



TVRC1N

1 IN 1 Remote Control

**Operating Instructions and
Device Codes**



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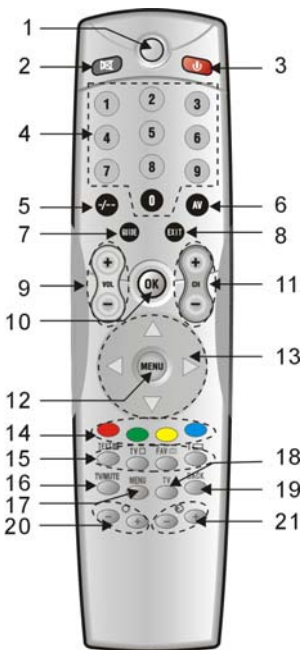
Batteries

This product requires 2 AAA/LR03 Alkaline buttons.

1. Slide the battery cover in the direction of the arrow away from the body of the remote control.
2. Insert the batteries into the remote control as indicated in the battery compartment.
3. Refit the cover.

After replacement of the batteries it will be necessary to re enter the codes for your devices use the inside rear page to record your code numbers for your devices.

Button function



1. LED

LED blinks to show that the remote is working.

2. MUTE

Turn sound OFF or ON.

3. POWER

Switch devices ON or OFF.

4. Number keys

These operate as they did on your original remote control.

5. -/--

Use to enter 1 or 2 digit numbers.

6. AV

Select TV or AV (VCR). (Note. 1)

7. Guide (Note 1)

Shows the guide screen.

8. EXIT (Note 1)

Exit the current mode.

9. VOL+/-

Control the volume of the device.

10. OK

Press this button to confirm the selection from the operation of other buttons.

11. CH+/-

Select next or previous channel.

12. MENU (Note 1)

Access the menu of your chosen component.

13. UP/DOWN/LEFT/RIGHT (Note 1.)

Move the Cursor in the program guide and menu screens

14. Fast text buttons (Note 1)

These operate the fast text on your TV as with your original remote control.

15. Video/Telex (Note. 1)

These operate the VCR when it is selected.

16. TV Mute

Turn sound OFF or ON.

17. MENU (Note 1)

Access the menu of your chosen component.

18. TV

Press TV once to program your remote to operate the TV.

19. Back

Go back to the previous channel or menu you have chosen.

20/21.

Brighten -/+: Darken / brighten the picture

Color -/+: Decrease / Increase the color intensity.

Note 1.: For compatibility with many different types of equipment some buttons may have no effect.

A. DIRECT CODE ENTRY

Warning: program one appliance at a time!

1. Turn on the appliance to be programmed.
2. Look for the brand of the appliance you want to program in the code list and make a note of the first code in the list (e.g. Philips TV 1050 – VCR 5120)
3. Press and hold the “TV” button for 5 seconds until LED starts blinking. Then release the button, LED keeps blinking continuously.
4. When the LED keeps blinking in step 3, enter the previously identified code (e.g. 1050) from the code list. If LED flashes 3 times then turns off, it indicated that the code is accepted. Then press POWER button to see if it can turn off the appliance. If it can turn off the appliance, it means the code is correct; if not, please repeat from step 2 to try another code.

N.B. THE LIGHT INDICATOR STOPS FLASHING.

The remote control exits programming mode and the light indicator stops flashing:

- If no keys are pressed for 15 seconds
- If an invalid code is entered
- If the wrong keys are accidentally pressed.

B. GLOBAL SEARCH REMOTE CONTROL PROGRAMMING

This operation can take up to 20 minutes and should be carried out if you have not succeeded in programming the remote control by means of the other methods.

Warning: program one appliance at a time!

B.1. Power / Play Searching

1. Turn on the appliance to be programmed.
2. Press and hold the "TV" key for 5 seconds until LED starts blinking. Then release the button, LED keeps blinking continuously.
3. When LED keeps blinking in step 2, enter the code 0000; the LED flashes more quickly to indicate that the remote control is ready for the search.
4. Press and slowly release the POWER button repeatedly. Each time you press the POWER button, a code will be transmitted. When the appliance powers off, it indicates that the code is found.
5. Press OK button immediately to confirm. LED will fast flash 3 times and then turns off.

N.B. THE LIGHT INDICATOR STOPS FLASHING.

The remote control exits programming mode and the light indicator stops flashing:

- If no buttons are pressed for 15 seconds
- If a button other than POWER button is accidentally pressed
- If the end of the code search list has been reached. In this case, start again from point 2.

B.2. Mute Searching (TV only)

1. Turn on the TV
2. Press "TV" button and release.
3. Press and hold MUTE button over 5 seconds and do not release. It will enter the mute searching.
4. Keep pressing the MUTE button, LED keeps flashing. When TV shows the mute signal, you can release the MUTE button. LED will flash every 3 seconds.
5. If the MUTE signal shows or disappears on your TV again, press any button to save the code. LED goes off.
6. You can power on the TV by hand and test the CH+, CH-, VOL+, VOL-, etc. If the function button is not working, you may repeat point 2-5.

Note: If LED flashes 15 times, and then goes off, it has exited the setup mode, repeat points 2-5.

C. CURRENT CODE DISPLAY

1. Press and hold the Device button for 5 seconds.
2. When the button is released it will start to flash; press and release the -/-- key within 8 seconds.
3. After a few seconds, the light indicator produces 4 series of flashes, with a pause between each series, corresponding to the current code. Count the number of flashes; each series of flashes corresponds to one figure in the code. 10 flashes stand for 0.
4. Make a note of the code on the adhesive label inside the battery cover for quick and easy future reprogramming.

