,167	250,261,290		
TEC	102,108,149,195,167,220, 230,497,702	250,261,278,283, 290		
TECHLINE	102	283		
TECHNICA	177			
TECHNICS	176,498	260,905		
TECHNISAT	102,533			348,349,362,378,390
TECHNOL	101,155,167,169,167			
TECHNOMATE				757
TECHNOSAT				377,973

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UNIVERSAL REMOTE CONTROL CODE LIST FOR UR 12

Brand/Device	TV	VCR	AUX	SAT
TECHNOVA				719(VCD)
TECHSTAR				913
TECHWOOD			659	
TEDELEX	102,105,155,167,221,220	276,284,289		
TEF		290		
TEINEL	102,230	250		
TEKNANT	102,167	252		
TEKNIKA		261,289		
TELE+	102,167,461	252	461,909	398
TELEAVIA		290		
TELEAVIA-THOMSON				
TELECHROM	177,465			359,377
TELECOM				
TELEFAC	167			
TELEFUNKEN	102,148,149,154,167,168, 169,172,191,192,193,195, 196,200,201,230,476,490, 500,533,572,700,741	265,266,267,268, 290,899,900,901, 902	305(VT),877,615, 894(DVD)	926
TELEMASTER				447,448
TELEOPTA	167			
TELEPOINT	102			
TELERENT		280,261,260,290		
TELESERVICE			296,312	296,312,319
TELESTAR	102,167,187	265,283,289		
TELESTEINEM				364
TELETECH	102,149	283		
TELEVISION	102,105,121,155,221,234, 235	260,271,272,278		
TELEWIRE				787
TELEKOM	102,230			530,687,747,748,773 915
TELPAS				
TELRA	102,200,230			
TELEPO				408,430,431,525,526
TEMPEST	155,167,177	265		
TENOSAL		283		
TENSAL	102,105,114,132,149,155, 164,167,169,177,205,210, 211,213,230,234,532,727	250,252,261,283, 289		326
TERMAL				402,419,426,431,432,486, 687,917
TESLA	156			
TESLASLOV	102,133,184,230			
TETRAN	230,234			
TEVEL				771
THOMSON	102,121,138,139,146,147, 174,194,190,191,192,197, 200,201,221,230,504,508, 512,543,658,700	266,267,268,272, 290,899,900,902	310,311(TLV), 840(DVD),886(DVD), 892(DVD)	330,331
THORN	235,511			
THORN FERGUSON	101,102,103,105,110,111, 112,114,127,133,131,132, 146,154,155,156,158,159, 161,163,186,187,189,191, 192,198,200,204,208,209, 212,220,221,223,224,227, 228,233,235,236,237,239, 246,248,281,283,396,495, 496,600,511,515,548,551, 700,730	250,251,252,253, 254,255,256,257, 258,262,270,272, 275,290	292,293(CD),294, 295,296(VTL), 301(MDIP)	315,316,319,320,323,326, 329,330,331

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UNIVERSAL REMOTE CONTROL CODE LIST FOR UR 12				
Brand/Device	TV	VCR	AUX	SAT
THUNDERMAX				300,315,330
TBISHI	155,167,177,187			
TOBO	187			
TOCHIBO			415,521	
TOKYO	465			
TOPILD			674,681,687	
TOKAI	102,105,167,187	283,289		502,417
TOMITA	155			
TOPVISION	102,221,230,403			
TOSHIBA	101,155,161,237,238,239,247,249	250,267,268,290	621(DVD),658(DVD)	415,440
TOTEVISION		289		
TOWADA		283		
TPS				433
TR. CONTINENTS	102,154,218			
TRANSONIC	102,105,187,207	250,252		
TREVI	167,177,265		831(CVD),853(DVD)	
TRAD	102,105,156			341,363
TRAX				325,348
TRIDENT	102,592,716		676(DVD)	596
TRILUX	102,403			
TRISTAR	186			370
TRIUMPH	125,437			
TRIVISION	167			
TRONIX				971
TRK	107,727	290		
TV STAR	221			
TYO	544,727			
TWINNER				431
UHER	107,129,221,234,544,723,727	286,290		
ULTRAVISION	146,156			
ULTRAVOX	101,102,105,110,133,149,155,205,210,218,235,249,535	230,271,272,276		377
UNIC RADIO	106,154,155,227,230	261,283		
UNIDEN				392,393
UNITED	727,739	903	656(DVD)	
UNITOR				339
UNIVERSUM	161,192,195,110,111,112,114,116,121,123,124,125,128,131,132,151,155,158,160,161,163,164,167,171,172,173,187,220,223,224,227,230,231,550,712,727,741	250,252,253,254,255,256,257,259,266,261,262,272,278,283,286,289,290	236(VT),298(PA),295(AUX),304(TLV),305(VT)	319,320,322,323,326,327,350
UNIVOX	102,105,133,149,156,250,230	250		
UNK	102		885(DVD)	
URANYA	102,121,154,167,169,205,210,234	250,272,278,289		
UTAX	155,167			
V TECHNOLOGY				363
VANGUARD	155,167,222			
VECO	102,105,167			
VECTOR		276		
VERTANA				315,316

