Using TVR010A as a general purpose universal remote.

As can be seen below, the only universal code documentation we have been able to receive from China for the TVR010A remote is as poor quality scans. We apologise for the quality, but they are still readable at a high zoom within the PDF reader.

For PICAXE use:

Always use mode B (press B before using the keys).

To setup the control after replacing the batteries press S+B then 0 then 1 then 3 then the red power button This puts the remote in 'Sony TV' mode for use with the PICAXE system.

For general purpose use:

The mode buttons at the top of the remote are allocated as follows:

```
A Sat
B TV (this is the mode to use with PICAXE)
C Cable
D VCD
E DVD
F VCR
G AUX
```

Arrow Buttons:

Up Channel +
Down Channel Right Vol +
Left Vol -

Next row of 4 buttons:

Guide

Disp

TV/AV

Mute

Unused 6 buttons at the bottom of the remote:

Square Fast Rewind <<
Triangle Play >
Circle Fast Forward >>

L Record X Stop Reverse F Pause

PREPROGRAMMED UNIVERSAL REMOTE CONTROL

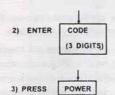
1. HOW TO SET UP THE UNIT. (PROCEDURE 1)

LOCATE THE CORRECT CODE OF THE DEVICE'S BRAND/MODEL FROM ATTACHED CODE LIST.

KEY IN THE CODE TO FUNCTION THE UNIT AS FOLLOW: - TYTXT1, TYTXT2, TYTXT3, YCR1, YCR2, SATICBL STEP 1) HOLD SET THEN PRESS ANY KEY OF THE

CBL/SAT, CD,LD/YCD/DVD,AIR-CONDITIONER

SIMULTANEOUSLY UNTIL THE LED IS ON, THEN RELEASE BOTH THE KEYS.



* * AFTER COMPLETION OF THE SETTING. IF ACCURATE, ALL THE DEVICES AND FUNCTIONS CAN BE CON-TROLLED. OTHERWISE, THE CODE MAY NOT BE CORRECT FOR YOUR DEVICE. PLEASE REPEAT THE SAME PROCESS FROM STEPS 1) TO 3) BY ENTERING OTHER CODES UNTIL GETTING THE CORRECT ONE FOR YOUR DEVICE.

HOTE: A) DO NOT EXCEED 10 SECONDS BETWEEN EACH STEPS.

B) THERE MIGHT BE OTHER CODES THAN THE CORRECT CODE. WHICH CAN ALSO CONTROL SOME, BUT NOT ALL FUNCTIONS. SUGGEST ALWAYS TO LOCATE THE VERY EXACT CODE.

STEP 4) PRESS ANY DEVICE KEY TO QUIT THE SETTING.

2.HOW TO WORK WITH "QUICK SEARCH". (PROCEDURE 2)

IN CASE THE CODE COULD NOT BE LOCATED FORM THE CODE LIST. PLEASE TRY THE QUICK SEARCH:

EP 2) HOLD	SET AND PRESE	THE DEDOCT WELL AND THE	TVIXT1 TVIXT2 DVIXT3 NOR4 MORA COM
		THE DEVICE RET OF THE	TVTXT1, TVTXT2, TVTXT3,VCR1, VCR2,SAT/CBI CBL/SAT, CD,LD/VCD/DVD,AIR-CONDITIONER

STEP 4) CONTINUE PRESSING FOWER (254 TIMES MAX.) TO TURN OFF THE DEVICE TO CHECK IF THE ON/OFF SWITCH OF CONTROLLED DEVICE HAS ACTION.

AFTER COMPLETION OF THE QUICK SEARCH, IF ACCURATE, ALL THE DEVICES AND FUNCTIONS CAN BE CONTROLLED (CHECK FUNCTION KEYS EXCEPTISET, "PLAT" FOR VCR & COLOX/CONTROL AND DEVICE KEYS), OTHERWISE, THE COOR MAY NOT BE THE VARY CORRECT ONE FOR TOUR DEVICE PLEASE REPEAT STEP 4- IF STILL AT SEARCH MODE: UNTIL GETTING THE CORRECT CO

IF SOME DEVICES ARE NOT VERY SENSITIVE TO THE POWER SIGNAL, YOU, CAN USE TOGGLE SWITCH, BY PRESSING "SET KEYTO CHANGE THE SEARCHING DIRECTION" AND QUICKLY FIND OUT THE CORRECT CODE THE SEARCHING DIRECTIONS SET AS FORWARD DIRECTION PRIOR YOU CAN CHANGE IT BY PRESSING THE "SET" KEY.

