

Programming Remote Control

Your remote control can handle several devices. However, first you have to set up your remote control for your equipment. You can do it in one of the following ways:

Brand Setup

First, find the manufacturer of your equipment on the Brand Codes list. If the manufacturer's brand is not listed, go to **Automatic Search** below. To set up your remote control follow these steps:

- Turn the device on.
- Press  /  /  depending on what mode you want to handle and then hold  until the device key blinks twice.
- Enter one of the codes from the list. If the code was correct the mode key blinks twice. If not, the key emits one long blink. Then, you will have to repeat steps 2 and 3 until entering the correct code.
- Press . If the device has turned off, you have chosen the right code. If none of the codes work, try **Automatic Search**.

Automatic Search

Automatic Search should only be undertaken if none of the brand codes works or your brand name is not listed. Use the **Automatic Search** option.

- Switch on your device. Then press appropriate mode key, for example  if you want to set up a TV.
- Press and hold  until the mode key blinks twice.
- Press   . The mode key blinks twice.
- Aim the remote at the device and press .
- Press  /  repeatedly until the device is switched off.
- Press  to turn the TV on.
- Next, press  to store the code for your device. The mode key blinks twice. Your remote control is now programmed to operate your TV set.
- To search codes for other devices repeat steps 1 through 7, but substitute the  key with the appropriate one for the mode you are searching for.

Finding Your Code

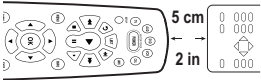
If you want to know what code operates your device, you can obtain it with the **Device Code** option. To find out the code, follow these instructions:

- Switch on your device. Then press appropriate mode key, for example  if you want to set up a TV.
- Press and hold  until the mode key blinks twice.
- Press   . The mode key blinks twice.
- For the first digit of your code, press  and count the number of times the key blinks (e.g. 2 blinks = 2). If the light does not blink, the digit is 0. For the second digit press  and count the number of blinks. Do the same for the remaining digits.
- To check for other device codes, repeat the above steps, but substitute the  key with the appropriate one for the device you are checking.

Using Learning

Your remote control includes a learning feature. It means you can transfer some unique functions from the remote control of other device to this remote control.

- Press  until the last selected mode key blinks twice. Then press   .
- Press the mode key. For example to transfer a function from DVD remote control press .
- Press the key on which the function will be stored.
- Place your remote control and the device remote control (e.g. your DVD remote control) head-to-head, about 5 centimeters / 2 inches apart.



- On the device remote, press and hold the key to be learned. The target remote control will blink rapidly and turn off. Keep holding the key on the device remote control until the device key on the target remote blinks twice.
- If the learning failed, the device key emits one long blink. You will have to repeat step 5.

Deleting a Single Learning Key

Once you used a particular key to store a new function on it, you may restore the original function of the key.

- Press  until the last selected mode key blinks twice. Then press   .
- Press the mode key (for example ). The mode key blinks twice.
- Press the key containing the learned function. The mode key blinks twice.
- Press and hold  to exit programming.

Deleting All Learned Keys

- Press  until the last selected mode key blinks twice. Then press   .
- Press the mode key twice (for example ). All the learned keys for this mode will be cleared. The mode key blinks twice.
- Press and hold  to exit programming.

Using the Master Power Key

Your remote has a feature that enables you to sequentially turn up to five devices on and off with a single key press. This functionality works only if the remote control is in STB mode.

- Press  until the last selected mode key blinks twice.
- Press   . The last selected mode key will blink twice.
- Press .
- Press the mode key for the device you would like to turn on first and press . Then press the mode key for the second device to turn on and once again . Repeat the steps until adding all the devices you want to be operated.
- To save settings press .
- Next press  to exit programming.

Volume Lock

The remote control enables you to control volume level of different devices without selecting the mode key for each device. For example: if you are watching a film on your DVD player, you can adjust the volume for your TV set, without pressing the TV mode key on your remote control.

To set the Volume Lock for your TV:

- Press and hold  until the last selected mode key blinks twice.
- Press   . The last selected mode key will blink twice.
- Then press  and the device key blinks twice.