N.B. This operation cannot be interrupted and the remote control cannot therefore be used until the end of the 4 series of flashes.

TV

NO. Brand or TV

1	A.R.S.	1050 1281
2	ACCENT	1109 1281 1385 1402
3	ACER	1384
4	ACTION	1110
5	ADMIRAL	1109 1110 1184 1185 1198 1275 1309 1322
6	AEG	1380 1407
7	AGASHI	1050 1281 1402
8	AIKO	1074 1109 1259
9	AIM	1050 1078 1111 1339 1388 1402
10	AIOSTAY	1077 1104 1109 1199
11	AIWA	1162 1255 1303 1313
12	AKAI	1050 1055 1056 1074 1077 1108 1109 1110 1111 1112 1113 1139 1166 1167 1168 1179 1181 1189 1199 1218 1223 1224 1235 1259 1280 1281 1283 1285 1310 1347 1376 1380 1388 1394 1402 1408 1410 1608
13	AKARI	1333
14	AKI	1075 1380 1410
15	AKIBA	1221 1258
16	AKIRA	1236 1402
17	AKURA	1109 1192 1259 1281 1376 1402
18	ALBA	1050 1071 1199 1259 1280 1315
19	ALBATRON	1326
20	ALBIRAL	1050 1071 1073 1078 1199 1227 1281 1380 1408 1410
21	ALHORI	1074 1077
22	ALLORGAN	1074 1194 1246
23	ALL-TEL	1332
24	ALTEK	1328
25	AMPLIVISION	1077 1078
26	AMSTRAD	1050 1109 1110 1185 1255 1256 1259 1280 1281 1306 1307 1331 1356 1380 1407 1409
27	ANEX	1050 1380 1410
28	ANGLO	1281
29	ANITECH	1050 1098 1109 1110 1201 1227
30	ANSONIC	1072 1089 1110 1281 1380 1410
31	ANTECNO	1259
32	APELSOUND	1255

33	AR SYSTEM	1078 1221
34	ARCELIK	1236
35	ARDEM	1091 1236 1376
36	ART-TECH	1110 1258 1408 1409 1410
37	ASA	1055 1088 1104 1105 1198 1275 1344 1408 1410
38	ASBERG	1050 1098
39	ASTHON	1380 1410
40	ASTRA	1050 1109 1280
41	ASTROSOUND	1078 1190 1227 1380 1410
42	ASUKA	1199
43	ATORI	1110
44	AUDIOSONIC	1050 1065 1068 1071 1073 1074 1077 1080 1089 1091 1098 1109 1110 1111 1115 1117 1179 1196 1199 1219 1227 1236 1255 1258 1259 1281 1376 1381 1402 1408 1409 1410
45	AUDIOSTAR	1258 1259
46	AUDIOTON	1071 1074 1110 1201
47	AURORA	1074 1111
48	AUTOVOX	1070 1074 1194 1202 1237 1245 1246 1380 1407 1409
49	AVERMEDIA	1308
50	AWA	1050 1074 1082 1109 1110 1111 1224 1225 1376 1402
51	AXXENT	1408 1410
52	BAIRD	1225 1250 1339 1340
53	BANG&OLUFSEN	1050 1165 1275 1276 1581
54	BARCO	1276
55	BASIC LINE	1050 1177 1179 1258 1259
56	BAUMATIC	1281
57	BAUR	1050 1052 1056 1060 1101 1179 1187 1193 1194 1343 1380 1385 1402 1410
58	BAZIN	1074 1187
59	BEKNTEKNIK	1089
60	BEKO	1050 1080 1089 1091 1214 1230 1236 1376 1380 1410
61	BENSTEN	140 4
62	BEON	1234
63	BESTAR	1388
64	BIAZET	1186
65	BIFONIC	1074 1077
66	BIGSTON	1109 1111

67	BLAUPUNKT	1056 1082 1083 1084 1085 1086 1221 1329
68	BLAUSONIC	1074 1077
69	BLOOM	1310 1380 1397
70	BLUE STAR	1186 1190 1199 1204
71	BLUESKY	1050 1158 1213 1236 1243 1259 1303 1376 1380 1383 1388 1394 1397 1407
72	BONDSTEC	1070
73	BRANDT	1057 1155 1230
74	BRIGMTON	1074 1078 1408 1410
75	BRIONVEGA	1050 1067 1096 1184 1185 1242 1265 1266 1275 1276 1322 1402 1406
76	BRITANNIA	1074 1177 1376
77	BSR	1183 1199 1315 1317
78	CAMPER	1091 1196 1236 1376
79	CANTON	1259
80	CAPSONIC	10501281
81	CARENA	12211376
82	CASIO	1233 1255 1370
83	CELEBRITY	1608
84	CELINT	1205
85	CENTURY	10711072 1275
86	CGE	1050 1072 1089 1098 1109 1186 1188 11891190 11991234 1255 1309 1409
87	CGM	1050 1080 1089 1091 1109 1110 1243 1258 1281 1376 1408
88	CIE	1109 1111 1259 1317 1408 1410
89	CIHAN	1205 1402
90	CINEMA	1380
91	CLARIVOX	1050 1073 1078 1097 1104 1199 1219 1233 1244 1252 1275
92	CLAYTON	1050 1380
93	COFADEL	1251
94	COLOR MAT	1276
95	COM	1056 1148 1150 1152 1214 1346 1347 1385 1388 1393 1397
96	COMET	1408 1410
97	COMPUTRON	1050 1055 1109
98	CONCORDE	1109
99	CONTEC	1065 1077 1082 1109 1110 1281 1317