NOTE: 1) DO NOT EXCEED 39 SECONDS BETWEEN NEXT PRESSING OF THE KEY
NOTE: 2) WHEN QUICK SEARCH MODE IS ON, THE EXACT DEVICE CAN BE SEARCHED BY PRESSING
THE CONTRAST DEVICE KEYS, FOR EXAMPLES: - (PLEASE SEE THE TABLE 1)

TABLE 1: DEVICE CODES ON SETUP MODE OR QUICK SEARCH MODE ARE SHOWN BELOW:

DEVICE NAME	FOR DEVICE (@ Search Mode)	TOTAL	DEVICE	CODES RANGE ON SETUP MODE	CODES RANGE ON QUICK SEARCH MODE
TV	TV/CTV/TXT	254	000 - 254	000 - 254	000 - 254
VCR	VCR	156	000 - 155	000 - 155	000 - 155
SAT/CBL	Satellite /Cable	189	000 - 188	000 - 188	000 - 188
AUX	CD/LD/VCD/DVD/ AIR-CONDITIONER	141	000 - 141	000 - 141	000 - 141

3.HOW TO SWITCH OVER TO DIFFERENT DEVICE. (PROCEDURE 3)

STEP 1) PRESS ANY KEY OF THE TYTX11, TYTX12, TYTX13, YCR1, YCR2, SATICBL TO QUIT THE FIRST DEVICE CBUSAT, COLON/CDIDVO AIR-CONDITIONER

4.HOW TO GET THE CODE DISPLAY (3 DIGITS) (PROCEDURE 4)

STEP 1) HOLD SET THEN PRESS 1 SIMULTANEOUSLY. AND RELEASE. THE COUNT OF

BLINKING REPRESENTS THE NUMERAL OF THE 1ST DIGIT.

STEP 2] HOLD SET THEN PRESS 2 SIMULTANEOUSLY, AND RELEASE, THE COUNT OF

BLINKING PERSENTED HE WIRESS [_] SMULTAREDUSLY, AND RELEASE, THE COUNT OF BLINKING PERSENTED HE WIRESS (__) THE STANDARD OF THE PROBLEM. STEP 319 OLD [_] THEN PRESS [_] SMULTAREDUSLY, AND RELEASE, THE COUNT OF BLINKING PERSENTED HE NUMBER ALO THE 3RD DIGHT.

** PLEASE WHITE DOWN THE CODE OLD DIGHTS FOR FUTURE REFERENCE.

INITIAL STATUS OF THE DEVICE CODES

DEVICE	INIT. CODE	BRAND
TVTXT1	082	Philips RC5
TVTXT2	013	Sony
TVTXT3	016	Panasonic
VCR1	144	Philips RC5
VCR2	001	Sony
SAT/CBL	039	Philips RC5
CBL/SAT	155	GMI-909
AUX=CD/LD/VCD/DVD/ AIR-CONDITIIONER	069	Philips RC5

5.POWER SOURCE: 2XR03"AAA"SIZE

6.THE STATUS OF POR (POWER ON RESET):

WARM UP: LED FLASHES 2 TIMES (THE DEVICE CODE IS THE PRIOR SETTING CODE).

COOL UP: LED FLASHES 3 TIMES (THE DEVICE CODE IS AT INITIAL STATUS).

CONTROL REMOTO UNIVERSAL PROGRAMADO

1. COMO PROGRAMAR LA UNIDAD. (Procedimiento 1)

(SET+TV)+CODIGO = LISTO

Localice el codigo correcto del aparatio. Marca il Modelo de la lista de codigos que viene adjunta. Si es
mas de un codigo, debe teneridos a la vista ya que los necesitars al momento de la programación.

Una vez que tenga el o los codigos, encienda su aparato y sigá las siguientes instrucciones:

Una vez que tenga el o inis codigios, enoanda su ajuarato y siga iais siguientes instruccioness.

Paso 1) Sostemer el tocia (SET) lusgo presione cualquier tecla de:

TV, VCR, CABLE, SAT, VCD, DVD, AUX

TV2, VCRZ, TV1, VCR1, SAT/DSS

Hasta que encienda la luz, soldar los des botoces. Intente programar el equipo en al tecla que corresponda aunque puede programar por ejemplo: DVD en AUX.



Pase 3) Oprima: [Power]

Despuse de completar estos pasos y si todas las claves estan correctas, todas las funciones podran ser utilizadas deldamente. Si siguna clave ha silo ingresada de manera incorrecta, el control no funcionar adecuadamente. En ese caso hay que repetir los procedimentos del paso 1) al paso 3) y marcar ortos codigos parista elevitario e codigo correcto para us aparatio.

NOTA. A) No exceder mas de 10 segundos entre cada paso.