Deleting “Volume Lock” for a particular device (for example for DVD)

- Press  once.
- Press and hold down the  key until the mode key blinks twice.
- Press   . The mode key blinks twice.
- Then press the  key and the mode key will blink four times.

Now being in DVD mode, you will be able to control VOL+/- or MUTE functions of your DVD only (provided it has volume control).

Deleting „Volume Lock” for all devices

- Press and hold  until the last selected mode key blinks twice.
- Press   .
- Press the  key and the the last selected mode key will blink four times.

Clearing Custom Programming

You may clear the custom programming and revert to the default settings of the remote control. To do that, follow these steps:

- Press  until the last selected mode key blinks twice.
- Enter   . The last selected mode key blinks twice, pauses, and blinks twice again.

This procedure does not affect your setup codes. They remain in memory of the remote control.

Troubleshooting

Problem	Solution
Device key does not blink when you press a key.	Replace the batteries with two (2) new AA batteries.
Device key blinks when you press a key, but home entertainment device does not respond.	Make sure you are aiming the remote control at your home entertainment device and that you are within 4.5 meters / 15 feet of the device you are trying to control.
The remote control does not control home entertainment devices or commands are not performing properly.	Try all listed codes for the device brand being set up. Make sure all devices can be operated with an infrared remote control.
TV/VCR Combo does not respond properly.	Use the VCR codes for your brand. Some combo units may require both a TV code and a VCR code for full operation.

PLAY and STOP keys do not work on a Motorola DCT-2000 cable converter.

Tried Search Method and still could not find a working code.

- If the learning failed, the device key emits one long blink. You will have to repeat step 5.
- Deleting a Single Learning Key**
- Once you used a particular key to store a new function on it, you may restore the original function of the key.
- Press  until the last selected mode key blinks twice. Then press   .
 - Press the mode key (for example ). The mode key blinks twice.
 - Press the key containing the learned function. The mode key blinks twice.
 - Press and hold  to exit programming.

Remote control does not turn on Sony or Sharp TV/VCR Combo.

For power on, these products require programming TV codes on the remote control. For Sony, use TV code 0000 and VCR code 0032. For Sharp, use TV code 0093 and VCR code 0048.

Brand Codes

The following codes are used when configuring the remote control. First find the manufacturer of your equipment and then try the codes one by one.

Audio Amplifiers

Adcom	0577, 1100	Pioneer	1023, 0014, 0080, 0150, 0244, 0531, 0630, 1384	Pioneer	1877, 0877, 0144, 0533
Bose	0674	Polaroid	1508	Pulsar	0000
Durabrand	1561	Polk Audio	0189, 1289, 1414	Quasar	0000
Elan	0647	RadioShack	0883	RCA	1256
GE	0078	Regal	0279, 0273	Runco	0000
Harman/ Kardon	0892	RCA	1023, 1609, 1254	Samsung	1376, 1877, 0144
JVC	0331	Rio	1869	Sasktel	1737
Left Coast	0892	Samsung	1295, 1500	Scientific Atlanta	1877, 0877, 0477, 0008, 0017
Lennox	1561	Sansui	0189	Sejin	1602
Luxman	0165	Sanyo	1251, 1469, 1801	Sony	1006
Marantz	0892, 0321	Sharp	0186, 1286	Starcom	0003
McIntosh	0251	Sharper Image	1556	Supercable	0276
Nakamichi	0321	Sherwood	1077, 1517, 1653	Supermax	0883
NEC	0264	Sirius	1627, 1811, 1987	Thomson	1256
Optimus	0395, 0823	Sonic Blue	1532, 1869	Tocom	0012
Parasound	0246	Sony	1058, 1441, 1258, 1759, 1622, 0474, 1349, 1406, 1442, 1558, 1658, 1758, 1858	Torx	0003
Philips	0892	Soundesign	0670, 1126	Toshiba	0000
Pioneer	0823	Stereo-phonics	1023	Tristar	0883
Polk Audio	0892	Sunfire	1313	V2	0883
RCA	0823	Teac	1074, 1390, 1528	Viewmaster	0883
Realistic	0395	Technics	1308, 1518, 0309	Vision	0883
Sansui	0321	Thorens	1189	Vortex View	0883
Shure	0264	Toshiba	1788	Zenith	0000, 0525, 0899
Sony	0689, 0815, 1126	Venturer	1390		
Soundesign	0078, 0211	Wards	0189, 0014, 0080		
Victor	0331	XM	1406, 1414		
Wards	0078, 0211	Yamaha	0176, 0186, 1176, 1276, 1331, 1375		
Yamaha	0354, 0133	Zenith	0857, 1293		