100 CONTI	1402
101 CONTINENTAL	1050 1112 1376 1380 1402 1410
102 COSMEL	1050 1109 1110 1219 1408
103 COSMOS	1110
104 CROWN	1050 1080 1089 1090 1091 1098 1109 1110 1236 1259 1378 1380 1410
105 CRYSTAL	1050 1091 1373 1376 1380 1402 1410
106 CS ELECTRONICS	1070 1077 1259
107 CTC CLATRONIC	1050 1071 1072 1074 1089 1098 1110 1188 1201 1227 1234 1259 1280 1281 1376 1380 1394 1399 1407 1410
108 CURTIS MATHES	1050
109 CYMATIC	1073 1074 1077 1186 1199
110 CYV	1376
111 DAEWOO	1050 1069 1074 1109 1110 1111 1116 1117 1118 1119 1120 1121 1122 1144 1221 1224 1259 1283 1371 1376 1380 1381 1388 1408 1447 1458 1575 1466 1578 1550 1573 1532 1507 1566 1549 1518 1410
112 DAICHI	1109
113 DAIMOND	1402
114 DAINICHI	1077
115 DANSAI	1281
116 DAWA	1050 1402
117 DE GRAAF	1187
118 DEMACOLOR	1098
119 DENKO	1281
120 DENVER	1110 1328 1409
121 DESMET	1050 1073 1076 1109 1199 1201 1376 1383
122 DIADEM	1184
123 DIBOSS	1211
124 DIGIHOME	1380
125 DIGILINE	1376 1411
126 DINASTY	1110 1111 1376
127 DNT	1073
128 DOMEOS	1050 1376 1402
129 DOMOH	1376 1380 1410
130 DORIC	1209 1226

131 DUAL-TEC	1050 1071 1074 1077 1093 1101 1109 1110 1163 1179 1183 1185 1189 1194 1199 1202 1243 1373 1376 1380 1381 1383 1388 1400 1402
132 DUMONT	1050 1088 1098 1104 1105 1205 1227 1234 1275 1276 1341 1344 1376 1380 1383 1410
133 DUNAI	1199
134 DUX	1402
135 D-VISION	1376 1388 1414
136 DYNAMIC	1109
137 EASY LIVING	1217
138 ECHOSTAR	1050 1074 1109
139 ECO LINE	1050
140 EDAN LINE	1050 1376
141 ELBE	1053 1065 1073 1074 1077 1078 1184 1185 1190 1199 1242 1304 1309 1322
142 ELECTRO TECH	1110
143 ELECTROBAND	1608
144 ELEKTA	1050 1109 1111 1258 1281
145 ELEKTRONSKA	1199
146 ELEMIS	1050 1091 1186
147 ELIN	1050 1074 1088 1093 1109 1179 1181 1187 1344 1408 1410
148 ELITE VIDEO	1523 1201
149 ELLEVISION	1137
150 ELMAN	1199 1227
151 ELSAY	1050
152 ELTA	1109
153 EMERSON	1050 1071 1089 1098 1104 1186 1190 1199 1201 1227 1275 1276 1408 1280 1281 1376 1380 1410
154 ENGEL	1233
155 ESP	1202 1246 1249 1253
156 ETRON	1050 1109 1204
157 EUMIG	1201
158 EUROCOM	1190 1199
159 EUROLINE	1050 1388
160 EUROMAN	1050 1074 1077 1090 1281 1402
161 EUROPHON	1071 1073 1074 1077 1199 1227 1228 1254 1373
162 FAGOR	1190 1199
163 FAIRMOST	1110

164 FENNER	1090 1109 1111 1221 1258 1376 1406 1408 1410
165 FIDELIS	1050 1074 1077 1109 1110 1402
166 FIDELITY	1074 1077 11101177 1202 1280
167 FILSAI	1074
168 FINLANDIA	1178 1196 1205
169 FINLUX	1055 1073 1088 1098 1104 1105 1109 1166 1168 1170 1179 1181 1205 1206 1224 1227 1228 1234 1235 12421344 1394 1408 1410
170 FIRST LINE	1050 1072 1074 1077 1078 1109 1111 1177 1179 1184 1189 1190 1193 1194 1199 1201 1202 1224 1228 1230 1242 1243 1363 1380 1388 1402 1408 1410
171 FISHER	1062 1063 1064 1065 1074 1082 1088 1089 1101 1113 1194 1202 1205 1233 1275 1342
172 FLINT	1050 1221 1304 1380
173 FLORIDA	1074
174 FORMENTI-PHO ENIX	1050 1077 1089 1098 1109 1111 1186 1188 1190 1199 1201 1205 1206 1232 1276 1281 1374 1376 1380 1383 1399 1402 1405 1408 1410
175 FORTRESS	1276
176 FRABA	1050 1376 1380 1410
177 FRONTECH	1070 1072 1074 1109 1178 1199
178 FUJI	1258
179 FUJITECH	1050
180 FUJITSU	1077 1174 1175 1183 1185 1227 1246 1259 1344 1371
181 FUMEO	1183
182 FUNAI	1082 1110 1255 1281 1317
183 FUTRONIC	1281
184 GALACTEX	1074
185 GALAXI	1072 1104
186 GALAXIS	1050 1089 1234 1376 1380 1410
187 GALERIA	1109 1110
188 GBC	1065 1069 1071 1109 1110 1111 1198 1199 1205 1223 1224 1258 1259 1280 1408 1410
189 GEBER	1179 1202