B) Puede haber mas de un condigo para una función, pero no controlara todas las funciones correctamente. Siempre trate de usar el codigo correcto para mejores resultados.

Paso 4) Oprima cualquier teclá para salir del modo de programación.



Paso 3) Presione SET y luego de los digitos.

* NO OLVIDE ANOTAR SU CODIGO COMO FUTURA REFERENCIA. CODIGO INICIAL PARA APARATOS.

APARATO	CODIGO	MARCA
TVTXT1	082	PHILIPS RCS
TVTXT2	013	SPMU
TVTXT3	016	PANASONIC
VCR1	144	PHILIPS RC5
VCR2	001	SONY
SAT/CBL	039	PHILIPS RC5
CBL/ŞAT	155	GMI-909
AUX=CD/LD/VCD/DVD	069	PHII IDS DCE

5. FUENTE DE PODER: 2XR03TAMANO"AAA"

6. ESTADO DE PODER:

Si la Izr perpadiea 2 veces (el sodigo del equipo es el previamente usado)
Si la luz perpadiea 3 veces (el sodigo del equipo esta en estado inicial)
IMPORTANTE: USTED DESE ANOTAR: LOS CODICOS CORRESPONDIENTES A CADA APARATO
YA QUE CUANDO LAS BATERIAS EXPIREN. SOLO TIENE 5 MINUTOS PARA NO PERDER LA
MEMORIA DE LOS CODIGOS. DE LO CONTRARIO. AL CAMBIAR LAS PILAR DEBERA
REPROGRAMAR EL CONTROL

		OODL	LIST	-		
		-			AUX	
Brand/Device	TV	VCR	CABLE/SAT	CD	LD/VCD/DVD	CONDITIONER
ABC			008,017,018 019,023,032 040,049,130 140			
Acre			The second second		135	
Acoustic Research		100		044	200	
ADC				045,046	100000	
ADCOM:	No. of Concession, Name of Street, or other Designation, Name of Street, or other Designation, Name of Street,			038	* E1 Toronto	
Addison	061	1000				
Admiral	063,136,177,180 206,207	081			10000	A DECEMBER
Adventura	160	038				
Aelanta	100	1	089		10000	
AEON			055	-	40000	
Alte	103	Harry Co., Super-		2707	57.00	
Aiwa	006,007,008	032,634,015,036 038,107,108,120		050,069	109	A CONTRACTOR
Akai	113,114,164,181 190	033,057,084,100 111,112,113,114, 115,143		016,139	100	To and
Akiba		119				
Alta Gold		1990	185			7
Alleron	126					
Amark	178,179,262			213-2-		
Ambassador	098	1.00			10000	
American High	The second second	045,072			79,170	
Areatrad	930,098	107,018				
Amusewell					116	
Anam	068,083,148,177 253				1000	
Anitech		119	S Latinopara and the same of t		1,1000	
Anvision		100	022,042,046			
Aoc	005,014,029,048 100,113,136,152 176,177,186,190 200,202,204,214				19	
APO			067			
Archer	202		069		1000	
Asa		045,047			1000	
Asha		103				
Asia Giant	0.00	The state of the s	054,064,166		1000	
Asuka		047			1000	
ATLE		20		052	1980	
AUDIO DYNAMICS		025,109,113,142				
AUDIOVOX	177.292	647,109	_	-		
AWA	040.062.193	5041,193				
Baird	peu, seu, 193	019.018	_			
Baird Basic line		119			100	
Basic line Beaumark		103		1		
Beaumark Beatlink		10.5	051.091			
Belcor	100 114		1901,091		- 11	
BellShowell	063.136.177.195	019,020,066				
BENJAMIN						

		CODE	LIST			
Brand/Device	TV	1			AUX	
	14	VCR	CABLE/SAT	CD	LD/VCD/DVD	CONDITIONE
Bleupunkt		1 006,083				CONDITIONE
Blue Star	064	414,000		- 10	No.	
HPL Bradford	054					- 0
Brockwood	177			-		
Brokasein	177,202,234					
Bush	177,202,234	055,056,110,112				
Cablestar		119			Water and the same of the same	
Catifornia Acutic			622,042,046	1		
	100			003		
Cally	0000	047			The state of the s	
		072,137		- 10		
Candle/Citizen	006,103,133,114 132,148,160,171 176,178,188,209	038,046,047,072 193,109,138,139 141	045			
Capehart		139		- 11		
Caravel	1100	107				
Carver	037,060			077 (VCD)	Marie Inc.	
CASIO	037,060	045,144	1	069		
CCE		110		138	Cotton of the	
Celebrity	246	119		100		
Centurion	114,175					
Century	-		975	100		
Changhong	1000	038	9/3			
Channel Master	018					
Chapavyal	210		094			
Chun Yue	005,014,029,041 076,009,100,113 121,202,204,214 242					
Chung Hein	005,014,020,024 073,081,121,190 204	049				
Circlina		119		/		
Clairtone	045					
Colortyme Colour Visice	113,149,176	025,109				
Celt Veice		-	005			
Concerto	113,176	119				
ContaciCony	OAK 107 TAK 18Y					
	173,177,192,401		034			
Coronado	178,179					
Craig	140,177	047,070,103,119				
Crown	177,178	119			The second second	
Curtle Mathes	037,051,063,665 113,114,129,140 171,175,178,178 180,195	025,051,072,064 109,111,120,121 127,141	4.14			1
cxc	148,177				The second	
Cybernes	-	102		0.01		

