

# APPENDIX A – IR MACROS

Using the factory remote control's IR codes for MAIN Path, the following 3-key sequences can be programmed into macro-capable remotes for direct access to Modes and tuner banks:

#### **For Stereo sources:**

MODE, 0, 1 – Stereo  
MODE, 0, 2 – AnthemLogic-Music  
MODE, 0, 3 – AnthemLogic-Cinema  
MODE, 0, 4 – Pro Logic IIx Music  
MODE, 0, 5 – Pro Logic IIx Movie  
MODE, 0, 6 – Dolby Pro Logic  
MODE, 0, 7 – DTS Neo:6 Music  
MODE, 0, 8 – DTS Neo:6 Cinema  
MODE, 0, 9 – All Channel Stereo  
MODE, 1, 0 – All Channel Mono  
MODE, 1, 1 – Mono  
MODE, 1, 2 – Mono-Academy  
MODE, 1, 3 – Pro Logic IIx Matrix  
MODE, 1, 4 – Pro Logic IIx Game  
THX, 0, 1 – THX Off  
THX, 0, 2 – THX Cinema  
THX, 0, 3 – THX Games Mode

#### **For Surround-flagged Dolby Digital 2.0 sources:**

MODE, 2, 1 – Stereo  
MODE, 2, 2 – AnthemLogic-Music  
MODE, 2, 3 – AnthemLogic-Cinema  
MODE, 2, 4 – Pro Logic IIx Music  
MODE, 2, 5 – Pro Logic IIx Movie  
MODE, 2, 6 – Dolby Pro Logic  
MODE, 2, 7 – DTS Neo:6 Music  
MODE, 2, 8 – DTS Neo:6 Cinema  
MODE, 2, 9 – All Channel Stereo  
MODE, 3, 0 – All Channel Mono  
MODE, 3, 1 – Mono  
MODE, 3, 2 – Mono-Academy  
MODE, 3, 3 – Pro Logic IIx Matrix  
MODE, 3, 4 – Pro Logic IIx Game  
THX, 0, 4 – THX Off  
THX, 0, 5 – THX Cinema  
THX, 0, 6 – THX Games Mode

#### **Pro Logic IIx Music adjustment:**

MODE, 4, 1 – Center Width display  
MODE, 4, 2 – Dimension display  
MODE, 4, 3 – Panorama Off  
MODE, 4, 4 – Panorama On

#### **Neo:6 Music adjustment:**

MODE, 4, 5 – Center Image display

#### **For Dolby Digital 5.1 sources and 6-Ch input:**

THX, 1, 0 – THX Off  
THX, 1, 1 – THX Cinema  
THX, 1, 2 – THX Ultra2 Cinema  
THX, 1, 3 – THX MusicMode  
THX, 1, 4 – THX Surround EX  
THX, 1, 5 – THX Games Mode  
THX, 1, 6 – PLIIx Movie  
THX, 1, 7 – PLIIx Movie+THX Cinema  
THX, 1, 8 – PLIIx Music  
THX, 1, 9 – Dolby Digital EX  
THX, 2, 0 – Neo:6  
THX, 2, 1 – Neo:6+THX Cinema

#### **For Dolby Digital Surround EX-flagged sources:**

MODE, 5, 1 – None  
MODE, 5, 2 – Dolby Digital EX  
MODE, 5, 3 – THX Surround EX  
MODE, 5, 4 – PLIIx Movie  
MODE, 5, 5 – PLIIx Movie+THX Cinema  
MODE, 5, 6 – PLIIx Music  
MODE, 5, 7 – Neo:6  
MODE, 5, 8 – Neo:6+THX Cinema

#### **For DTS sources:**

THX, 4, 0 – THX Off  
THX, 4, 1 – THX Cinema  
THX, 4, 2 – THX Ultra2 Cinema  
THX, 4, 3 – THX MusicMode  
THX, 4, 4 – Neo:6+THX Cinema  
THX, 4, 5 – THX Games Mode  
THX, 4, 6 – PLIIx Movie  
THX, 4, 7 – PLIIx Movie+THX Cinema  
THX, 4, 8 – PLIIx Music  
THX, 4, 9 – Dolby Digital EX  
THX, 5, 0 – Neo:6

#### **For DTS-ES sources:**

MODE, 6, 1 – None  
MODE, 6, 2 – DTS-ES Matrix  
MODE, 6, 3 – DTS-ES+THX Cinema  
MODE, 6, 4 – PLIIx Movie  
MODE, 6, 5 – PLIIx Movie+THX Cinema  
MODE, 6, 6 – PLIIx Music  
MODE, 6, 7 – Dolby Digital EX