190 GEC	1065 1073 1074 1179 1188 1198 1203 1206 1207 1209 1224 1225 1354
191 GELOSO	1071 1073 1109 1110 1111 1198 1199 1205 1259
192 GEMSOUND	1109 1259
193 GENERAL TECHNIC	1110 1111
194 GERICOM	1332
195 GIANT	1050 1074 1138
196 GITEM	1050 1056 1177 1200 1204 1251
197 GMG	1109 1110 1234 1281 1408 1410
198 GOLD TOP	1258
199 GOLDFUNK	1243
200 GOLDLINE	1304
201 GOLDTECH	1050 1243
202 GOODING	1112
203 GOODMAN'S	1050 1051 1109 1111 1116 1199 1236 1319 1380 1381 1408 1410 1413 1416 1419
204 GORENJE	1050 1089 1090
205 GPM	1110 1259
206 GRADIENTE	1144
207 GRANADA	1050 1065 1073 1074 1082 1100 1108 1138 1177 1178 1186 1187 1189 1198 1208 1209 1226 1342 1350 1402
208 GRANDIN	1050 1102 1179 1190 1199 1201 1220 1221 1236 1241 1243 1244 1258 1259 1268 1271 1277 1303 1304 1323 1332 1363 1376 1380 1381 1388 1396 1400
209 GREAT WALL	1219
210 GRENADIER	1050 1109 1199 1334
211 GRONIC	1050 1074 1199 1227 1233
212 GRUNDIG	1056 1083 1086 1087 1097 1100 1112 1164 1319 1352 1388 1404
213 GTT	1109 1110 1234 1258 1409
214 HAMMERSTEIN	1074 1281
215 HAMPTON	1074 1077 1206
216 HANIMEX	1259
217 HANSEATIC	1050 1056 1073 1077 1082 1091 1109 1116 1179 1187 1190 1201 1202 1205 1206 1317 1371 1376 1380 1381 1402 1410

218 HANTAREX	1050 1073 1081 1095 1109 1332 1353
219 HARROW	1380
220 H-B	1380
221 HCM	1074 1109 1110 1199 1258 1409
222 HEMMERMANN	1074 1193 1202 1227 1254
223 HIGASHI	1074 1077
224 HILINE	1109
225 HINARI	1050 1065 1109 1179 1204 1213 1233 1259 1281 1319 1376 1408 1410
226 HISAWA	1221 1304 1376 1419
227 HISENSE	1264 1339
228 HISONIX	1110 1113
229 HITACHI	1050 1055 1065 1074 1116 1166 1168 1170 1178 1181 1186 1187 1188 1198 1203 1206 1207 1209 1216 1239 1251 1253 1257 1354 1355 1356 1357 1358 1359 1360 1361 1362 1364 1365 1366 1367 1371 1380 1381 1388 1393 1402 1407
230 HITSU	1221 1304
231 HOHER	1211 1332 1380 1400
232 HOME ELECTRONICS	1388
233 HOSHAI	1258 1259
234 HOSPITALIERE	1380
235 HYPER	1050 1070 1074 1077 1080 1091 1109 1110 1124 1195 1199 1231 1258 1259 1280 1281 1380 1408 1409 1410
236 HYPSON	1050 1091 1109 1236 1243 1281 1376 1380 1381 1396 1400
237 HYUNDAI	1300 1301 1324 1351 1436
238 IBERIA	1322
239 IBERVISAIO	1179 1190 1202
240 ICE	1050 1072 1077 1109 1259 1280 1281
241 IEG	1074 1077
242 IMC	1385
243 IMPERIAL	1050 1069 1071 1072 1089 1098 1109 1186 1188 1189 1190 1234 1255 1309 1348 1380 1383
244 INDESIT	1249

245	INGERSOLL	1109
246	INNO HIT	1050 1071 1073 1074 1103 1109 1110 1205 1223 1224 1258 1259 1280 1281 1378 1380 1381 1402 1407 1408 1409 1410
247	INT	1281
248	INTERBURG	1109
249	INTERBUY	1070
250	INTERDISCOUNT	1050 1052 1251
251	INTERFUNK	1050 1100 1179 1200 1206 1207 1215 1234 1275 1402
252	INTERVISION	1050 1056 1069 1071 1074 1089 1109 1199 1221 1227 1232 1381
253	IRRADIO	1050 1070 1103 1109 1110 1115 1118 1123 1199 1243 1259 1280 1281 1282 1284 1334 1376 1380 1390 1398 1408 1409 1410
254	ISKRA	1073 1077 1080 1199 1227
255	ISUKAI	1258 1259
256	ITC	1074 1075 1199 1376
257	ITL	1109
258	ITS	1259
259	ITT-NOKIA	1050 1055 1064 1088 1092 1100 1105 1118 1166 1167 1168 1169 1170 1177 1178 1179 1181 1182 1186 1191 1193 1194 1198 1200 1202 1205 1206 1207 1208 1235 1240 1246 1319 1339 1343 1355 1376 1380 1407
260	ITV	1402
261	JCB	1608
262	JET POINT	1050 1402
263	JOHNSON	1074
264	JVC	1065 1082 1140 1141 1142 1143 1144 1145 1146 1174 1259 1280 1325
265	KAISER	1050 1402
266	KAISUI	1077 1109 1221 1258 1259 1304 1380 1410
267	KAMAR	1113
268	KAMBROOK	1074 1077 1199 1232 1251 1281 1402
269	KAMOSONIC	1074
270	KARCHER	1050 1074 1075 1078 1090 1109 1110 1178 1228 1258 1371 1376

