



# User's Manual

## Gi S 9196 Lite

*Linux HDTV Satellite Receiver*



English

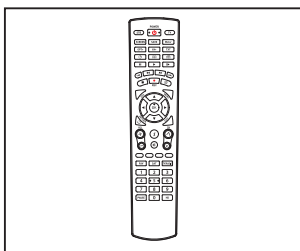


Please read the entire manual thoroughly and retain it for future reference.

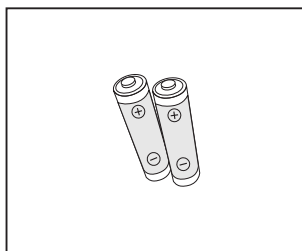
# 1. Getting Start

## 1.1 Package Contents

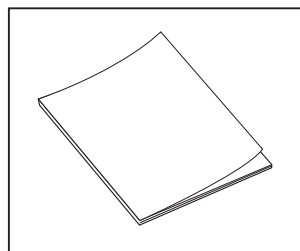
Make sure that the following accessories are supplied with your receiver



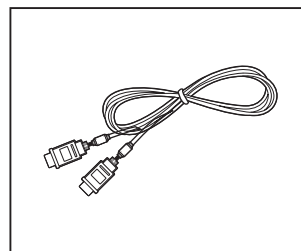
Remote Control Unit



AAABatteries (2EA)






User's Manual



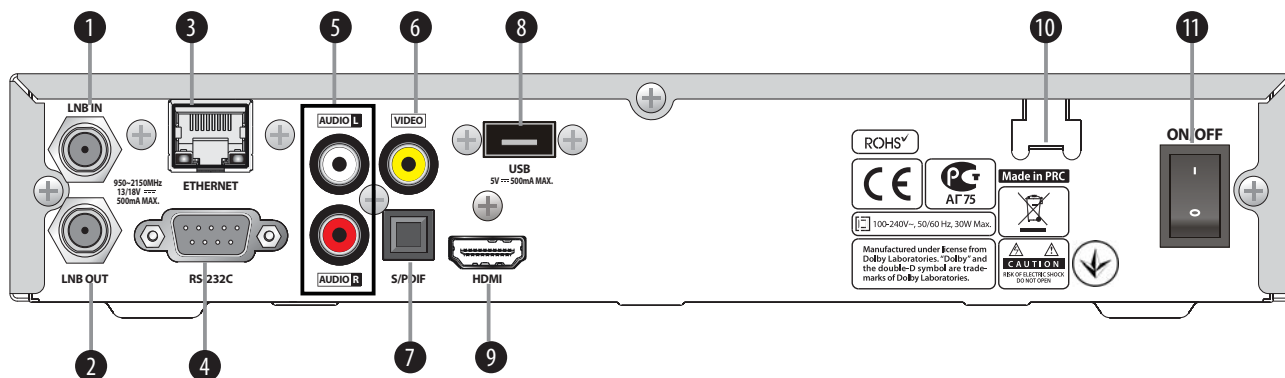
HDMI Cable

## 1.2 Front Panel



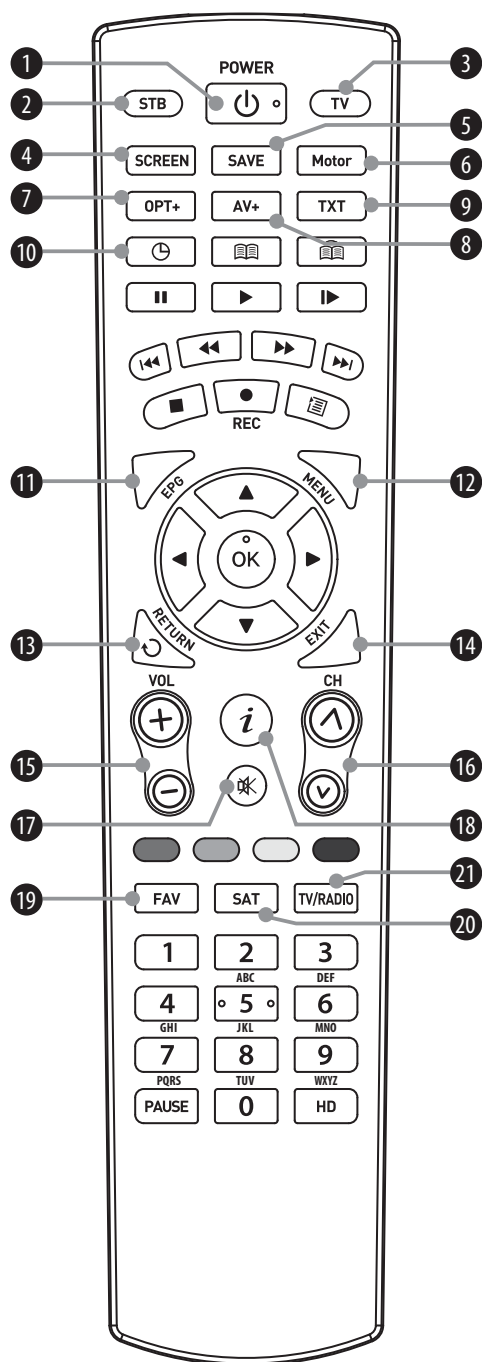
①			Turn on & off the Power
②	 Up	Normal Mode	Change to the next channel
		Menu Mode	Move to the upper item
③	 Down	Normal Mode	Change to the previous channel
		Menu Mode	Move to the lower item
④	Display window		Displays the current state such as channel, time and message
⑤	USB Slot		Insert a USB
⑥	Smartcard Slot		Insert a SmartCard

