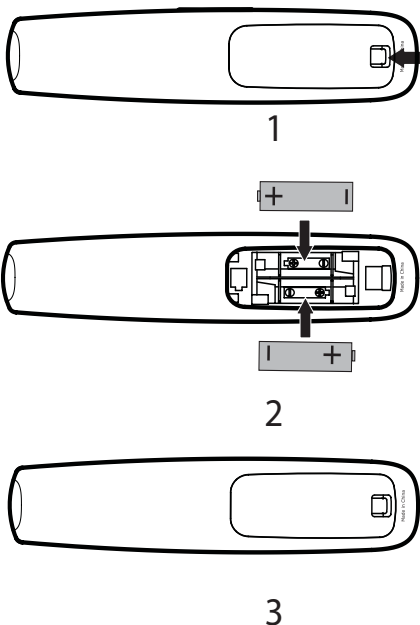


## INSTALLING BATTERIES

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1. On the back of the remote control, push the tab and lift off the battery cover.
2. Locate the two (2) enclosed AA batteries. Match the + and - marks with those in the battery case, then insert them.
3. Align the covers keys with the cases holes and press the cover back into place. The tab should click when the cover is locked.
4. Test the remote control by pressing any mode key (e.g., **TV**). If the batteries are inserted correctly, the LED (red light) will blink once.

**NOTE:** When batteries need replacement, the remote control will cease to operate. Replace the batteries and the unit will be restored to its full functionality, complete with your favorite settings.

## PROGRAMMING DEVICE CONTROL

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The Potenza ST Universal Remote Control is preprogrammed to operate the set-top box provided by your television service provider, an RCA TV, a Toshiba DVD player, an RCA VCR, and a Pioneer audio receiver. To control devices other than the default brands, perform the following steps; otherwise skip this section.

**NOTES:** For control of a Combo device (for example, a TV/VCR combo), skip this section and perform the instructions on “Setting Up a Combo Unit” on page 11. Also refer to “Device Table” on page 8 to find out which devices can be programmed onto each device key.

If you have another brand of set-top box you would like to control, you’ll need to unlock the STB ID Lock before changing the set-top box code (see “Programming ID Lock” on page 19).

1. Turn on a device and, if applicable, insert video media, (e.g., cassette or disc).

**NOTE:** Please read steps 2 through 5 completely before proceeding. Highlight or write down the codes and device you wish to program before moving on to step 2.

2. On the remote control, press a device key once (i.e., **VCR**, **DVD**, **AUD**, **TV**, or **STB**); it will blink once.



3. Press and hold **SETUP** until the selected mode key blinks twice, then release **SETUP**.



4. Use the “Manufacturer’s Codes” starting on page 27) to locate the type of device and brand name and then enter the first four-digit code for your device. If performed correctly, the selected mode key will blink twice.

**NOTE:** If the selected mode key emits a long blink, the entry is invalid. Repeat steps 2 through 4 and try entering the same code again.

5. Aim the remote control at the device and press **POWER** once. The device should turn off. If it does not, repeat steps 2 through 4, trying each code for your brand until you find one that works. If it still does not respond, try searching for the code (see “Searching for Your Code” on page 12).

**NOTE:** If the device does not have a **POWER** key (e.g., DVD and VCR), press the ▶ (Play) key.

6. Repeat steps 1 through 5 for each device you want the remote control to operate. For future reference, write down each working device code in the boxes on the following page.

**VCR Code**

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
----------------------	----------------------	----------------------	----------------------

Samsung	1377, 1276, 1108, 1109, 1442, 1609
Sanyo	1219
SKY	0856
Sony	0639, 1639, 1640
Star Choice	0869
Tivo	1142, 1442, 1443, 1444
Toshiba	0749, 1749, 0790, 1285
UltimateTV	1392, 1640
Ultrasat	1806
Uniden	0724, 0722
US Digital	1535
USDTV	1535
Voom	0869
Zenith	1856, 0856