	1378 1402 1408
271 KAWASHO	1608
272 KAYA	1110 1281
273 KENDO	1050 1071 1074 1109 1184 1185 1196 1199 1227 1232 1242 1315
274 KENNEDY	1071 1092 1093 1183 1185 1205 1242 1245 1246 1309
275 KENNEX	1050 1243 1376 1380 1381 1407
276 KERION	1050 1380 1410
277 KEYMAT	1368
278 KIC	1074 1078 1113
279 KIMAY	1281
280 KINGDHOME	1380
281 KIOTA	1109 1221 1281
282 KITT	1074 1281
283 KITTEN	1408 1410
284 KLARMAX	1073 1077 1078 1186 1199
285 KNEISSEL	1053 1233 1242 1304 1309 1312 1381 1400
286 KOBIC	1109
287 KOENIG	1201 1206
288 KOLSTER	1069 1071 1077 1078 1199 1227 1259 1281 1408 1410
289 KONICHI	1109
290 KONKA	1050 1280 1388 1401 1586 1486 1510 1490
291 KONTAKT	1112
292 KORTING	1089 1201 1275 1376
293 KOTRON	1281
294 KRONNE	1074 1077 1199
295 KUBA	1101
296 KYOTO	1073 1074 1077 1190 1199
297 LAVA	1211
298 LAVIS	1073 1078 1088 1179 1233
299 LCE	1280
300 LEADER	1109
301 LENCO	1088 1091 1109 1110 1115 1179 1227 1376 1380
302 LENOIR	1074 1110 1111 1202 1243 1258 1281 1307 1376 1380 1408 1409 1410
303 LEYCO	1050 1225 1281 1317 1376 1402 1408
304 LG-GOLDSTAR	1050 1056 1069 1070 1074 1077 1093 1103 1109 1178 1183 1187

	1199 1232 1236 1239 1279 1281
	1282 1312 1334 1336 1342 1376
	1380 1400 1402 1408 1409 1410
305 LIESENKOTTER	1050 1402
306 LIFE	1109 1230
307 LIFETEC	1243 1376 1380 1409
308 LLOYD'S	1074 1206
309 LOEWE OPTA	1073 1088 1274 1275 1385 1386 1402 1593
310 LOGIK	1050 1213
311 LOGISTIC	1221
312 LUMA	1050 1074 1093 1109 1111 1183 1185 1196 1198 1207 1242 1246 1380 1388
313 LUMATRON	1185 1376 1380
314 LUXOR	1055 1074 1100 1103 1105 1170 1178 1179 1181 1186 1187 1191 1195 1200 1203 1206 1207 1235 1239 1339
315 M.D.C	1409
316 MACROM	1114
317 MADISON	1050 1376
318 MAGNADYNE	1050 1071 1073 1089 1109 1193 1199 1202 1205 1227 1232 1275 1376 1380 1402 1410
319 MAGNAFON	1050 1073 1077 1104 1199 1227 1228 1376 1380 1402 1410
320 MAGNASONIC	1408
321 MAGNAVOX	1398 1406 1388 1050
322 MAGNEX	1050 1281
323 MAGNUM	1236 1397
324 MANESTH	1179 1201 1202 1206 1315 1376 1380 1388 1410
325 MANHATTAN	1050 1243 1380
326 MARANTZ	1590 1447 1458 1050 1389 1402
327 MARECH	1201
328 MARSHALL	1109
329 MASCOT	1072
330 MATCH ITALIA	1050 1110 1281 1408 1410
331 MATSUI	1050 1056 1069 1074 1109 1112 1178 1179 1187 1188 1209 1213 1281 1315 1339 1375
332 MATSUKA	1074
333 MAXAM	1109
334 MAXELL	1110 1199 1258

335	MAXIMAL	1204
336	MAXON	1110
337	MAXWELL	1076 1227 1376
338	MC PERSON	1327
339	MCE	1137 1281
340	MECOA	1376
341	MEDION	1230 1277 1303 1310 1376 1380 1388 1409
342	MELECTRONIC	1050 1055 1056 1069 1071 1088 1101 1104 1105 1109 1111 1167 1168 1170 1193 1202 1242 1344 1371 1378 1380 1381 1385 1388 1408 1410
343	MEMPHIS	1219
344	MERCURY	1050 1074 1078 1109 1113 1221 1281
345	METZ	1056 1079 1083 1153 1171 1172 1243 1269 1275 1374 1380
346	MGA	1111 1259 1402
347	MGAON	1281
348	MICRON	1074 1077
349	MICROSTAR	1230
350	MIGROS ELECTRONIC	1242
351	MITSUBISHI	1138 1213 1275 1381 1402 1056 1063 1065 1082 1109 1111 1122 1134 1135 1136 1137
352	MITSURI GENERAL	1189
353	MIVAR	1053 1054 1066 1073 1074 1077 1099 1106
354	MOBILE TV	1380
355	MTC	1089 1199
356	NAGOYA	1178 1205
357	NAKAMURA	1255
358	NARITA	1074 1111 1334
359	NEC	1062 1078 1082 1109 1111 1118 1156 1213 1221 1329 1330
360	NECKERMANN	1050 1056 1060 1074 1083 1089 1109 1110 1178 1184 1186 1187 1196 1201 1207 1242 1275 1317 1370 1376 1378 1380 1383 1385 1388 1401 1402 1410
361	NEI	1050 1178 1186 1199 1219
362	NEOVIA	1129 1210 1211 1270 1273 1332