## 1.3 Rear Panel



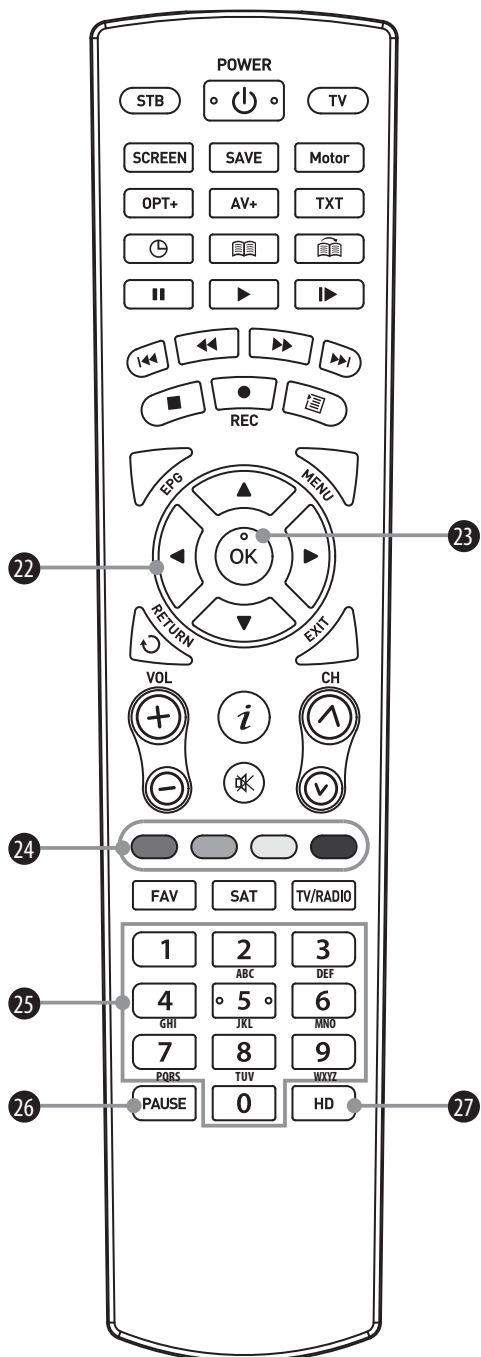
1	<b>LNB IN</b>	Connect Satellite antenna
2	<b>LNB OUT</b>	Connect to the other satellite receivers
3	<b>ETHERNET</b>	Connect TV LAN Cable
4	<b>RS-232C</b>	Connect PC for software upgrade
5	<b>Audio Out(Left/Right)</b>	Connect to audio input jacks on the TV or any external audio system
6	<b>Video Out</b>	Connect to composite video input jack on the TV or any external video system
7	<b>S/PDIF</b>	Connect TV Digital Amplifier (Optical)
8	<b>USB 1</b>	Connect USB memory
9	<b>HDMI</b>	Connect TV through HDMI
10	<b>POWER Supply</b>	100-240V~, 50/60Hz, MAX 35W
11	<b>POWER SWITCH</b>	Switch Power ON/OFF

## 1.4 Remote Control Unit



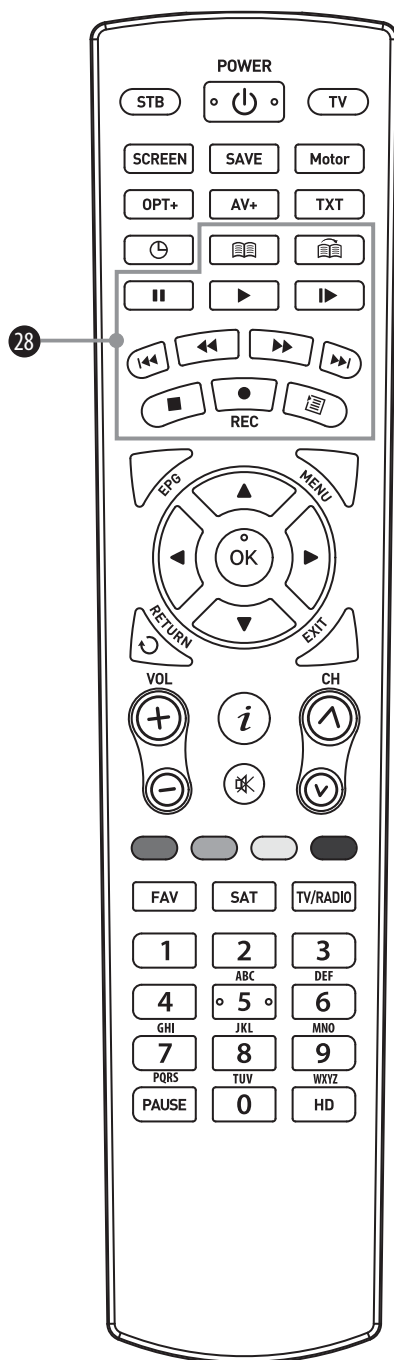
1	Power	Power On/Off	
2	STB	Select STB	
3	TV	Select TV	
4	SCREEN	Set screen format	
5	SAVE	Save current volume & channel	
6	MOTOR	Configure Disqc 1/2Positioner	
7	OPT+	Show additional function menu	
8	AV+	Digital Audio, Teletext, Subtitle menu	
9	TXT	Select TTX	
10		Sleep timer	
11	EPG	Show the Electronic Program Guide	
12	MENU	Normal mode	Show the main menu
		Menu mode	Return to the previous menu
13	RETURN	Go back to previous channel	
14	EXIT	Return to the previous menu	
15	VOL	Adjust the volume	
16	CH	Normal mode	Change channel
		Menu mode	Move menu item
17		Mute the sound	
18	i	Show the current channel information	
19	FAV	Show Favorite Channel List	
20	SAT	Selects satellite	
21	TV/RADIO	Switch TV/Radio mode	

## 1.4 Remote Control Unit



22	VOL ◀▶	Normal mode	Adjust the volume
		Menu mode	Change the left/right item
	CH ▲▼	Normal mode	Change Channel
		Menu mode	Move menu item
23	OK	Normal mode	Show the Channel list
		Menu mode	Excute the select item
24	Color Key	Normal mode	Additional Menu <b>Red</b> - Fine tune menu <b>Yellow</b> - Configure Diseqc 1 2 / Positioner <b>Green</b> -Additional Menu
		Menu mode	Selected function according to the menu
25	Numeric buttons	Normal mode	Selected channel
		Menu mode	Direcnumeric key entry
26	PAUSE	Pause screen	
27	HD	Sort HD channel only	