		CODE	LIST			
					AUX	
Brand/Device	TV	VCR	CABLE/SAT	CD	LD/VCD/DVD	CONDITIONE
Dae Ryung			019		1	
Ozewoo	086,100,103,113 114,118,152,167 174,176,178,188 190,194,214,217 235,251,252	000,105,106,138 139,152,153,154 150	013		133	-
Dansai		119				
Daytron	100,103,113,114 175,176,176,188	105				
DBS			169	100		
DBX		025.109,113,142	109			
Decca		009,045				
De Graaf		061			100	
Denon		A COLUMN	100000000000000000000000000000000000000	601		
Dismend			043,133		1000	
Disco Vision		P. SHILLIAM		150	115	
Distar	061				115	
Drake			082,083,084 096,126,127 147,160,161		1	1
DSS		9000	168			
Dusl		1113	10000		1000	
Dument	100,236	103.150				
Dynamic Sass		The same of the sa		039		
Dynatech		036,066,097,107 109,120	10000			7 3
Eagle			009,019,030 042,046,141			
Ensiers			941,059,060 961,062,070 156			
EchoStar			092,097,099 100,101,102 103			A THE
Electrobend	046,048		- Company			
Electrohome	044,045,048,068 100,113,176,178 188,190,195	047.049,190,103		-150	100	7 44
Electrohonia		047				
Emerex		060			-	
Emerson	048,054,084,097 098,100,112,113 123,124,125,126 137,138,139,141 136,148,157,158 169,176,177,178 179,188,195,206 209,234	035,038,046,047 049,032,055,038 072,079,049,099 100,101,192,107 110,115,112,116 120,130,131,132 130,134,135,136 140,150		038		
Envision	113,114,176			_		
Ether	089,100,202					
EUROSTAR	V- 1121		150			
Everquest	Alle GIVE		016			
erguson		113				
idelity		038				
Finlandia		010 045				

		CODE				
		0.1			AUX	
Brand/Device	TV	VCR	CABLE/SAT	CD	LD/VCD/DVD	CONDITIONER
Finlux	136	019,038,045,064		100	1 40	
Firetire	11/5/10/2017	049,119,150		Maria de la compansión		
Flaher	117,168,195	019,020,047,070 038,092,093,117		029		
FORTEC STAR		10000	186,187		1000000	
Fuji	10 K	060,072,083,084		-	-	-
Funal/Fullness	011.029,030,039 040,042,136,148 177	938,939,640,193 107,119,120				
Funtach	100		170,171	-	All Investor	
Fyturetech	177	1245			The same of the sa	1000
GAB		110			100	
Garrard	Sammer	038	33.00	1000	10000	
G.E.	051,054,061,065 068,083,100,108 113,131,141,143 145,146,176,180 184,187,222,235	051,072,085,386 034,089,103,137 141	la la constitución de la constit			
GEC		045	100000000000000000000000000000000000000			
Gersini			016,131,132 134,135			
General (Fujitsu)	033,136	043	017,023,093 120,130	35		
G.V.lemold			001,003,011 012,013,014 016,017,023 050,093,125 126,129,130 135,140,163 160			
Gibralter	100,114					
Gintal	205		The latest terms and the			
GMI			052,671,073 142,155			
Golden			030		-	
Goldstar	096,100,113,157 171,175,176,176 179,184,188,100 191,223	925,046,047,031	430		.015	
Goodmans	136	037,038,047,119		111111111111111111111111111111111111111		
Ge Video		103		1000		
Gradiente		138		1000	The second second	
Oraetz		113				-
Granada	164	666,072		100		
Grandle	-054,177	038,047,119	1		2	-
Grundig	136.177	045	-	069	-	-
Grunpy Haltai	139,177			-	105	-
Hallmark	100,113,136,176	1000		-	100	
Hamile	100,000,000	100	010,019,025		1	
Marley Davidson		838	1	-		
Harman Kardon		625.109	1			