	1351	1352	1430	1432	1433
363 NESCO	1070	1319			
364 NEU	1371	1381			
365 NEUFUNK	1374	1380			
366 NEWMAR	1074	1077	1186	1199	
367 NEWTECH	1051	1077	1110	1402	
368 NEXIUS	1237	1302	1378	1379	1396
369 NIKE	1376				
370 NIKKAI	1074	1239	1281		
371 NIKKEI	1050	1217	1243	1281	1380
372 NOBLEX	1062	1063	1065	1109	1110 1111
373 NOBLIKO	1071	1077	1097	1098	1104 1227
374 NORDING	1098	1227			
375 NORDMENDE	1051	1057	1154	1155	1194 1202
	1205	1206	1214	1215	1216 1230
	1251	1253	1263	1278	1388 1396
	1400	1407			
376 NORDWAY	1189				
377 NORFOLK	1206				
378 NORM N	1050				
379 NORTEK	1050	1243			
380 NORTON	1258				
381 NORWAY	1089	1189			
382 NOVATRONIC	1050	1109	1110	1111	1281 1376
	1380	1381	1410		
383 O GENERAL	1082	1109			
384 OCEANIC	1055	1168	1177	1178	1179 1181
	1182	1187	1193	1203	1204 1206
	1207	1244	1247	1252	1339
385 OCTAL	1074	1077			
386 OKANO	1089	1109			
387 OLIDATA	1326				
388 OLYMPIC	1109				
389 ONCEAS	1069	1074	1109		
390 ONIDA	1050				
391 ONWA	1235	1280	1283		
392 ORAVA	1110	1402			
393 ORBITER	1089				
394 ORIENT	1109				
395 ORION	1050	1109	1178	1186	1193 1202
	1213	1221	1237	1254	1259 1281
	1302	1303	1313	1314	1315 1316
	1317	1318	1370	1376	1380 1388
	1400	1406	1410		
396 ORMOND	1050	1243	1380		

397 OSAKI	1281 1317 1408
398 OSIO	1103
399 OTF	1050 1199
400 OTTO VERSAND	1050 1051 1052 1056 1060 1074 1082 1083 1091 1101 1108 1125 1178 1179 1187 1205 1232 1315 1317 1380 1385 1388 1402 1410
401 OVP	1050
402 PAEL	1077 1100
403 PALSONIK	1050 1074 1109 1259 1281
404 PANAMA	1281 1402
405 PANASHIBA	1109
406 PANASONIC	1056 1107 1108 1147 1148 1149 1150 1151 1152 1199 1206 1321
407 PANAVISION	1242 1281 1376
408 PANAVOX	1109 1205
409 PANORAMA	1074 1109
410 PANORAMIC	1251
411 PATHE'CINEMA	1074 1077 1078 1089 1199 1201 1244 1252
412 PAUSA	1109
413 PCM	1376 1380 1410
414 PERSHIN	1100 1244 1252
415 PHILARMONIC	1069 1074
416 PHILCO	1275 1309 1376 1255 1234 1050 1072 1082 1089 1090 1098 1109 1186 1188 1189 1190 1199 1205 1233
417 PHILIPS	1050 1056 1065 1077 1078 1083 1111 1139 1173 1251 1275 1374 1376 1380 1382 1383 1387 1388 1389 1392 1393 1395 1396 1397 1398 1399 1401 1402 1403 1406
418 PIONEER	1050 1179 1216 1251 1296 1297 1298 1299 1400 1402
419 PLANTRON	1110
420 PLASMATECH	1095 1332
421 PLAYSONIC	1074 1078 1275
422 POPPY	1109
423 PORTLAND	1376 1381 1409
424 PRANDONI- PRINCE	1050 1071 1073 1186 1198 1205 1227 1241 1243 1268 1332 1363 1373 1380 1388 1396 1400
425 PRIMA	1074 1281
426 PRINCESS	1109

427 PRINZ	1317
428 PROFESSOR	1050
429 PROFEX	1098 1109 1178 1189 1197
430 PROFITRONIC	1050 1227
431 PROLINE	1057 1116 1242 1316 1380 1383
432 PROSOSNIC	1376 1402 1409
433 PROTECH	1050 1091 1109 1110 1199 1234 1238 1243 1376 1380 1388 1402 1408 1409 1410
434 PROVISION	1111 1370
435 QUADRIGA	1168 1387 1415 1417
436 QUALCRAFT	1259
437 QUELLE	1050 1052 1056 1060 1062 1070 1074 1082 1088 1090 1097 1100 1103 1104 1105 1109 1139 1161 1167 1168 1170 1179 1181 1199 1213 1234 1242 1281 1317 1344 1380 1402 1408 1410
438 RADIALVA	1111
439 RADIONETTE	1088 1179 1206 1207 1344
440 RADIOTONE	1050 1080 1109 1220 1238 1281 1388
441 RBM	1178 1186 1189 1209 1226 1376
442 RECOR	1050 1376 1402
443 RECORD	1078
444 REDDER	1078
445 REDIFFUSION	1179 1206 1209 1226
446 REDPOINT	1112
447 REFLEX	1050 1243 1376 1380 1388 1410
448 REGENTE	1109
449 RELISYS	1257 1332
450 REVOX	1385
451 RFT	1080 1091 1125 1179 1227 1233 1259 1275 1276 1391
452 RIZ	1190 1199
453 RM2000	1050 1243 1374 1380 1410
454 ROADSTAR	1050 1110 1115 1122 1123 1199 1236 1243 1259 1272 1281 1303 1307 1312 1320 1363 1376 1380 1388 1390 1400 1402 1406 1407 1408
455 ROBERTS	1319
456 ROSNER	1074
457 ROWA	1074 1109 1281 1376
458 ROWSONIC	1074 1077