#### **THX Re-EQ:**

THX, 3, 0 – Re-EQ Off when THX is on  
THX, 3, 1 – Re-EQ On when THX is on  
THX, 3, 2 – Re-EQ Off when THX is off  
THX, 3, 3 – Re-EQ On when THX is off

#### **FM•AM Banks (ZONE2/3/REC codes also work):**

MODE, 9, 0 – AM  
MODE, 9, 1 – FM1  
MODE, 9, 2 – FM2  
MODE, 9, 3 – FM3

### **Some tips if you're using a macro-capable remote control:**

- If you do not want separate Mode selection according to flagged vs. unflagged source material, you can program macros as a 6-key sequence, for example MODE, 0, 1, MODE, 2, 1 and flag will make no difference to selection.
- You can program your source selection keys with the power-on command preceding each source-select command. This way, when a Source is selected, the Statement D1 will turn on at the same time if it is off, similar to Front Panel operation.
- If your source components also have discrete commands for power-on and power-off, you can take the above idea even further, for example, program the TV button with the following sequence: Power-on the Statement D1, select TV Source in the Statement D1, power-on the satellite receiver / cable box, power-on the TV. This way, when the entire system is off and you or a family member wants to watch TV, "just push TV".

# APPENDIX B – PRESET MEMORY CODES

The following codes are for operating other components with the remote control. Codes can **only** be used with their respective Path/Component key (e.g. a VCR code can not be programmed in the DVD Path/Component key). If codes for one of your components are not in this library, see section 6.8.4 for info on how to teach codes from your source remote.

To enter a 4-digit code:

1. Press the Path/Component key (e.g. **DVD**).
2. Press and hold **LEARN** until the LED flashes twice.
3. Enter the **4-digit code**. Two LED blinks indicate that the code is accepted.

Statement D1, AVM 20/30 – MAIN	0040
Statement D1, AVM 20/30 – ZONE2	0041
Statement D1, AVM 20/30 – ZONE3	0042
AVM 2 – MAIN	0043
AVM 2 – ZONE2	0044
CD 1	0897
Sonic Frontiers SFT 1	0157
Sonic Frontiers SFCD 1	0157
Sonic Frontiers Transport 3	0157

## TVs:

AOC	0030, 0019
Admiral	0093, 0463
Aiko	0092
Akai	0030
Alaron	0179
Ambassador	0177
America Action	0180
Ampro	0751
Anam	0180
Audiovox	0451, 0180, 0092, 0623
Baysonic	0180
Belcor	0019
Bell & Howell	0154, 0016
Bradford	0180
Brockwood	0019
Broksonic	0236, 0463
CXC	0180
Candle	0030, 0056
Carnivale	0030
Carver	0054
Celebrity	0000
Cineral	0451, 0092
Citizen	0060, 0030, 0056, 0039, 0092
Concerto	0056
Contec	0180
Craig	0180
Crosley	0054
Crown	0180, 0039
Curtis Mathes	0047, 0054, 0154, 0051, 0451, 0093, 0060, 0030, 0145, 0056, 0016, 0039, 0166, 0466, 1147, 1347
Daewoo	0451, 0019, 0039, 0092, 0623, 0624
Daytron	0019
Denon	0145
Dumont	0017, 0019
Dwin	0720, 0774
Electroband	0000
Emerson	0154, 0236, 0463, 0180, 0282, 0178, 0019, 0179, 0039, 0177, 0623, 0624
Envision	0030
Fisher	0154
Fujitsu	0179
Funai	0180, 0179, 0171
Futuretech	0180
GE	0047, 0051, 0451, 0093, 0282, 0178, 0021, 0135, 1147, 1347
Gibraltar	0017, 0030, 0019
GoldStar	0030, 0178, 0019, 0056
Gradiente	0053, 0056
Grunpy	0180, 0179
Hallmark	0178
Harley Davidson	0179
Harman/Kardon	0054