VCR 1199 1299 1209 1201 1201 1201 1201 1201	023.692.119 122.164 122.164 123.164 123.164 123.164 123.164	GD 917.038	117 115	cond/Bones
199 200 200 201 20119 20119 201 2012110 2012110 2012110 2012110 2012110 2012110 2012110 2012110 2012110 2012110 2012110 201210 2	124,164 124,164 009,084,064 006,141		115	035
199 200 200 201 20119 20119 201 2012110 2012110 2012110 2012110 2012110 2012110 2012110 2012110 2012110 2012110 2012110 201210 2	124,164 124,164 009,084,064 006,141		115	035
200 143,119 001,001,001 000 003,107,113,120 003,113,113,113,113,113,113,113,113,113,	124,164 124,164 009,084,064 006,141		115	933
102,115 070 011,031,064,665 063,107,113,120 054,107,113,120 056 056 056 056	124,164 124,164 009,084,064 006,141		116	036
102,115 070 011,031,064,665 063,107,113,120 054,107,113,120 056 056 056 056	124,164 124,164 009,084,064 006,141		116	035
070 011,333,084,085 089,107,113,120 089,107,113,120 089,077,113,120	124,164 124,164 009,084,064 006,141		116	035
011,031,094,095 089,107,113,120 638 638 638	124,164 124,164 009,084,064 006,141		116	035
089,107,113,120 099,107,113,120 000 001,072 005	124,164 124,164 009,084,064 006,141		116	233
089,107,113,120 099,107,113,120 000 001,072 005	124,164 124,164 009,084,064 006,141		116	
087.072	023,058,065 066,141 173	007	1000	
087.072	173	007	1000	
087.072	173	907	1000	
087.072	173	607		
087.072		607		
087.072		007		
087.072		667		
240		007	1000	
240		-		
240			150	
619,020,163,113	-			
919,000,100,112	-			- Close Co
		10.7	100000	
		073,079	100000	
The second		-		
077		1		
005,025,047,084 047,072,888,085 193,109,127,128 137,141,142				
			Dille	
	047.053	_		
002.113			VICE STATE OF THE PARTY OF THE	The second second
016,017,016,020 025,030,046,262 047,088,096,119 113,127,129,142 151		966,927 931	129	
119			100	-
	134	1	-	
111111111111111111111111111111111111111		+	-	1000
	-	445.000	000,000,000	
021,025,636,062 013,096,109,113 127,139,142		918,019	944,FW1.120	
	007,072,088,008. 1001,1007,277,120. 1012,140,142. 1012,140,142. 1012,141,142. 1013,177,111,120. 1013,177,177,177,177,177,177,177,177,177,1	007 72,845,000 007 72,845,000 007 74,122 007 74,122 007 77,754,000 007 77	901 77344090 107 (41 402 107 (41 402 401 77 401 77	007.772444.000 102.740,102.000 001.772 001.77

Brand/Device		CODE	LIST			
	TV	VCR	CABLE/SAT	CD	LD/VCD/DVD	AIR
		1 7011	CADLLIGAT	CD.	LD/VCD/DVD	CONDITIONE
KLH		119		100		_
Kiloss Novabeam KMC	000,109,114,160				Carlot Comment	
KMC Kodek	178,179,188					
KÓKA	-	047,072		0.00	É.	
AUAA			055,057,118		The same of the sa	
Kolin	005,014,020,024 041,073,081,121 190,204		144		The same	
KONKA	243					
Krell		Name of the last	1	069		
KTV	048,113,114,128 177,178,179,188 209			009	A 11-11	
Kyocera	The second second	100		046	-	
Legend LEON	Park In			0.74	099	
		Delite .	062		1000	
LIG	114,156,179,223 248	046	452		100	
Lloyd		- 038,107,109,116 119,120		100	Service of the last	
Lloytron .	178	100000	-			
Loews	062	120				
Lodgenet	063					
Logik	663,177	110				
Luxman	113,176			032		
Luser	17	919,020,037,049	1000			
	037,057,065,082 100,101,175,195 206	838,046,047	5801		The same	
Mecom	21		081.096,119			
Magnayox			120	1000		
	037,660,032,100 109,113,114,127 131,132,162,163 167,175,176,178 179	045,047,072,075 123,137,144	CO4,005,096 607,008,037 038,039,042 946	022,056 069	059	
Magnin	1000	103				
Majestic	003,236			Lancate Contract		
Marsetz	037,050,082,109 113,114,125,176 190	025,045,072,088 109,127,129,142 144		003,040	4	1-130
Marta	alaun III	025,046,047				
Matsul	098,178	055,116		069		
Mataushita		045,072	4	-		-
MCS				003		
Megatron Miti	100,164,202					
	068 053,100,195	072	100			
Metz	193,100,195	019,020,038,046 047,086,070,072 160,107,108,120	024	200	L. Sealing	1