### Setup Codes for DVR/PVR Systems

Amino	1615
DirecTV	1377, 0392, 0639, 1142, 1076, 0099, 1392, 1442, 1443, 1444, 1640
Dish Network System	1505, 0775
Dishpro	1505, 0775
Echostar	1505, 0775, 1170
Expressvu	0775
Hughes Network Systems	1142, 1442, 1443, 1444, 0739
JVC	1170
Motorola	0869
Philips	1142, 1442, 0739
Proscan	0392
RCA	1392
Samsung	1442, 0739
Sony	0639, 1640
Star Choice	0869

### Setup Codes for TVs

A-Mark	0003
Abex	0032
Accurian	1803
Action	08731
Admira	0093, 0463

Advent	0761, 0783, 0815, 0817, 0842, 1933
Adventura	0046
Aiko	0092
Aiwa	0701
Akai	0812, 0702, 0030, 0098, 0672, 1207, 1903, 1935
Alaron	0179, 0183, 0216
Albatron	0700, 0843
Ambassador	0177
America Action	0180
Ampro	0751
Anam	0180, 0004, 0009, 0068
Anam National	0055, 0161
AOC	0030, 0003, 0019, 0052, 0137, 0185, 1365
Apex Digital	0748, 0879, 0765, 0767, 0890, 1217, 1943
Archer	0003
Astar	1548
Audiovox	0451, 0180, 0092, 0003, 0623, 0710, 0802, 0846, 0875, 1284, 1937, 1951, 1952
Aventura	0171
Axion	1937
Belcor	0019
Bell & Howell	0154, 0016
BenQ	1032, 1315
Bradford	0180
Brockwood	0019
Broksonic	0236, 0463, 0003, 1935, 1938
Byd:sign	1309, 1311
Cadia	1283
Candle	0030, 0046, 0056, 0186
Carnivale	0030
Carver	0054, 0170
CCE	0217, 0329
Celebrity	0000
Celera	0765
Champion	1362
Changhong	0765
Cinego	1986

Citizen	0060, 0030, 0092, 0039, 0046, 0056, 0186, 0280
Clairtone	0185
Clarion	0180
Commercial Solutions	1447, 0047
Concerto	0056
Contec	0180, 0157, 0158, 0185
Craig	0180, 0161
Crosley	0054
Crown	0180, 0039
Curtis Mathes	0047, 0054, 0154, 0451, 0093, 0060, 0702, 0030, 0145, 0166, 1347, 1147, 0747, 0466, 0056, 0039, 0016
CXC	0180
CyberHome	0794
Cytron	1326
Daewoo	0451, 0092, 1661, 0019, 0039, 0066, 0067, 0091, 0623, 0661, 0672
Daytron	0019
Dell	1080, 1178, 1264, 1403
Denon	0145, 0511
Denstar	0628
Diamond Vision	1996, 1997
Dumont	0017, 0019
Durabrand	0463, 0180, 0178, 0171, 1034, 0003
Dwin	0720, 0774
Dynatech	0049
Electroband	0000, 0185
Electrograph	1623, 1755
Electrohome	0381, 0389, 0409
Emerson	0154, 0236, 0463, 0180, 0178, 0171, 1963, 1944, 0623, 0282, 0280, 0270, 0185, 0183, 0182, 0181, 0179, 0177, 0158, 0039, 0038, 0019
Emprex	1422, 1546
Envision	0030, 0813, 1365
Epson	0833, 0840, 1290
ESA	0812, 0171, 1944, 1963
Fisher	0154, 0159