## 1.4 Remote Control Unit

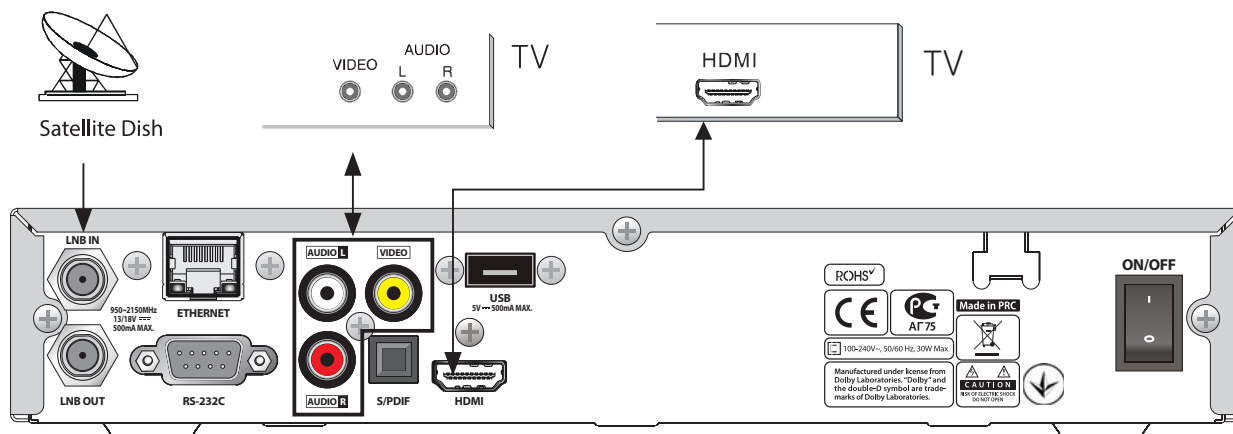


28		<b>PLAY</b> <ul style="list-style-type: none"> <li>- Change to normal speed in trick mode</li> <li>- Show play navigation bar in normal speed</li> </ul>
		<b>STOP</b> <ul style="list-style-type: none"> <li>- Stop file playback and watch live channel in time-shift or playback</li> <li>- Stop recording</li> </ul>
		<b>PAUSE</b> <ul style="list-style-type: none"> <li>- Pause or resume play</li> </ul>
		<b>SFWD(Slow forward play)</b> <ul style="list-style-type: none"> <li>- Change to slow speed forward play</li> <li>- Speed : 1/2X, 1/4X, 1/8X.</li> </ul>
		<b>FREV(Fast reverse play)</b> <ul style="list-style-type: none"> <li>- Change to fast speed reverse play</li> <li>- Speed : -x2, -x4, -x8, -x16, -x32, -x64</li> </ul>
		<b>FFWD(Fast forward play)</b> <ul style="list-style-type: none"> <li>- Change to fast speed forward play</li> <li>- Speed : x2, x4, x8, x16, x32, x64</li> </ul>
		- Go to Start Position
		- Go to End Position
		<b>RECORD</b> <ul style="list-style-type: none"> <li>- Record current Channel</li> </ul>
		<b>BOOKMARK</b> <ul style="list-style-type: none"> <li>- Set Bookmark in time-shift or playback</li> </ul>
		<b>BOOKMARK JUMP</b> <ul style="list-style-type: none"> <li>- Jump to bookmark</li> </ul>
		<b>BROWSER</b> <ul style="list-style-type: none"> <li>- Show File list</li> </ul>

## 1.5 Connecting Your Equipment

Connect related equipments to STB as below

### 1.5.1 Connect TV with RCA cable / HDMI cable



## 6.2 Remote Control TV Setting

### 6.2.1 Mode Switch Buttons

- [STB]: STB mode select button
- [TV]: TV mode select button

### 6.2.2 TV Universal set 1 (4-digit number)

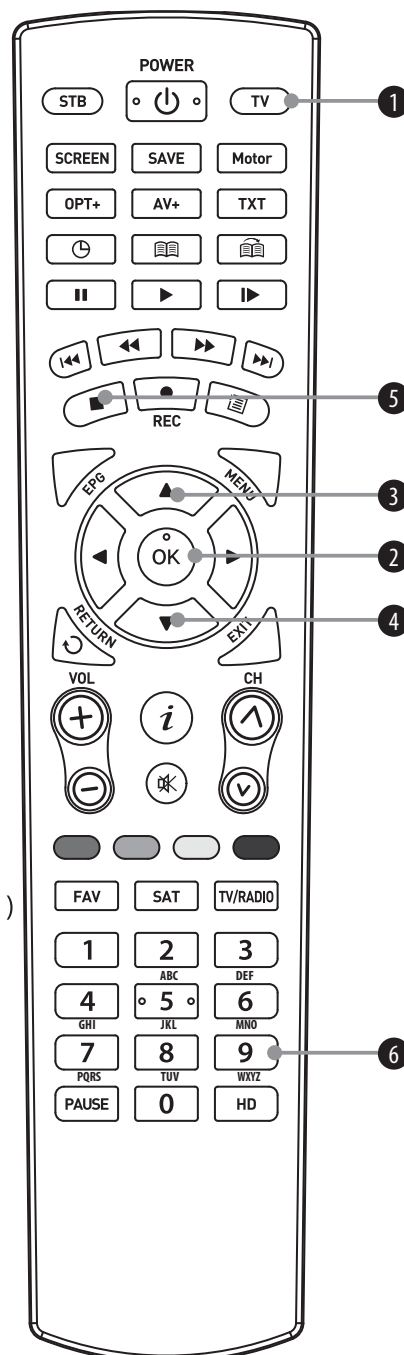
1. Press and release [TV](❶) + [OK](❷) button 3 seconds, [TV](❶) LED blinking three times
2. Set 4-digit number from code list
3. OFF TV LED, then press [OK] (❷)
4. [TV] (❶) blinking three times, setting complete