		CODE	LIST			
		CODL	LIST	_	AUX	
Brand/Device	TV	VCR	CABLE/SAT	CD	LD/VCD/DVD	CONDITIONS
MGAWitsubishi	005,020,021,844 090,097,100,113 114,117,138,141 175,176,188,190 206,226,227	014,015,029,030 019,002,063,964 037,080,090,056 100	150	625	531	090
MGN Technology		103				-
Micro Formula	1000		107			
Midland Mint	965,178,197,238	085	Contract of the last	- 57		
Minella		004,095	157	-		
Mission		-	-	069	100	
Motorola	037,083,187,206	166,072		-		
Montgomery Ward Movie time		044,007		70		
Minutz	121.164	-	016			
МТС	048,100,113,114 171,176,190	038,103,107,120			2 100	
MultiTech	136,177	038,085,107,119		7 33	100	
Multivision Myland	124		Control of the Contro		1970	
NAD	017.092.100.101	1000			119,120	
MEC	031,032,041,001 068,079,000,160 113,114,160,175 176,187,190	019,028,025,026 020,041,042,046 042,088,096,109 113,123,126,127 129,139,142		633		
Nesce	136	119,109,194				Annual Control
Newsve	009,106,205,206	046				
Nikko	100,103,114	047		-	-	
Noblex	2015 STORY OF THE	102		1	100	
Nokia Novavialoh		019,020,103	188	100		
Nordmends		113	019,040,089			
NSC.		114	036,134			
NSM	207.1125	198922	199,174	049		
NTC OAK	103					
Olympus		-	033,034,139		Name of the last	
Omega		072	016	-		
Citking	200		010	-		
Onkyo		1000		010,011	State of the last	
Onwa	177				100	
Optimus	092,195,207	019,047,066		019,039 041,042 043	125	
Optonica	204,207	937		447	100	
ORBIT		200-000	095			
Orion	136,177,234	035,655,110,112 116		18	1000	
PACE 500 PACE 5000			163	7,0	02	
PACE NOO		-	184			

Brand/Device	TV	1	1	4	AUX	
		VCR	CABLE/SAT	CD	LD/VCD/DVD	CONDITIONS
Parusonic (National)	010,015,016,017 028,037,050,050 068,082,083,060 089,094,100,122 130,145,150,151 167,187,247	005,807,998,012 027,828,931,050 067,872,112,118 137	863,819,924 114,148,175	003,020	061,062,122 121 122	092
Parista					1000	
Pansat Panagon (Zerviti)	1000		024	1000	108	
Paragon (cervits)	1000	3 S F S S S S S S S S S S S S S S S S S	021,024,117		The second second	
PRI		100	003	-	1000	-
Pentax	107		-	-		
Philipp	937,000,008,982	064,095		-	1000	
	100,109,113,114 127,132,154,157 162,163,167,176 178,179,190	137			4	
Philips	036,037,056,060 068,082,100,109 113,114,122,132 154,136,137,162 163,167,176,179 198,215,216	037,645,047,072 144,145,146	004,005,005 007,008,037 038,039,642 046,122,152	068 (funer) 070 (REC) 071 (VCD) 022,052	056 057 (AMP) 071	
Pico		072	- 10	009		
Pitet	114,171,178	047				
Pioneer		233 044 057 544	002.022.115	994 929		
	113,123,176,187 228	074,091,123,139 142	116	160	059.064.065	
Polestar	103	1			125	
Popular Mechanic	North Committee		066			
Portland	170,179,188,191	105,138,139	966	- 1		
Przeis	211					
Premier			935			-
Priceclus	171		935			
Primestar			093		Comment of the last	
Prožne	1000	038	033			
Prosat Protec			580	100		
	-	119	100	-		
	014,041,076,100 104,113,126,157 176,178,188,196 202,204,205,214	006,067		069		093,094
Prisen e	282,197	TOTAL CO.		-		
	100,103,236	047,185	024,030			
DED 1	100,103,236	1200		-		
Quarter		2100		009		
Disarte		020				
	50,068,583,198	020,088	74			
	46,187	006,072,137		003,020	-	
IAMPAGE lander			174			
arist I		047	100			