FlexVision	0710
Fujitsu	0179, 0186, 0683, 0809, 0853
Funai	0180, 0171, 0179, 1271, 1963
Futuretech	0180
Gateway	1001, 1002, 1003, 1004, 1755, 1756
GE	1447, 0047, 0051, 0451, 0178, 1347, 0747, 0282, 0279, 0251, 0174, 0138, 0135, 0055, 0029, 0027, 0021
Gibralter	0017, 0030, 0019
Go Video	0886
GoldStar	0178, 0030, 0001, 0002, 0019, 0032, 0106, 0409
Goodmans	0360
Gradiente	0392
Grunpy	0180, 0179
Haier	1034, 0768
Hallmark	0178
Hannspree	1348, 1351, 1352
Hantarex	1338
Harley Davidson	0043, 0179
Harman/Kardon	0054, 0078
Harvard	0180, 0068
Havermy	0093
Helios	0865
Hello Kitty	0451
Hewlett Packard	1088, 1089, 1101, 1494, 1502
Hisense	0748
Hitachi	1145, 0145, 0016, 0032, 0038, 0056, 0095, 0097, 0151, 0173, 0227, 0279, 0409, 0413, 0797, 1960
HP	1088, 1089, 1101, 1494, 1502
Hyundai	0849, 1219, 1294
iLo	1286, 1603, 1990
Infinity	0054
Initial	1603, 1990
Insignia	0171, 1204, 1326, 1517, 1963, 2002
Inteq	0017
Janeil	0046
JBL	0054

JCB	0000
Jensen	0761, 0050, 0815, 0817, 1299, 1933
JVC	0053, 0036, 0069, 0160, 0169, 0182, 0731, 1253
Kamp	0216
Kawasho	0158, 0216, 0308
Kaypani	0052
KEC	0180
Kenwood	0030, 0019
KLH	0765, 0767, 1962
Kloss	0024, 0046, 0078
KMC	0106
Konka	0628, 0632, 0638, 0703, 0707
Kost	1262, 1483
KTV	0180, 0030, 0039, 0183, 0185, 0217, 0280
LG	1265, 0178, 0442, 0700, 0829, 0856, 1178, 1325, 1423, 1758, 1993
Loewe	0136
Logik	0016
Luxman	0056
LXI	0047, 0054, 0154, 0156, 0178, 0148, 0747
Magnavox	1454, 0054, 0030, 0706, 1963, 1944, 1525, 1254, 1198, 0802, 0386, 0230, 0187, 0186, 0179, 0096, 0036, 0028, 0024, 0020
Majestic	0015, 0016
Marantz	0054, 0030, 0444, 0704, 0854, 0855, 1154, 1398
Matsushita	0250, 0650
Maxent	0762, 1211, 1755
Megapower	0700
Megatron	0178, 0145, 0003
MEI	0185
Memorex	0154, 0463, 0150, 0178, 0016, 0106, 0179
MGA	0150, 0178, 0030, 0019, 0155
Midland	0047, 0017, 0051, 0032, 0039, 0135, 0747
Mintek	1603, 1990

Minutz	0021
Mitsubishi	0093, 1250, 0150, 0178, 0014, 0019, 0098, 0155, 0331, 0358, 0836, 0868, 1550
Monivision	0700, 0843
Motorola	0093, 0055, 0835
Moxell	0835
MTC	0060, 0030, 0019, 0049, 0056, 0091, 0185, 0216
Multitech	0180, 0049, 0217
NAD	0156, 0178, 0866
NEC	0030, 0019, 0036, 0056, 0170, 0434, 0497, 0882, 1398, 1704
Neovia	1338
NetTV	0762, 1755
Nikko	0178, 0030, 0092, 0317
Noblex	0430
Norcent	0748, 0824, 1089, 1365, 1589, 1590, 1591
Norwood Micro	1286, 1296, 1303
Noshi	0018
NTC	0092
Olevia	1144, 1240, 1331, 1610
Olympus	1342
Onwa	0180
Optimus	0154, 0250, 0166, 0650
Optoma	0887
Optonica	0093, 0165
Orion	0236, 0463, 1463, 0179
Panasonic	0250, 0051, 0055, 0162, 0226, 0338, 0375, 0650, 1291, 1410, 1941, 1946, 1947
Penney	0047, 0156, 0051, 0060, 0178, 0030, 1347, 0747, 0309, 0149, 0138, 0135, 0110, 0039, 0032, 0027, 0021, 0019, 0018, 0003, 0002
Petters	1523
Philco	0054, 0030, 0019, 0020, 0028, 0096, 0302
Philips	1454, 0054, 0690, 1154, 1483
Pilot	0030, 0019, 0039
Pioneer	0166, 0038, 0172, 0679, 0866, 1260, 1398