Audio Receivers

ADC	0531	Americanst	0899
Aiwa	1405, 0189, 0121, 0405, 1243, 1388, 1641	Amino	1822
Akai	1512	Digeo	1187
Alco	1390	General Instrument	0476, 0810
Amphion Media Works	1563, 1615	Jerrold	0476, 0810
AMW	1563, 1615	Motorola	1376, 0810, 1187, 1106, 1540, 0476
Anam	1609, 1074, 1774	Myrio	1822
Apex Digital	1257, 1430, 1774	Pace	1376, 1877, 0237
Arcam	1120	Panasonic	1376, 1877
Audiotronic	1189	Pioneer	1877, 0877
Audiovox	1390, 1627	RCA	1256
B & K	0701, 0820, 0840	Sasktel	1737
BK	0702	Samsung	1376, 1877
Bose	1229, 1629, 1841, 1933	Scientific Atlanta	1877, 0877
Cambridge Soundworks	1370	Sony	1006
Capetronic	0531	Supercable	0276
Carver	1189, 0189	Thomson	1256
Classic	1352	Zenith	0899
Coby	1389		
Curtis Mathes	0080		
D-Link	1522		
DLO	1155		
Integra	1789		
iPort	1917		
Marantz	1491		
Motorola	1464		
Navipod	1644		
Netgear	1785		
Omnifi	1605		
Onkyo	1789		
Roku	1828		
Sonance	1917		
SSI	1522		
Yamaha	1809, 1810		

Audio Accessories

Accurian	1106	Apple	1115, 1644
Altec Lansing	0607, 1056, 1485	Cambridge Soundworks	1530
Alte	1115, 1644	Creative	0872
Alco	1390	D-Link	1522
Allegro	0869	DLO	1155
Amphion Media Works	0872, 1245	Integra	1789
AMW	0872, 1245	iPort	1917
Apex Digital	0672, 0717, 0755, 0794, 0796, 0797, 0830, 1004, 1020, 1056, 1061, 1100	Marantz	1491
Arrgo	1023	Motorola	1464
Aspire Digital	1168, 1407	Navipod	1644
Audiologic	0736	Netgear	1785
Audiovox	0790, 1041, 1071, 1072, 1121, 1122	Omniifi	1605
Axon	1071, 1072	Onkyo	1789
B & K	0655, 0662	Roku	1828
BBK	1224	Sonance	1917
Bel Canto Design	1571	SSI	1522
Blaupunkt	0717	Yamaha	1809, 1810
Blue Parade	0792		
Broksonic	0695, 0868, 1419		
Buffalo	1882		
Cary Audio Design	1477		
CAVS	1057		
Centrios	1577		
Cinea	0831		
Cinego	1399		
CineVision	0876, 0833, 0869		
Citizen	1277		
Coby	0778, 0852, 1086, 1107, 1187, 1254, 1351		
Craig	0831		
Curtis Mathes	1087		
CyberHome	0816, 0874, 1023, 1024, 1117, 1129, 1502, 1537		
D-Link	1881		

Daewoo	0784, 0705, 0833, 0869, 1169, 1172, 1234, 1242, 1441, 1443	Proscan	0522
Denon	0490, 0634	ProVision	0778
Desay	1407, 1455	Qwestar	0651
Diamond Vision	1316, 1609, 1610	RCA	0522, 0571, 0717, 0790, 0822, 1022, 1132, 1193
Disney	0675, 1270	Rio	0869
Dual	1068, 1085	RJTech	1360
Durabrand	1127	Rotel	0623, 1178
DVD2000	0521	Rowa	0823
Emerson	0591, 0675, 0821, 1268	Sampo	0698, 0752, 1501
Enterprise	0591	Samsung	0490, 0573, 0820, 0899, 1044, 1075
ESA	0821, 1268, 1443	Sansui	0695
Fisher	0670, 1919	Sanyo	0670, 0695, 0873, 1919
Funai	0675, 1268, 1334	Sensory Science	1158