				AUX			
Brand/Device	TV	VCR	Cable/Sat.	CD	LD/VCD/DVD	Airconditions	
Radio Shack	951,065,087,197 114,148,157,175 177,178,195,207	937,038,047,066 976,072,086,093 997,100,163,167 120		023			
Redix	And the same of th	047			1000		
Randtek	CONTRACTOR OF THE PARTY OF THE		942,945		T 100		
RCA	047,051,065,066 068,100,105,113 143,152,176,180 199,206,213,222 229,230	051,064,066,067 069,071,072,086 094,055,163,118 120,124,141,148 149	044,080,114 168,182	629,638	058 127(DVD) 139(DVD)		
RC-AK	Total Office and the second	2000	095	_			
Realistic.	109,107,114,165 175,177,178,195 207	019 019,037,038 046 047,096,070 072 048,093,097 100,103,107,120 137	110	938,939 940,941			
Regal			019,020,123				
Regency	STATE OF THE PERSON NAMED IN	982	037,041,123				
Rembrandt	The second	100.00	917,134		1	-	
Rhapsody	040	100 A C					
Ricoh		072.103			17.00		
ROTEL	Local Control			047,048			
Rusco	114,171,236	847	924				
SABA		113		23000	CHICAGO CO.		
SAE				069	The second second		
Salsho	098	101		1			
Salora Sameo		089			161.70		
sampo	024,041,042,052 073,086,160,106 113,114,142,175 176,178,205,306 214	023.066,097				086	
Samsung	070:100,107,113 114,140,144,157 167,120,171,175 176,178,179,188 189,190,197,200 214,237,240,249 259	959 085,086,163 104,115,155,133 141,150	804,627,030 650,134		110,113 128(DVD)		
Samsur	178			-			
Sanky		DSS					
Sansoi		062 153,119,122 147		021,835 069,137			
Sanyo	014 024 025 026 027 034 035 040 041 649 061 110 117 120 166 173 175 186 185 204 214 218 231 232 241	019.020,021,022 648.070,088,101		022,036 039,055		684	
Schaub Lorenz	0.00	113			100		
Scierofic Ariants		- 192	013,019,040 089,112,113				

			COL	E LIS	Г			
Brand/De	vice TV		VCR	Cable				AUX
Scienza	100			Capier	sat.	C	LDIVCD	DVD Aircon
Spetch	100					1		Trait Co.
Scott	100,114,136,137 148,157,175,177		049.063,079,099 101,110,112,132					
Sears	036,037,051,057 065,067,100,101 116,711,132,137 136,168,171,175 176,178,179,195 201,236		134,150 019,020,046,047 064,079,072,088 062,093,095,117		1			
Sega	201,235							
56)	100							
SET			Data.				115	
Sharp	098	1		-		- 3		-
	009.038.043.059 067.106.113.133 157.173.176.178 179.138.192.206 207.203	1	024 037 059,966 197 109 138	137		919,040	m	
Sherwood		1				007,023 049,053	-	-
Shinco					- 1	054		
Shinton		100	18.054.083.084				197	
Shogus	100	110			- 1			
Signa		110	ų.					
Signal	Contract Contract	-		034	-			
Signature	037,063.065.100	-		016,030				
Simpson	060,114,132	4		017,023	5-18	_		
Singer	187	100	7,103,119			2.41		
Smidyse	093	104	7,103,119	PARTY IN		-	-	
Sky Giant				063,075,138				
St. Marx		-	_	153				
Sony	950.051.012.013 014.024.035.046 073.097.181,168 202.284.214.232 244.245.246		001.002.003 805.060.072 082.083.084	169	00	100,637	049,063,114 124(OVD)	
Soundesign.	100,113,132,136 176;177				+	-		
Sowa	005,014,074,057 668,072,073,172 189,280,204,214				+	+		092
Space TV		-			1			192
Spectricon	100,114,177,202	125		035	+	-		1
Sprucey	1000				1	-		
Squareview	030	-		114,148 .	+	-		
558	160,113,117	0-1			-			
Standard component				134	F			
Stancom		-				A		
Stargate	1000	-		016,023,130				
tarite	100,177	-		016,030	100	-		