### 6.2.3 TV Universal set 2 (Auto search)

1. Press and release [TV](❶) + [OK] (❷) key after 3 seconds, [TV](❶) LED blinking three times
2. Press [▲] (❸) or [▼] (❹) key until the TV LED off.
3. OFF TV LED, then press [OK] (❷)
4. [TV] (❶) LED blinking three times, setting complete

### 6.2.4 Software Reset

1. Press and release [TV] (❶) + [OK] (❷) key after 3 seconds, [TV] (❶) LED blinking three times.
2. Press [RECALL] (❺), Press numbers [9] (❻), and then , press [OK] (❷)
3. Then [TV] (❶) LED blinking 5 times and soft Reset





## 6.2 Remote Control TV Setting

### Brand List for TV

[A]							
ACER	415	APOLLO	381	BINATONE	253	CINERAL	219 282
A MARK	222	AR	433	BLACK DIAMOND	208 346	CITIZEN	205 209 215 216 219
A.R.SYSTEM	208 286 409	ARCAM	252 253	BLACK PANTHER	329		242 267 273
ABEX	206	ARCHER	222	BLACK STRIP	394	CITY	224
ACCENT	208 286	ARDEN	208 286 387	BLACKSTRIPE	242 296 298	CLAIRSTONE	266
ACCPHASE	208	ARISTONA	208 286	BLACKTRON	274	CLARIVOX	208 286 323 324 329
ACTION	313 325	ARTHUR-MARTIN	410	BLACKWAY	274		395
ACURA	224	ASA	360 361 370 373 378	BLAUPUNKT	250 251 269 389	CLATRONIC	208 224 253 270 286
ADMIRAL	230 244 270 275 309		395 397 398 399	BLUE SKY	208 254 274 286 346		308 329 374 387 396
	323 397 410	ASBERG	208 286 329 396		387 388 389 400	CLAYTON	346
ADYSON	206 253	ASORA	224	BLUE STAR	274	CME	207 208 218 224 225
AEA	208 286	ASTRA	208 286	BOOTS	224 253		241 244 253 255 256
AGASHI	253 270	ASUKA	253 254 270 274	BOSCH-BAUER	308		258 275 278 285
AGB	384	ATLANTIC	208 286 308	BPL	208 274 286 409	CMS HIGHTEC	253
AGEF	397	ATORI	224	BRADFORD	262	CONCERTO	215
AIKO	208 218 219 224 253	AUCHAN	410	BRINKMANN	208 286 323 376 400	CONCORDE	224
	270 286 307 394	AUDINAC	289	BRIONVEGA	208 286 397 408	CONDOR	208 224 270 274 286
AIM	208 218 286 331	AUDIOSONIC	208 224 253 270 286	BRITANNIA	252 253		308 312 323 329 374
AIWA	348 349 393	AUDIOTON	374 376 380 387 388	BROCKWOOD	229	CONIC	410
AKAI	205 208 218 224 229	AUDIOVOX	253 270 374 376 380		222 257 283	CONRAD	313
	253 270 286 296 299	AUMARK	219 222 262 282	BROTHER	270	CONTEC	208 286
	307 309 325 346 377	AUSIND	379 396	BRUNS	328 380 397		207 208 224 252 262
	382 384 385 386 387	AUTOVOX	253 258 275 307 378		266 270 286	CONTINENTAL EDISON	351
	388 394 410		396 397 405	BSR	303 307 311 410	COSMEL	208 224 286
AKIBA	208 274 286 389	AWA	208 224 253 270 286	BTC	254	CRAIG	262
AKITO	208 286		331 385	BUSH	207 208 224 253 254	CRIPTOVISION	295
AKURA	208 224 254 270 274	AXXENT	224		270 274 286 296 303	CROSLEY	213 313 362 396 397
	286 331 400 407	AXXON	387		307 309 310 346 387		410
ALARON	252 261 265	[B]		[C]	400 401 405 410	CROWN	208 209 224 262 286
ALBA	207 208 224 254 286	BAIRD	218 253 296	CANDLE	205 215 267		296 323 329 374 376
	310 323 346 374 400	BANG & OLUFSEN	397	CAPEHART	325		385 387 388 396 404
	410	BARCO	284 410	CAPSONIC	270	CS ELECTRONICS	407 409
ALCYON	396	BASIC LINE	208 224 253 254 274	CARAD	208 286 400	CTC	252
ALKOS	394		286 389 400 410	CARENA	208 286 389	CURTIS MATHES	308
ALLORGAN	253 311	BASTIDE	253	CARNIVALE	205		205 209 210 211 213
ALLSTAR	208 286	BAUR	208 285 286 287 292	CARREFOUR	207 208 286 395		215 216 226 230 236
AMBASSADOR	241		298 307 309 405	CARVER	213 248		239 242 246 282 296
AMPLIVISION	253 374	BAYSONIC	262	CASCADE	208 224 286	CXC	262
AMSTRAD	208 224 241 249 270	BAZIN	253	CASIO	208 286 405 410	CYBERTRON	254
	286 331 346 355 384	BEAUMARK	229 260	CATHAY	208 286		
	408	BEC	309 313 325	CCE	208 253 277 286	[D]	
ANAM	208 223 224 262 286	BECRESE	242 298 299 309 313	CCI	318	DAEWOO	208 209 219 224 229
ANAM NATIONAL	208 214 286	BEKO	208 286 374 376 380	CENTRUM	346		253 282 286 333
ANGLO	224 270		385 387 388 394	CENTURION	208 286	DAINICHI	254
ANITECH	208 224 270 274 286	BELCOR	229	CENTURY	397	DANSAI	208 224 253 270 286
	329 396	BELL & HOWELL	226 239 296	CGE	291 323 374 396 410		394
ANSONIC	208 224 286 312 329	BEON	208 286 323	CIE	333	DANSETTE	331
	374 380 398 400 410	BERTHEN	400	CIMLINE	224 310	DANTAX	374 376 385 387 388
	413	BEST	374				
AOC	205 222 229 266	BESTAR	208 286 374				
DATSURA	296 409	ELIN	208 224 286 307 398	FLINT	208 218 270 286 389	GORENJE	374
DAWA	208 286		399 405 410	FNR	329	GPM	254
DAYTON	224	ELITE	208 242 254 286 296	FORMENTI	208 286 293 308 376	GRADIENTE	208 212 215 248 280
DAYTRON	208 209 229 286 298		308		396 397 410		286
DE GRAAF	296 410	ELMAN	329	FORMENTI-PHOENIX	362 379	GRADIN	308
DECCA	208 218 253 286 326	ELTA	224 270	FORTRESS	397	GRAETZ	208 244 286 307 309
	384	EMERSON	208 209 229 239 241	FRABA	208 286 374		404 410
DEITRON	208 286		257 260 261 262 263	FRIAC	208 224 286 329 374	GRANADA	208 218 253 286 296
DENKO	270		264 265 266 271 273	FRONTECH	224 244 253 270 309		299 325 381 384 396
DENON	236		376 395 396 397 410		405 410		404 406 407 410
DENVER	208 286 385	EMPEROR	274	FUJITSU	208 223 224 218 253	GRANDIN	208 224 274 286 387
DESMET	208 224 286 308 397	ENVISION	205		261 286 307 325 329		388 389 400 410
DIAMANT	208 286	ERRES	208 286	FUJITSU GENERAL	224 253 410	GRONIC	253 329 410
DIAMOND	270 401	ESC	208 253 286		249 261 262 270 311	GRUNDIG	208 224 250 258 269
DIGATRON	208 286	ESTELE	410	FUTURE	331 400		286 337 370 374 395
DIGILINE	208 286	ETRON	208 224 286 410		208 286	GRUNPY	396 402
DIGITOR	208 286	EURO-FEEL	253 270		262		261 262
DIGIVISION	307	EUROMANN	208 253 270 286 374	[G]		[H]	
DIK	208 286	EUROPA	208 286	GALAXI	208 286 307 329 410	HAIER	270 401
DIXI	208 223 224 253 286	EUROPHON	208 253 286 329 384	GALAXIS	208 286 323 329 352	HALIEAX	270
	328 397		410		374	HALIFAX	253 270
DOMEOS	400	EXCEL	208 286	GALERIA	224	HALLMARK	260
DORIC	405	EXPERT	410	GBC	224 309 362 410	HAMPTON	253
DTS	224	EXQUISIT	208 286	GE	201 203 210 211 214	HANSEATIC	208 224 253 274 286
DUAL	208 253 286 307 405	[F]			229 230 235 260 274		287 307 308 309 311
	410	FAGOR	208 286	GEANT CASIONO	282		312 362 374 380 397
DUALTEC	253	FAMILY LIFE	208 286	GEC	410		405 409 410 413
DUMINT	329	FENNER	224		208 218 253 286 305	HANTAREX	208 224 286 329 384
DUMONT	218 227 229 253 329	FERGUSON	208 286 307 394 398		307 313 326 384 405	HANTOR	208 286
	395 397 398	FIDELITY	208 252 270 286 287	GELOSO	224 309 362 410	HARLEY DAVIDSON	261
DUNAI	410		294 307 331 410		224	HARMAN KARDON	213
DUX	208 286	FILSAI	253	GENERAL TECHNIC	224	HARVARD	262
D-VISION	208 286	FINLANDIA	218 296 307 373 407	GENESIS	208 224 244 254 286	HARWOOD	208 224 286 331
DYNATECH	253		410	GENEXXA	331 410	HAUPPAUGE	208 286
DYNATRON	208 286	FINLUX	208 218 253 261 286		253	HCM	208 224 253 270 274
			303 312 323 326 329	GIANT	205 227 229		286 323 331
[E]			360 361 362 363 370	GIBRALTER	216	HEDZON	208 286
EB TELECOM	295		373 378 379 381 382	GO VIDEO	400	HEMA	224 253
ECTEC	289		383 384 385 386 387	GOLDFUNK	205 206 208 209 215	HEMMERMANN	307 405
ELBE	208 253 286 307 312		388 395 396 397 398	GOLDSTAR	220 221 224 229 234	HIGHLINE	208 270 286
	319 374 384 408 410		399 410		253 260 270 286 303	HINARI	207 208 224 254 261
	413	FIRST LINE	208 218 224 252 253		307 313 325 350 374		270 286 296 410
ELBE-SHARP	384		286 296 307 311 312	GOODMANS	385 410 412	HISAWA	274 289
ELCIT	329 384 397 410		329 387 400 405 410		207 208 218 224 253	HIT	397
ELECTROBAND	266	FISHER	218 239 243 253 296		261 270 286 333 346	HITACHI	206 207 208 215 218
ELECTROHOME	288 296 313		298 307 328 374 397		382 384 394 400 412		229 231 232 236 238
ELEKTA	208 224 270 274 286		398 405 410				240 244 253 256 286
ELG	208 286						