Gateway	1073, 1077, 1158	Sharp	0630, 0675, 0752, 1256
GE	0522, 0815, 0717	Sharper Image	1117
Go Video	0744, 0715, 0741, 0783, 0833, 0869, 1044, 1075, 1099, 1144, 1158, 1304, 1443, 1730	Sherwood	0633, 0770, 1043, 1077, 1889
Go Vision	1071, 1072	Shinonic	0533, 0839
GoldStar	0741	Sigma	0566
GPX	0699, 0769	Designs	0674
Greenhill	0717	Sonic Blue	0869, 1099
Harman/ Kardon	0582, 0702	Sony	0533, 1533, 0864, 1033, 1431, 1432, 1433, 1548, 1892
Hitachi	0573, 0664, 1247, 1919	Sound Mobile	1298

Toshiba	0154, 1256, 0156, 1265, 0060, 1945, 1935, 1704, 1656, 1635, 1356, 1343, 1325, 1306, 1156, 0845, 0832, 0650, 0149, 0036
Tosonic	0185
Totevision	0039
Trical	0157
TVS	0463
Ultra	0391, 1323
Universal	0027
Universeum	1337
US Logic	1286, 1303
Vector Research	0030
Victor	0053
Video Concepts	0098
Vidikron	0054, 0242, 1398
Vidtech	0178, 0019, 0036
Viewsonic	0797, 0857, 0864, 0885, 1330, 1342, 1578, 1627, 1755
Viking	0046, 0312
Viore	1207
Visart	1336
Vizio	0864, 0885, 1499, 1756, 1758
Wards	0054, 0178, 0030, 1156, 0866, 0202, 0179, 0174, 0165, 0111, 0096, 0080, 0056, 0029, 0028, 0027, 0021, 0020, 0019, 0016
Waycon	0156
Westing-house	0885, 0889, 0890, 1282, 1577
White Westing-house	0463, 0623
Wyse	1365
Yamaha	0030, 0019, 0769, 0797, 0833, 0839
Zenith	0017, 0463, 1265, 0178, 0092, 0016
Zonda	0003

TVs (DLP)

Hewlett Packard	1494
HP	1494
LG	1265
Magnavox	1525
Mitsubishi	1250
Optoma	0887
Panasonic	1291
RCA	1447
Samsung	0812, 1060, 1312
SVA	0872
Toshiba	1265, 1306
Vizio	1499

TVs (HDTV)

Advent	0842
Hitachi	1960
Marantz	0854
Mitsubishi	0150
Panasonic	0250, 0650, 1291
Pioneer	0679
Princeton	0717
RCA	1447
Samsung	0812, 0702
Sharp	0688, 0689
Toshiba	1256

TVs (LCD)

Accurian	1803
Action	0873
Akai	1935
AOC	1365
Apex Digital	0890, 1217
Astar	1548
Audiovox	0180, 0710, 0802, 0846, 0875, 1284, 1937, 1951, 1952
BenQ	1315
Byd:sign	1309, 1311
Cadia	1283
CyberHome	0794
Dell	1080, 1178, 1264
Emprex	1422, 1546
Envision	0813, 1365
FlexVision	0710
Funai	0171
Go Video	0886
Hannspree	1348, 1351
Hewlett Packard	1088

HP	1088
Hyundai	0849, 1219, 1294
iLo	1286, 1603, 1990
Initial	1603, 1990
Insignia	1204, 1517, 2002
Jensen	1299
Kost	1262
LG	0856, 1178, 1993
Magnavox	1454, 0802, 1198
Marantz	0855
Maxent	0762, 1211
Mintek	1603, 1990
Mitsubishi	1250
NetTV	0762
Norcent	1365, 1589, 1591
Norwood Micro	1286, 1296
Olevia	1144, 1240, 1331, 1610
Panasonic	0650, 1941
Petters	1523
Philips	1454, 1483
Polaroid	1262, 1276, 1316, 1341, 1498, 1523