CODE LIST											
Brand/Device	TV	VCR	Cable/Sat	CD	LD/VCD/DVD	Airconditioner					
Starquest			916	- Constitution		T-meditationer					
ST8	The state of the s	064	080								
Sun Moon Star 2400			181								
Supra	178	-		-		-					
Supre-Macy	132,160,176				-						
Supreme	044		- William	1							
Sylvania	037,060,082,025 100,109,112,114 127,131,132,162 163,167,175,176	645.049.067,072 075.099,120,123 137	431,632	622,865							
Symphonic	010,136,537,548 177	031 (07,120									
Synco	014,024,073,198 302,204,205,214										
TADA			053.182		-						
TADISTAN			610	-							
Taicom	Table Street		955	-							
Tai Wah	064,212	100	140								
Tandy	065,178,206,207	888.120									
Testrko	205	\$44		-	-						
Tatung	905,019,014,029 924,037,041,057 966,072,073,083 101,172,187,199 200,202,204,214	013.038,082,113			134(DVD)	863					
Tay Shoon		1000	056,154	-							
Teac	Aleman to	031 107,113,120 127	100.12	002,006							
Technica	950,983,198,187	006 072		040	17.000						
TECHNOSAT	WAN, WES, 195, 187	000,072	100	003,030	parties and the						
TECHNOVISION	151	-	149								
Techwood	050,083,113,176	104				-					
Teco	002,014,028,029 061,077,078,079 086,091,183,187 204			1		087,095					
Tedelax		March 1	104	_							
Teknika	037,055,063,100 103,113,132,136 157,160,167,171 176,177,178,179 188,190,201	078,043,046,047 072,080,107,120	025								
Talecaption II	136,147,178	-		-	100						
Telefunken		113									
Telecunt	063,178	100	-	-		Part I					
Teleview			030								
Tera	014,076,100,113			-							
Texecon			029,031,032								
Thata Digital	- dimension	114									
Thomson/ProScan	851,065,180	051.113			126(DVD)						

				COL	D	ELIST			
Brand/De	rice	TV		VCR	-	Cable/Sat	CD	AUX	
Thorn	-					T onniersat.	L	LD/VCD/DVD	Airconditioner
TMIK		098,101,112,178	-	113	_		T		
Tocom		200,101,112,170	-	094,103,111,116	-				
	-					000,001,031			
Tomashi		054				111	1		
Toshiba		903,010,018,020 024,041,057,101 102,147,150,568 171,172,195,199 200,201,207,214		009,010,013,048 543,001,064,689 993,113,117,134 150		924,074,078 981,105	024,026	659,064 123(DVO)	091
Tosonio		548	-		_				
Totavision		178		\$45.047.103.141		10000			
Trans PX			-	945,047,103,141		112	(SE S		
Tricrition	-					048.069.072 075.112.117 136,179			
						011,109,125	-		
Tri-Lex	10	071(MPEG Card)	-	_		137			
Trigesph		098	-	116	_		5435 - 316		
Tuntex		100	-	110	_		- A		-
Tusa		100	-				200		
TV 88			-		-	030	200		
U-MEN	- 1	187	+			630			
Uniden									
Units			1		-	079 004,006,038	100		-
Unitech				103.141	-	904,106,028	(A)		
United cable United natelitie					-	130		-	
Universal	-				7	977.076	-55		
LIPMOST		65,131,184 55(MPE ()			1	028.027			
	1 6	end)			7	-			
Veccen	+		-		-	100			
Vector Research	111	4	10	25,063,009,109	Ŧ	107			
Victor	06	7,081,165		33.147.150	1		- 1		
Videscon	00	2,018	10	33,142,150	1				
Video Cencepts			0.1	15,100,100,142	+				
Videosonic Videotronic	1		03	8,103,119,141	+				
Pideoraty			07	2	+				
Vidikron					1	24.108			
Adlech	633	113,190			+	31.100	-		
Cowstar	799	,113,190			T				
	O. C.					04,005,008 07,008,837 38,039,042	11		
tking	160		-		10			100	
isa	115		-	-	-				
ortec					06				
falmart					06		1		
farmer Amex		1000			- 02		100		

		VI.	AUX				
3rand/Device	TV	VCR	Cable/Sat.	CD.	LD/VCD/DVD	Airconditione	
Wards	037,051,060,063 082,087,100,100 113,114,116,131 132,136,137,162 163,175,176,178 184,190,207	037,038,646,064 065,070,072,094 097,100,103,107 119,120,125,141	19-				
Warton	081			_			
Winer	ALCOHOL: NAME OF THE PARTY OF T	200	054,087,090	-			
WISO			026,056,145				
XR-1000	A STATE OF THE PARTY OF THE PAR	038.072.103.119					
Yamaha	100,113,114,176	025,011,109,113		005,009	THE CORP.		
Yorx	114,175	William Marketon					
Zenith	062,063,183,219 233,236	647,012.083,064	021,024,076 082,083,084 106,117,126 147	660	867		
Zentek	The state of the s	10.07	966				
Zonda	202	The second second	100				
		300	165,187		Day Control		
	100000000000000000000000000000000000000	100			596		
		-b- 335	of the latest		102,103		
		2000			104,120	123.6	
	and the same				104		
			054		1200		
		3000	067				
	204	1000			SHEET, CO.		
Others	053,054,119,151 182,185,206,209 220,221	052,053,054,055 056,073,076,077	645,647,085 143,146,159 176,177		072,073,074 097, 100,101	085,088	