## Brand List for TV

HITACHI	287	292	298	299	300
	301	304	305	306	307
	309	313	314	315	316
	317	325	358	367	381
	382	383	384	399	405
	406	407	410	411	
HITSU	224	389			
HMV	397				
HORNYPHONE	208	286			
HOSHAI	389				
HUANYU	252				
HUSPI ELEKTRONIK	323				
HYGASHI	253				
HYPER	224	253			
HYPER VISION	307	334			
HYPSON	208	253	270	274	286
	387	388	389		
HYUNDAI	208	286			
[I]					
IBERIA	208	286			
ICE	208	224	253	270	286
ICES	254				
ICT	208	286			
IMPERIAL	208	286	291	302	307
	309	312	323	374	396
	405	410			
INDESIT	258				
INDIANA	208	286			
INFINITY	213				
INGEKEN	339				
INGELEN	244	307	387	410	
INGERSOLL	224				
INNO HIT	208	218	224	253	274
	286	325	329	384	396
	412				
INNOVA	208				
INNOVATION	208	286			
INTEQ	227				
INTERACTIVE	208	286	287	307	374
	397	410			
INTERBUY	208	224	270	286	287
INTERFUNK	208	244	286	287	305
	307	309	368	374	377
	397	405	410		
INTERNAL	208	286			