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UNIVERSAL REMOTE CONTROL CODE LIST FOR UR 12				
Brand/Device	TV	VCR	AUX	SAT
VESTEL	102,103,105,110,127,143,165,186,222,229,230,532,657,727,732,961		686(DVD)206,816(HRP),821(DVD),841(DVD)	530,587,687,555,922
VEXA	102,103,155,167,177,222,265	260,908		
VICEROY	155,164,187			
VICTOR		290		
VIDEA		278		
VIDEO E. CLUB		278		
VIDEO TECHNIK		261,283		
VIDEOCON	105			
VIDEOLOGIC	155,177			
VIDEOMAC	155,187			
VIDEOTON	102,151,154,155,207,217,221,222,223,260,539			
VIDEKRON	224			
VIDION	167	278		
VIDITAL		272,903		
VISA	121,218,736	907		
VISAELECT	127,155,230			
VISION 2000	102,167			
VISIOREX	154			374
VISOSAT				
VISTAR	224,231			
VORTEC				361,362,406
VOXSON	121,133,205,210,218			
W. WESTINGH. FORMENTI				
W.WESTINGH.	101,102,115,127,155,205,227,230,234	272,278,289		
WALKIE	168			
WALTHAM	149,221,230			
WATSON	102,105,171,187,218,230,234,235,497,532,727	250,271		
WATT RADIO	155,156,205,207,210,213,220,223,235,497,532,727	271,272		
WEGA COLOR	161			
WEGA VISION	161			
WEGAVOX	102,149,167,207,229,532,727			
WELTBÜCH		289		
WELTBÜCK	102,234	250		
WESTON	230			
WHAFFEDAILE			637(DVD)	
WHITE WESTING	101,102,107,115,125,127,155,167,202,205,207,230,234,544	272,278,289		
WINERSAT	167,465			353,369,374
WINSTON	102,167,465			
WINTERWITZ	167,169,170,406			
WIS.				322,341,342,355,390
WORLD TECH	102			
WORLD SAT				492,650,651,654,655,656
XCOM				492
XSAT				492
YAM NETSTATION			675(DVD),676(DVD),677(DVD)	

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**UNIVERSAL REMOTE CONTROL CODE LIST FOR UR 12**

Brand/Device	TV	VCR	AUX	SAT
YAMAHA		276,290	313,617(DVD), 622(DVD),623(DVD), 640(DVD),642(DVD), 785,834(DVD), 837(DVD),878(DVD)	
YAMAKAWA			616(DVD)	
YELFUNKEN				838
YENCAG				436,478,574,586
YES				765
YOKO	102,155,167,187,191,221	250,261,283,288, 289		
YONSAT				522
YORK	177			
YUMATU	102,167,167,207,482			375,387,394,419,450,454, 557,919
YUMATI				917
ZAHAV				749
ZAMPA	219	273		
ZANELA		261,278,288		
ZANUSSI > SELECO				341,375
ZEMDER				
ZENTH			600(DVD),606(DVD)	
ZIRWATEL	167,700			564
ZODIAC				746,751,766,772
ZOPPAS > SELECO				
OTHERS	660	578,591,660	566,561,665, 854(DVD)	