459 ROYAL	1050 1074 1109 1259 1281
460 RUNCO	1330 1590 1530
461 SABA	1051 1057 1073 1122 1154 1155 1159 1206 1207 1212 1214 1215 1216 1250 1251 1253 1275 1278 1311 1380
462 SAGEM	1304 1335
463 SAISHO	1050 1074 1078 1111 1193 1213 1259 1315 1317
464 SAKURA	1109
465 SALORA	1055 1105 1166 1167 1168 1170 1177 1178 1179 1181 1182 1187 1189 1193 1196 1198 1199 1203 1206 1207 1235 1239 1339 1343 1376 1388
466 SAMBERS	1073 1078 1098 1103 1104 1203 1227 1228 1255 1332 1353
467 SAMSUNG	1050 1074 1089 1102 1103 1109 1113 1176 1221 1223 1224 1225 1239 1281 1286 1287 1288 1289 1290 1291 1292 1293 1294 1295 1337 1369 1381 1385 1388 1389 1390 1393 1402 1408 1410
468 SANDRA COLOR	1074 1077
469 SANKYO	1359 1376
470 SANSUI	1050 1109 1221 1376 1402 1407
471 SANYO	1224 1225 1233 1275 1330 1338 1339 1340 1341 1342 1343 1213 1062 1063 1064 1065 1074 1082 1088 1089 1109 1145 1205 1213
472 SATRONIC	1072
473 SCHAUB LORENZ	1050 1055 1089 1109 1110 1111 1167 1179 1181 1182 1189 1191 1201 1202 1206 1207 1234 1243 1255 1258 1281 1303 1339 1374 1376 1380 1383 1385 1388 1402 1408 1409 1410
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475 SCOTLAND	1050
476 SCOTT	1201 1376 1380 1410
477 SEAWAY	1380

478 SEELVER	1380
479 SEG	1050 1071 1072 1074 1098 1182 1199 1227 1233 1243 1259 1376 1380 1410
480 SEIKO	1111
481 SEITECH	1217 1237
482 SELECO	1050 1065 1092 1093 1105 1150 1179 1183 1184 1185 1198 1199 1208 1214 1242 1245 1246 1309 1322 1328 1381 1383 1392 1393 1399 1406 1408 1410
483 SELTEN	1407
484 SEMP	1349
485 SENDAY	1376 1378
486 SENTRA	1349
487 SERINO	1304
488 SETRON	1109
489 SHARP	1065 1082 1125 1126 1127 1128 1130 1131 1132 1133 1367
490 SHINTOSHI	1408 1410
491 SHIVAKI	1050 1408 1410
492 SHORAI	1317
493 SHOW	1109 1110 1281
494 SIAREM	1073 1205 1227 1275
495 SICATEL	1078 1199
496 SIDEC	1190 1199
497 SIEMENS	1056 1062 1083 1086 1376 1422
498 SILMA	1050 1077 1109
499 SILVER	1065 1110 1221 1259 1281 1317 1319
500 SIMTEL	1259 1402
501 SINGER	1050 1071 1073 1074 1109 1111 1205 1227 1252 1275 1309 1376 1409
502 SINUDYNE	1050 1067 1110 1114 1144 1185 1193 1202 1205 1222 1227 1235 1237 1242 1254 1259 1275 1302 1303 1313 1315 1316 1317 1318 1370 1376 1377 1378 1380 1388 1389 1393 1396 1400 1406 1410
503 SKARDIN	1221
504 SLAVA	1074 1077
505 SLIDING	1211 1237 1241 1268 1277 1323 1332 1363 1372 1421 1429 1430
506 SMARAGD	1112

507 SOLAVOX	1177 1179 1202 1204 1239
508 SONIKO	1376
509 SONITRON	1074 1275 1339 1343
510 SONOKO	1050 1075 1077 1109 1110 1258 1281 1376 1408 1409 1410
511 SONTEC	1070 1089 1110 1376 1380 1408 1410
512 SONY	1050 1052 1058 1060 1061 1063 1082 1094 1161 1180 1213 1341 1608
513 SOUND COLOR	1050 1218 1280 1281 1376 1378 1380 1388 1394 1409
514 SOUND VISION	1227
515 SOUNDMASTER	1110
516 SOUTHERN CROSS	1069
517 SOWTECH	1089
518 SPARKLE	1408
519 STANDARD	1050 1069 1071 1074 1109 1111 1201 1259 1408 1410
520 STARLINE	1376
521 STARLITE	1110 1281 1409
522 STARLUX	1074 1109 1408 1410
523 START	1050
524 STERLING	1380
525 STV	1194
526 STVI	1074 1077 1190 1199
527 SUNKAI	1050 1112 1304 1315 1317 1318 1332 1380
528 SUNSTAR	1220 1380 1410
529 SUNWATT	1050
530 SUPERSONIC	1339 1402
531 SUPERTECH	1050 1109 1110 1115 1259 1376 1409 1420
532 SUPRA	1109 1111 1334 1447
533 SUPREME	1104 1608
534 SYC LINE	1110
535 TADISTAR	1234
536 TAKARA	1380
537 TANAKI	1078
538 TANDBERG	1051 1073 1079 1184 1185 1215 1242 1251 1253 1269 1274 1275 1317
539 TANDY	1178 1187 1196 1205 1244 1567
540 TASHIKO	1074 1077 1187 1196 1354