INTERVISION	208	224	253	270	274
	286	329	354	374	376
	389	410			
IRRADIO	208	224	286	379	396
	412				
ISUKAI	208	254	274	286	389
ITC	253				
ITS	208	224	270	274	286
ITT	244	261	296	298	307
	309	373	381	382	404
	405	410			
ITT-NOKIA	261	296	307	368	373
	377	381	382	385	386
	404	405	410		
ITV	208	270	286		
[J]					
JACSON	326				
JBL	213				
JCB	337				
JEC	242	394			
JMB	208	286			
JOCEL	403				
JUBILEE	208				
JVC	207	212	247	294	323
	385				
[K]					
KAISUI	208	224	252	253	254
	274	286	389		
KAMP	252				
KAPSCH	244	305	307	309	398
	410				
KARCHER	208	270	274	286	329
	374	410			
KATHREIN	208	286	287		
KAWASHO	252	276			
KB ARISTOCRAT	410				
KEC	262				
KENDO	208	286	287	309	310
	312	329	374	380	408
	410				
KENNEDY	362	410			
KENWOOD	205	229	399		
KINGSLEY	252				
KITON	208	286			
KLH	325				

KLOSS	202				
KMC	234				
KNEISEL	208	286	312	374	408
	413				
KOLSTER	208	286	329	305	
KONIG	207	208	224	225	244
	251	258			
KONKA	208	286	323	387	
KORPEL	208	286			
KORTING	308	374	397		
KOSMOS	208	286			
KOTRON	270	331			
KOYODA	224				
KTV	205	209	253	262	265
	266	273			
KUBA	405	410			
KUBA ELECTRONIC	307	405	410		
KURO	409				
KYOSHU	270	323	331		
KYOTO	253	410			
[L]					
LASAT	374	376			
LEADER	224				
LECSON	208	286			
LEMAIR	312				
LENCO	208	224	270	286	333
	356	398	410		
LENOIR	224				
LEVIS AUSTRIA	208	286			
LEYCO	208	218	270	286	311
	325				
LG	208	215	224	229	253
	286	307	344	374	385
	387	410	412		
LIESENK & TTER	208	286			
LIESENKOTTER	208	286			
LIFETEC	208	224	270	286	287
	346	400			
LLOYD'S	224				
LLOYTRON	206				
LOEWE	208	213	286	287	346
	347	371	372	374	375
	390	397	408	413	
LOGIK	208	220	226	286	401
LOGIX	400				
LUMA	208	224	286	309	312
	408	410			

LUMATRON	208 408 410	253 224	270 286	286 307
LUX MAY	208 224	286		
LUXMAN	215			
LUXOR	253 304 373 386 412	258 377 405	261 381 406	292 325 382 410 296 367 383 411
LXI	210 242	213 260	227 296	229 239
[M]				
MAGNADYNE	307 410	329 379	362 384	397
MAGNAFON	329 296	379 384	396	
MAGNASONIC	296			
MAGNAVOX	200 208 286	202 213	204 261	205 267 207 268
MAGNUM	208 286	286	387 388	
MAIDSON	208 286			
MAJESTIC	226			
MANDOR	270			
MANESTH	208 310	253 394	270 410	286 308
MANHATTAN	208 310	286 346	400 410	
MARANTZ	205 331	208 213	286 287	
MARELLI	397			
MARK	208 388	224 253	286 387	
MASUDA	208 224	253 270	286 286	
MATSUI	208 253 310 410	218 284 386	224 296 302 405	225 241 307
MATSUSHITA	211 279			
MC MICHAEL	313			
MEDIATOR	208 286			
MEDION	208 222	286 229	287 236	400 296 401
MEGATRON	266			
M ELECTRONIC	208 287 383 388	224 307 399	244 253 405	286 382 410
MEMOREX	215 234 279	216 237 296	224 239	260 270

MEMPHIS	218	224	325		
MERCURY	208	224	286		
METZ	208	286	346	397	400
MGA	205	208	229	233	237
	260	286	398		
MICROMAXX	208	286	346	400	
MIDLAND	206	209	210	211	227
	235				
MINATO	208	286			
MINERVA	258	384	395	396	
MINOKA	208	286	331	407	
MINUTZ	201				
MITSUBISHI	207	208	229	230	233
	237	258	260	286	287
	296	397			
MITSURI GENERAL	410				
MIVAR	252	253	370	374	384
	396	412	413		
MONACO	224				
MORGAN'S	208	286			
MOTION	396				
MOTOROLA	214	230			
MTC	205	215	216	229	252
	266	287	307	374	405
	410				
MULTISTANDARD	329				
MULTITEC	208	286	346	376	400
MULTITECH	208	224	252	253	262
	270	286	309	329	374
	376	396	405		
MURPHY	218	398	410		
MUSIKLAND	208	286			
MULTIMEDIA	332				
MYRYAD	208	286			
[N]					
NAD	229	242	246	260	307
	410				
NAIKO	208	286	385		
NAKIMURA	208	286			
NAONIS	309	410			
NATIONAL	258				
NEC	205	207	208	215	224
	229	248	253	286	389
NECKERMANN	208	253	269	285	286
	287	292	309	312	323
	374	397	405	410	
NEI	208	286	410		

NESCO	261				
NETSAT	208	286			
NEWFUNK	208	224	274	286	387
NEW TECH	208	224	253	286	
NIKKAI	206	208	218	224	242
	252	253	254	270	286
	325	394			
NIKKO	205	210	219	227	229
	239	242	260		
	289				
NISATO	281				
NOBLEX	329	379	395	396	
NOBLIKO	261	270	296	298	304
NOKIA	305	306	307	309	353
	373	381	382	383	385
	386	404	405	407	410
NORDIC	253				
NORDMENDE	208	286	387	410	
NORFOLK	410				
NORMEREL	208	286			
NOSHI	228				
NOVATRONIC	208	286	399		
NTC	219				
NURNBERG	307	410			
[O]					
OCEANIC	244	296	307	309	311
	377	381	382	410	
ODEON	270				
OKANO	208	218	224	270	286
	374				
OMEGA	270				
ONWA	262	329			
OPERA	208	286			
OPTIMUS	230	239	245	246	279
ORBIT	208	286			
ORION	208	224	241	257	261
	270	283	286	307	308
	310	311	329	331	384
	387				
ORLINE	208	286			
ORMOND	208	346	400		
ORSOWE	384				
OSAKI	206	208	218	253	254
	270	286	325	331	
	208	286	412		
OSIO	254				
OSUM	206	208	218	286	325