Protron	1320, 1323
Proview	1401
RCA	0047, 1958
Sampo	0762
Samsung	0812, 0766, 0814, 1395, 1575

Sansui	1409
Sanyo	1142
Sceptre	0878, 1217, 1360, 1599

Sharp	0093, 0818, 1602
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Sherwood	1399
Signet	1262
Sony	0810
Sova	1320
Soyo	1520
Superscan	0864
SVA	0587, 0870, 0871

Sylvania	0171, 1271
Symphonic	0171
Syntax	1144, 1240, 1331

Tatung	1286
Techview	0847
Toshiba	0845, 1343, 1635, 1656

Ultra	1323
US Logic	1286
Vidikron	1398
Viewsonic	0857, 0864, 0885, 1330, 1578, 1627

Visart	1336
Vizio	0864, 0885, 1756
Westing-house	0885, 0889, 0890, 1282, 1577

Wyse	1365
Zenith	1265

TV/DVD Combos

Controlled by the TV

Accurian	1803
Advent	1933
Akai	1935
Apex Digital	1943
Audiovox	1937, 1951, 1952
Axion	1937
Broksonic	1935
Cinego	1986
Diamond Vision	1997
Emerson	1963
ESA	1963
Funai	1963
Hitachi	1960
iLo	1990
Initial	1990
Insignia	1963, 2002
Jensen	1933
KLH	1962
LG	1993
Magnavox	1963
Mintek	1990
Panasonic	1941
Polaroid	1991
Prima	1933
RCA	1948, 1958, 2002

Samsung	1903
Sansui	1935
Sova	1952
Sylvania	1963
Toshiba	1635, 1935

Controlled by the DVD

Advent	1016
Akai	0695
Apex Digital	0830
Audiovox	1071, 1121, 1122
Axion	1071
Broksonic	0695

Cinego	1399
Diamond Vision	1610
Emerson	0675, 1268
ESA	1268
Funai	1268
Go Vision	1071
Hitachi	1247
iLo	1472
Initial	1472
Insignia	1268
Jensen	1016
KLH	1261
Konka	0719, 0720
LG	1526
Magnavox	1268
Mintek	1472
Panasonic	1490
Philips	0854, 1260
Polaroid	1480
Prima	1016
RCA	1022, 1193
Samsung	0899
Sansui	0695
Sova	1122
Sylvania	0675, 1268
Toshiba	0695

TV/VCR Combos

Controlled by the TV

America Action	0180
Audiovox	0180
Emerson	0236

Controlled by the VCR

America Action	0278
Audiovox	0278
Broksonic	0002, 0479, 1479
Citizen	1278
Colt	0072
Curtis Mathes	1035
Daewoo	0637, 1278
Emerson	0002, 0294, 0479, 0593, 1278, 1479
Funai	0000
GE	0240, 0807, 1035, 1060

GoldStar	1237
Harley Davidson	0000
Hitachi	0000
LG	1037
Lloyd's	0000
Magnasonic	0593, 1278
Magnavox	0000, 0593, 1781
Magnin	0240
Memorex	0162, 0454, 1037, 1162, 1237, 1262
MGA	0240
Mitsubishi	0807
Optimus	0162, 0454, 0593, 1162, 1262

Orion	0002, 0479, 1479
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Panasonic	0162, 1035, 1162, 1262
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Penney	0240, 1035, 1237
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Quasar	0162, 1035, 1162
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RadioShack	0000, 1037
RCA	0240, 0807, 1035, 1060

Samsung	1014
Sansui	0000, 0479, 1479
Sanyo	0240
Sears	0000, 1237
Sony	0000, 1232
Sylvania	1781
Symphonic	0000, 0593
Thomas	0000
Toshiba	0845, 1145
White Westing-house	0637
iLo	1990
Initial	1990
Insignia	1963, 2002
Jensen	1933
KLH	1962
LG	1993
Magnavox	1963
Mintek	1990
Panasonic	1941
Polaroid	1991
Prima	1933
RCA	1948, 1958, 2002

Samsung	1903
Sansui	1935
Sova	1952
Sylvania	1963
Toshiba	1635, 1935

Advent	1016
Akai	0695
Apex Digital	0830
Audiovox	1071, 1121, 1122
Axion	1071
Broksonic	0695