Polaroid	0765, 0865, 1262, 1276, 1314, 1316, 1326, 1327, 1328, 1341, 1498, 1523, 1991, 1992
Portland	0092, 0019, 0039
Prima	0761, 0783, 0815, 0817, 1933
Princeton	0700, 0717
Prism	0051
Proscan	1447, 0047, 0747, 1347
Proton	0178, 0003, 0031, 0052, 0466
Protron	1320, 1323
Proview	0835, 1401, 1498
Pulsar	0017, 0019
Quasar	0250, 0051, 0055, 0165, 0219, 0650
RadioShack	0047, 0154, 0180, 0178, 0030, 0019, 0032, 0039, 0056, 0165, 0409, 0747
RCA	1447, 0047, 2002, 1958, 1953, 1948, 1547, 1347, 1247, 1147, 1047, 0747, 0679, 0278, 0174, 0135, 0090, 0038, 0029, 0019, 0018
Realistic	0154, 0180, 0178, 0030, 0019, 0032, 0039, 0056, 0165
Rhapsody	0183, 0185, 0216
Runco	0017, 0030, 0251, 0497, 0603, 1398
Sampo	0030, 0032, 0039, 0052, 0100, 0110, 0762, 1755
Samsung	0060, 0812, 0702, 0178, 0030, 1903, 1575, 1395, 1312, 1060, 0814, 0766, 0427, 0408, 0329, 0056, 0032, 0019
Samsux	0039
Sansui	0463, 1409, 1935
Sanyo	0154, 0088, 0107, 0146, 0159, 0232, 0484, 0799, 0893, 1142
Sceptre	0878, 1217, 1360, 1599
Scimitsu	0019
Scotch	0178
Scott	0236, 0180, 0178, 0019, 0179, 0309

Sears	0047, 0054, 0154, 0156, 0178, 0171, 0015, 0056, 0146, 0148, 0149, 0159, 0168, 0179, 0281, 0747
Sharp	0093, 0039, 0153, 0157, 0165, 0220, 0281, 0386, 0398, 0491, 0688, 0689, 0818, 0851, 1602
Sheng Chia	0093
Sherwood	1399
Shogun	0019
Signature	0016
Signet	1262
SIM2 Multimedia	1297
Simpson	0186, 0187
Sony	1100, 0000, 0011, 0080, 0111, 0273, 0353, 0810, 0834, 1317
Soundesign	0180, 0178, 0179, 0186
Sova	1320, 1952
Soyo	1520
Spectricon	0003, 0137
Squareview	0171
SSS	0180, 0019
Starlite	0180
Studio Experience	0843
Superscan	0093, 0864
Supre-Macy	0046
Supreme	0000
SVA	0748, 0587, 0768, 0865, 0870, 0871, 0872
Sylvania	0054, 0030, 0171, 0020, 0028, 0065, 0096, 0381, 1271, 1944, 1963
Symphonic	0180, 0171, 1944
Syntax	1144, 1240, 1331
Tandy	0093
Tatung	0003, 0049, 0055, 0396, 1101, 1285, 1286, 1287, 1288, 1361, 1756
Technics	0250, 0051
Technol Ace	0179
Technovox	0007
Techview	0847
Techwood	0051, 0003, 0056

Teknika	0054, 0180, 0150, 0060, 0092, 0016, 0019, 0039, 0056, 0175, 0179, 0186, 0312, 0322
Telefunken	0702, 0056, 0074
Tera	0031
Thomson	0209, 0210
TMK	0178, 0056, 0177
TNCi	0017
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
Universum	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
Westinghouse	0885, 0889, 0890, 1282, 1577
White Westinghouse	0463, 0623
Wyse	1365
Yamaha	0030, 0019, 0769, 0797, 0833, 0839
Zenith	0017, 0463, 1265, 0178, 0092, 0016

**Setup Codes for 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

**Setup Codes for 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

**Setup Codes for 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
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
Westinghouse	0885, 0889, 0890, 1282, 1577
Wyse	1365
Zenith	1265

### **Setup Codes for 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