OTTO VERSAND	207	208	224	253	269	
	274	285	286	287	292	
	298	303	307	308	309	
	310	311	362	380	384	
	405	409				
[P]						
	PACIFIC	208	286			
	PAEL	379				
	PALLADIUM	208	253	286	309	312
		323	374	397	405	410
PALSONIC	208	253	270	286	331	
	401	434	435			
PANAMA	208	224	253	270	286	
PANASONIC	208	210	211	212	213	
	214	216	220	230	236	
	237	239	242	244	245	
	255	258	260	278	279	
	286	307	309	384	410	
PANAVISION	208	286	312			
PATHE CINEMA	252	308	374	405	410	
	413					
PAUSA	224					
PCE/PEC	242	296	298			
PENNY	201	203	205	206	209	
	210	211	215	216	221	
	222	228	229	235	242	
	260					
PERDIO	208	218	274	286	410	
PERFEKT	208	286				
PHASE	206					
PHILCO	200	202	204	205	208	
	213	229	236	267	268	
	283	286	323	362	374	
	396	397	410			
	410					
PHILEX	253					
PHILHARMONIC						
PHILIPS	200	201	202	203	204	
	208	209	213	227	228	
	229	286	287	313	325	
	338	340	349	397	414	
	421	427	428	429	431	
PHOENIX	208	218	286	374	376	
	397	410				
PHONOLA	208	286	308	397		
PILOT	205	208	209	229	286	
	403					
PIONEER	208	244	246	286	287	
	307	374	376	380	410	
PLAYTRON	208	224	270	286		
PLAYSONIC	253	387				

POLICOM	258	307	329	395	397
POLYRON	410				
POPPY	270				
PORTLAND	224				
PRANDON PRINCE	209	219	229		
PRECISION	307	309	379	384	396
PREMIER	253				
PRIMA	224				
PRINZ	224	242	270	296	331
PRISM	218	307	325	405	411
PROFEX	211				
PROFI	224	307	396	410	
PROFITRONIC	208	286	329		
PROLINE	208	218	286	312	
PROSCAN	205	210			
PROSONIC	208	286	374	387	400
PROTEC	309	329			
PROTECH	208	224	253	270	274
	286	323	376	400	405
	410				
PROTON	222	229	260		
PRO-VISION	208	286	346		
PULSAR	227	229	313	325	
PYE	208	286	331	397	405
PYMI	224				
[Q]					
QUASAR	211	214	224	245	279
QUELLE	208	224	225	253	270
	285	286	287	298	303
	307	309	310	311	360
	361	368	370	373	377
	378	379	395	398	399
	400	405	412		
QUESTA	207				
[R]					
R-LINE	208	286	410		
RADIALVA	208	286	410		
RADIO SHACK	205	206	208	209	210
	215	229	239	245	260
	262	286	296		
RADIOLA	208	253	286		
RADIOMARELLI	208	286	384	397	
RADIOTONE	208	224	270	286	323
	331	374	380	400	