Diamond Vision	1609
Emerson	0821
ESA	0821
Funai	1334
Magnavox	0821
Panasonic	1362, 1462
Polaroid	1482
RCA	1132
Sharp	0630
Superscan	0821
Sylvania	0821
Symphonic	0821
Toshiba	1045

Controlled by the VCR

Sharp	0807
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VCRs

ABS	1972
Admiral	1022, 0048, 0209
Adventura	0000
Aiko	0278
Aiwa	0037, 0000, 0124, 0307, 0468

Akai	0041, 0049, 0058, 0061, 0106, 0175
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Alienware	1972
America Action	0278
American High	0035
Asha	0240
Audiovox	0037, 0278
Beaumark	0240
Bell & Howell	0104
Broksonic	0184, 0121, 0209, 0002, 0211, 0295, 0361, 0479, 1479, 1815

Calix	0037
Canon	0035, 0102
Capehart	0020
Carver	0081
CCE	0072, 0278
Citizen	0037, 0278, 1278
Colt	0072
Craig	0037, 0047, 0240, 0072, 0271

Curtis Mathes	0060, 0035, 0162, 0041, 0760, 1035
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Cybernex	0240, 0051
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CyberPower	1972
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Daewoo	0045, 0278, 0020, 0561, 0637, 1278
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Daytron	0020
Dell	1972
Denon	0042
DirectV	0739
Durabrand	0039, 0038
Dynatech	0000

Electrohome	0037
Electrophonic	0037
Emerex	0032

Emerson	0037, 0184, 0000, 0121, 0043, 0209, 0002, 0278, 1479, 1278, 0637, 1593, 0593, 0561, 0510, 0479, 0361, 0295, 0294, 0212, 0211, 0208, 0088, 0068, 0061, 0036
Fisher	0047, 0104, 0054, 0066
Fuji	0035, 0033
Funai	0000, 0593, 1593
Garrard	0000
Gateway	1972
GE	0060, 0035, 0240, 0065, 0202, 0760, 0761, 0807, 1035, 1060

Go Video	0232, 0279, 0432, 0526, 0643
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GoldStar	0037, 0038, 0018, 1237
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Gradiente	0000, 0408
Grundig	0195
Harley Davidson	0000

Harman/Kardon	0081, 0038, 0075
Harwood	0072, 0068

Headquarter	0046
Hewlett Packard	1972
Hi-Q	0047
Hitachi	0000, 0042, 0041, 0065, 0082, 0089, 0105, 0166

Howard Computers	1972
HP	1972
Hughes Network Systems	0042, 0739
Humax	0739

Akai	1903
Broksonic	1938
Diamond Vision	1996

Emerson	1944
ESA	1944
Magnavox	1944
Panasonic	1946, 1947
Polaroid	1992
RCA	1953
Sylvania	1944
Symphonic	1944
Toshiba	1945

Controlled by the DVD	
Akai	0899
Broksonic	0868

Hush	1972
iBUYPOWER	1972
Jensen	0041
JVC	0067, 0041, 0008, 0206, 0207, 0384, 1707
KEC	0037, 0278
Keen	0693
Kenwood	0067, 0041, 0038, 0384
KLH	0072
Kodak	0035, 0037
LG	1037
Linksys	1972
Lloyd's	0000, 0208
Logik	0072
LXI	0037
Magnasonic	0593, 1278
Magnavox	0035, 0039, 0081, 0000, 0149, 0110, 0563, 0593, 1593, 1781

Magnin	0240
Marantz	0035, 0081
Marta	0037
Matsushita	0035, 0162, 1162

Media Center PC	1972
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MEI	0035
Memorex	0035, 0162, 0037, 0048, 0039, 0047, 0240, 0000, 0104, 0209, 0046, 0307, 0454, 0479, 1037, 1162, 1237, 1262

MGA	0240, 0043, 0061
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MGN Technology	0240
Microsoft	1972
Mind	1972
Minolta	0042, 0105
Mitsubishi	0067, 0043, 0061, 0075, 0173, 0443, 0807

Motorola	0035, 0048
MTC	0240, 0000