541 TATUNG	1050 1073 1074 1213 1223 1224 1225 1229 1402 1408 1410
542 TD DESIGN	1385
543 TEAK	1050 1074 1109 1385 1402
544 TEAM	1258
545 TECCO	1072 1074 1109 1215
546 TECHLINE	1376
547 TECHNICA	1259
548 TECHNICAL	1380
549 TECHNICS	1148 1149 1452
550 TECHNILAND	1050
551 TECHNIMAGEN	1400
552 TECHNISAT	1050 1073 1233 1391 1393
553 TECHNOL	1050 1074 1109 1111 1402
554 TECHNOSAT	1311
555 TECHWOOD	1380 1407
556 TEDELEX	1050 1074 1109 1110 1199 1236 1376
557 TEINEL	1186 1380 1410
558 TEKNANT	1050 1109 1110 1402
559 TELEFUNKEN	1051 1057 1071 1122 1154 1155 1212 1214 1215 1216 1231 1236 1248 1249 1250 1251 1253 1260 1267
560 TELEKTRON	1227
561 TELEOPTA	1109 1110
562 TELESTAR	1109 1281 1376
563 TELESYSTEM	1271 1351 1372 1434 1436 1437
564 TELETECH	1072 1376
565 TELEXA	1227
566 TELKOM	1190 1402
567 TEMPEST	1074 1109 1259
568 TENSAI	1050 1069 1074 1077 1088 1109 1111 1199 1201 1227 1232 1236 1255 1259 1280 1317 1344 1376 1380 1383 1388 1402 1408 1410
569 TESLA	1050 1056 1078 1243 1275 1280 1304 1371 1380 1381 1388 1393 1402 1408 1410
570 TETRAN	1199 1201
571 THES	1331
572 THOMSON	1050 1051 1057 1100 1112 1122 1154 1155 1157 1158 1159 1160 1199 1207 1212 1214 1215 1216 1250 1251 1253 1260 1263 1267

	1275 1278 1311 1376
573 THORN- FERGUSON	1050 1051 1052 1055 1056 1057 1060 1062 1063 1065 1073 1074 1078 1082 1083 1088 1100 1105 1108 1109 1138 1146 1155 1161 1177 1179 1185 1186 1189 1199 1200 1202 1204 1207 1213 1214 1215 1216 1224 1225 1229 1249 1250 1251 1255 1267 1281 1339 1340 1342 1343 1344 1346 1350 1354 1359 1366 1375 1381 1388 1401 1402 1408 1410
574 TOBISHI	1074 1077 1259
575 TOBO	1109 1110
576 TOGOSHI	1082
577 TOKAI	1050 1110 1220 1380 1402
578 TOKYO	1258
579 TOMITA	1074 1077
580 TOPVISION	1091 1190 1199
581 TOSHIBA	1056 1065 1074 1082 1305 1345 1346 1347 1348 1349 1350 1375 1380 1402
582 TOYOSI	1078
583 TRANSONIC	1050 1281 1402
584 TREVI	1109 1199 1258 1272 1307 1323
585 TRIAD	1050 1078
586 TRILUX	1376
587 TRIUMPH	1104
588 TV STAR	1178
589 UHER	1092 1101 1186 1201 1227 1246 1385
590 ULTRAVISION	1078 1343
591 ULTRAVOX	1050 1071 1077 1111 1186 1196 1198 1205 1227 1275 1376 1380 1408 1410
592 UNDERWOOD	1368
593 UNIC	1050 1073 1074 1089 1190 1199 1376
594 UNIMOR	1050 1089
595 UNITED	1236 1303 1376 1380
596 UNIVOX	1050 1071 1078 1193 1199 1276
597 UNK	1199 1223 1376 1402
598 UTAX	1074 1109
599 VANGUARD	1074 1109 1187 1203
600 VASILINEC	1110

601	VECO	1109 1408
602	VESTEL	1050 1189 1243 1374 1376 1380 1388 1407 1410
603	VEXA	1050 1074 1109 1258
604	VICEROY	1074
605	VIDEOCON	1050
606	VIDEOLOGIC	1074 1259
607	VIDEOMAC	1074
608	VIDEON	1376
609	VIDEOSYSTEM	1050
610	VIDIKRON	1050 1201
611	VIDION	1110
612	VISION	1050 1109 1402
613	VISIONREX	1076
614	VISTAR	1055 1177
615	VOXSON	1071 1198 1275 1281 1380
616	WALKIE	1093 1185 1242
617	WALKVISION	1380
618	WALTHAM	1050 1069 1073 1074 1078 1178 1186 1187 1189 1190 1199 1202 1234 1243 1251 1343 1380 1407
619	WATSON	1050 1198 1201 1205 1243 1281 1376 1380 1410 1423
620	WATT RADIO	1071 1077 1078 1089 1110 1163 1189 1202 1205 1227 1228 1376 1408
621	WEGA COLOR	1063 1275
622	WEGAVOX	1071 1072 1091 1110 1189 1234 1236 1237 1243 1281 1373 1376 1380
623	WELLINGTON	1380
624	WELTBlick	1050 1201 1376 1380 1383 1408 1409 1410
625	WESTA	1186
626	WESTON	1190 1195
627	WESTWOOD	1380
628	WHITE WESTINGHOUSE	1050 1074 1077 1089 1092 1098 1104 1109 1186 1190 1199 1201 1227 1234 1242 1246 1258 1281 1376 1380 1383 1396 1399 1402 1409 1410
629	WILSON	1380
630	WINDSOR	1050 1243 1380
631	WINSTON	1258 1408 1410
632	WINTERNITZ	1050 1109 1111 1124

633	WORLDTECH	1050
634	WORLDVIEW	1050 1109 1221
635	XCELLENT	1408 1409 1410
636	XENA	1252
637	XONYCS	1376 1408
638	XRYPTON	1234 1376 1378 1409
639	YAMISHI	1110 1221
640	YOKO	1050 1074 1090 1109 1178 1251 1343 1376 1378
641	YOSHITA	1050
642	YPRK	1259
643	YUMATU	1110 1234
644	ZAMPA	1206