## 6.2 Remote Control TV Setting

### Brand List for TV

RADIX	298	SAMSUNG	205 206 208 209 215	SIAREM	329 362 384 397 410	STENWAY	274
RANK	395		216 218 224 229 253	SICATEL	320	STERN	244 270 275 309 312
RANK ARENA	207 395 416 417 418		260 270 277 286 287	SIEMENS	208 250 251 269 286		410
	419		296 325 337 374 410		307	STRATO	208 224 270 286
RBM	395	SAMSUX	209	SIERA	208 286	STYLANDIA	253
RCA	210 211 228 229 230	SANDRA	252 253	SIESTA	374	SUNIC LINE	208 286
	235	SANSEI	282	SIGNATURE	226 242	SUNKAI	208 286 310 311 389
REALISTIC	205 206 209 215 229	SANSUI	208 283 286 389 402	SILVA	208 286 307	SUNSTAR	208 224 270 286
	239 245 260 262 296	SANTON	224	SILVER	207 208 261 286 307	SUNWOOD	208 224 286
RECOR	208 286	SANYO	207 208 218 223 224		388 389 410	SUPERLA	253 384
RECTILIGNE	208 286		225 239 243 253 264	SIMPSON	267 268	SUPERTECH	208 224 286 307
REDIFFUSION	307 373		286 296 297 298 325	SINGER	208 224 286 329 362	SUPRA	215 224
REDSTAR	208 286		326 361 374 376 398		397 410	SUSUMU	254
REFLEX	208 286 346 400		404 409 410 413 420	SINUDYNE	208 241 286 307 329	SUTRON	224
REKORD	359	SAVE	424 425 426 432		362 384 397 405 410	SYDNEY	253
REOC	387	SBR	208 286	SKANTIC	309 406	SYLVANIA	200 202 204 205 213
REVOX	208 286 374	SCHAUB LORENZ	307 309 376 385 387	SKY	208 286		267 268 288
REX	244 270 275 309 312		405	SKYMASTER	399	SYMPHONIC	249
	410	SCHNEIDER	208 253 254 270 286	SLX	400	SYSLINE	208 286
RFT	218 270 286 328 374		307 336 346 353 357	SOGERA	308	[T]	
	380 397 413	SCIMITSU	362 387 400 405 410	SOLAVOX	206 208 218 244 286	TADNDY	325
RHAPSODY	252 265 266	SCOTCH	229		307 410	TANDBERG	307 312 408 410
RICOH	208 286	SCOTLAND	260	SONIKO	208 286	TANDY	218 230 244 253 254
ROADSTAR	208 224 254 270 274		410	SONITRON	253 296 298 374 404		410
	286 323 346	SCOTT	229 257 260 261 262	SONNECLAIR	208 286	TASHIKO	207 253 313 407 410
ROBOTRON	397	SEARS	210 213 215 229 239	SONOKO	208 224 253 270 274	TATUNG	208 214 218 222 253
RODEX	208 286		242 243 249 260 261		286		286 325 384
ROWA	253 270 401 403	SEG	207 208 224 253 270	SONOLOR	244 274 296 307 410	TCM	387
ROYAL LUX	331 374		286 328 329 346 396	SONTEC	208 224 286 374	TEAC	208 224 229 253 270
RTF	208	SEI	400 405 408 410	SONY	206 207 208 225 230		274 286 287 307 323
RUKOPIR	208 286		208 241 286 329 384		264 272 285 286 329		331 346 362 389 400
RUNCO	205 227	SEI-SINUDYNE	397 405 410		424 426 430		401 402 403 405
[S]			208 286 307 309 310	SOUND & VISION	208 286 329	TEC	208 224 253 286 307
SABA	244 305 307 309 397	SELECO	311 329 384 397	SOUNDESIGN	229 260 261 262 267		333 410
	384 410		312 321 322 373 408	SOUNDWAVE	208 286 323	TECHLINE	208 286 329 400
SAGEM	274 339 389	SEMIVOX	410	SPECTRA	224 333	TECHNEMA	308
SAISHO	224 225 241 253 270	SEMP	262	SPECTRICON	222	TECHNICS	210 211 227 279
	310 384 410	SENCORA	242	SQUAREVIEW	249	TECHNISAT	208 286 330 410
SAIVOD	208 286 410	SENTRA	224	SR2000	296	TECHNOLACE	261
SAKIO	270	SERINO	224 242 394 405	SSANGYONG	224	TECHWOOD	211 215 222
SALORA	244 292 296 304 307	SHARP	389	SSS	229 262	TECHNIMAGEN	208
	309 325 364 365 366	SHINTOSHI	207 209 230 245 384	STAKSONIC	224	TEDELEX	208 224 253 286 296
	367 368 369 377 384	SHIVAKI	208 286	STANDARD	208 224 253 254 286		385
	391 392 404 405 406	SHOGUN	208 286	STARLITE	208 224 262 270 286	TEIRON	224
	407 409 410 411 412		229		331 410		
SAMBERS	329 379 384 396	SHORAI	261 311				
SAMPO	205 206 209						

TEKNIKA	209 213 215 216 219	TRIAD	208 286	[W]	
	226 229 237 261 262	TRIDENT	253 384	WALTHAM	208 253 286 304 309
	267	TRISTAR	270		323 400 406
TELECO	335	TRIUMPH	208 241 259 286 373	WARDS	200 201 203 204 205
TELECOR	208 253 286 410		384		213 215 226 229 235
TELEFUNKEN	208 215 286 376	TSOSCHI	274	WATSON	242 245 260 261 268
TELEGAZI	208 270 286 410	TV TEXT	287		208 224 286 308 346
TELEMEISTER	208 286 308	TV TEXT 95	208		400 410
TELESONIC	208 286	[U]		WATT RADIO	307 329 362 405 410
TELESTAR	208 286 331	UHER	208 286 308 323 329	WEGA	207 208 286 397
TELETECH	208 224 286 400		374 376 396	WEGAVOX	208 224 286
TELETON	207 253 267 309 405	ULTRA	289 325	WELTBlick	208 253 286
	410	ULTRAVOX	208 286 329 362 397	WESTON	208 286
TELEVIDEON	308 410		410	WHARFEDALE	208 286
TELEVIEW	208 286	UNIC LINE	208 286 381 389 405	WHITE	208 252 286 296 308
TELEXA	329	UNITED	208 286 387 388	WINDSOR	400
TELEPEX	208 224 286	UNIVERSAL	201 203	WINDSTAR	274
TENNESSEE	208 286	UNIVERSUM	208 224 253 270 286	WINDY SAM	208
TENSAI	208 224 253 254 286		287 307 312 323 373	WINTEL	387
	303 308 311 388 398		374 381 382 383 386	WORLD-TECH	333
	399 410		395 396 398 399 400		
TENSON	224		405 408 410 412	[X]	
TESLA	335	UNIVOX	208 286 397 410	XRYPTON	208 286
TEVION	208 286 400	UTAX	410	[Y]	
TEXTET	224 252 253 254	[V]		YAMAHA	205 229
THOMAS	313 325	VECTOR RESEARCH	205	YAMISHI	208 253 274 286 389
THOMSON	208 258 286 345 405	VESTEL	208 253 286 346 400	YOKAN	208 286
THORN	208 218 242 285 286		410	YOKO	208 224 253 270 286
	287 297 298 307 313	VEXA	208 224 286		333 374 404 409
	315 326 327 394 398	VICTOR	212	YORK	298
	407	VIDEOSYSTEM	208 286		
THORN-FERGUSON	307 394 398	VIDEOLOGIQUE	253	[Z]	
TMK	215 229 241 260	VIDEOTECHNIC	253	ZANUSSI	253 275 309
TOKAI	208 224 253 286 325	VIDEOTON	304 406 410	ZENITH	219 226 227
	400 410	VIDIKRON	213 329	ZENOR	404
TOKYO	394	VIDTECH	207 229 260	ZONDA	222
TOMASHI	274	VISA	207 208 224 225 244		
TOSHIBA	207 216 239 242 253		258		
	259 296 298 329 370	VISION	208 253 286 308		
	394 395	VISTAR	307		
TOSONIC	266	VORTEC	208 286		
TOTEVISION	209	VOXSON	208 244 286 309 323		
TOWADA	253 309 329 405		396 397 410		
TOYODA	224	VTQ	328		
TRAKTON	270				
TRANS CONTINENS	208 253 286 400				
TRANSONIC	208 270 286 287 389				
	401 403				