Harvard	0180
Hitachi	0145, 0056, 0151
Infinity	0054
Inteq	0017
JBL	0054
JCB	0000
JVC	0053
KEC	0180
KTV	0180, 0030, 0039
Kenwood	0030, 0019
LG	0056
LXI	0047, 0054, 0154, 0156, 0178
Logik	0016
Luxman	0056
MGA	0150, 0030, 0178, 0019
MTC	0060, 0030, 0019, 0056
Magnavox	0054, 0030, 0179
Majestic	0016
Marantz	0054, 0030
Matsushita	0250
Megatron	0178, 0145
Memorex	0154, 0250, 0463, 0150, 0178, 0056, 0016
Midland	0047, 0017, 0051, 0039, 0135
Minutz	0021
Mitsubishi	0093, 0150, 0178, 0019
Motorola	0093
Multitech	0180
NAD	0156, 0178, 0166
NEC	0030, 0019, 0056
NTC	0092
Nikko	0030, 0178, 0092
Onwa	0180
Optimus	0154, 0250, 0166
Optonica	0093, 0165
Orion	0236, 0463, 0179
Panasonic	0051, 0250
Penney	0047, 0156, 0051, 0060, 0030, 0178, 0021, 0019, 0056, 0039, 0135, 1347
Philco	0054, 0463, 0030, 0145, 0019
Philips	0054
Pilot	0030, 0019, 0039
Pioneer	0166
Portland	0019, 0039, 0092
Prism	0051
Proscan	0047
Proton	0178, 0466
Pulsar	0017, 0019
Quasar	0051, 0250, 0165
RCA	0047, 0051, 0093, 0019, 0090, 0135, 1047, 1147, 1247, 1347
Radio Shack	0047, 0154, 0165, 0180, 0030, 0178, 0019, 0056, 0039
Realistic	0154, 0165, 0180, 0030, 0178, 0019, 0056, 0039
Runco	0017, 0030, 0603
SSS	0180, 0019
Sampo	0030, 0039
Samsung	0060, 0030, 0178, 0019, 0056
Samsux	0039
Sansei	0451
Sansui	0463
Sansui	0463
Sanyo	0154
Scimitsu	0019
Scotch	0178

Scott	0236, 0180, 0178, 0019, 0179
Sears	0047, 0054, 0154, 0156, 0178, 0179, 0056, 0171
Semivox	0180
Semp	0156
Sharp	0093, 0165, 0039
Shogun	0019
Signature	0016
Sony	0000
Soundesign	0180, 0178, 0179
Squareview	0171
Starlite	0180
Supreme	0000
Sylvania	0054, 0030
Symphonic	0171
TMK	0178, 0056, 0177
Tandy	0093
Technics	0051, 0250
Technol Ace	0179
Techwood	0051, 0056
Teknika	0054, 0180, 0150, 0060, 0019, 0179, 0056, 0016, 0039, 0092
Telefunken	0056
Toshiba	0154, 0156, 0060
Totevision	0039
Vector Research	0030
Victor	0053
Vidikron	0054
Vidtech	0178, 0019
Wards	0054, 0165, 0030, 0178, 0021, 0019, 0179, 0056, 0016
White Westinghouse	0463, 0623, 0624
Yamaha	0030, 0019
Zenith	0017, 0463, 0016, 0092

## VCRs:

Admiral	0048, 0209
Adventura	0000
Aiko	0278
Aiwa	0037, 0000
Akai	0041
America Action	0278
American High	0035
Asha	0240
Audiovox	0037
Beaumarck	0240
Bell & Howell	0104
Brocksonic	0209
Broksonic	0184, 0121, 0209, 0002
CCE	0072, 0278
Calix	0037
Canon	0035
Carver	0081
Cineral	0278
Citizen	0037, 0278
Colt	0072
Craig	0037, 0047, 0240, 0072, 0271
Curtis Mathes	0060, 0035, 0041, 0162
Cybernex	0240
Daewoo	0045, 0278
Denon	0042
Dynatech	0000
Electrohome	0037
Electrohome	0037
Emerex	0032
Emerson	0037, 0184, 0000, 0121, 0043, 0209, 0002, 0278

# APPENDIX B – PRESET MEMORY CODES continued ...

Fisher	0047, 0104
Fuji	0035, 0033
Funai	0000
GE	0060, 0035, 0048, 0240
Garrard	0000
Go Video	0526
GoldStar	0037, 0038
Gradiente	0000
HI-Q	0047
Harley Davidson	0000
Harman/Kardon	0081, 0038
Harwood	0072
Headquarter	0046
Hitachi	0000, 0042, 0041
Hughes Net. Sys.	0042
JVC	0067, 0041
Jensen	0041
KEC	0037, 0278
KLH	0072
Kenwood	0067, 0041, 0038
Kodak	0035, 0037
LXI	0037
Lloyd's	0000
Logik	0072
MEI	0035
MGA	0240, 0043
MGN Technology	0240
MTC	0240, 0000
Magnasonic	0278
Magnavox	0035, 0039, 0081, 0000, 0149
Magnin	0240
Marantz	0035, 0081
Marta	0037
Matsushita	0035, 0162, 0454
Memorex	0035, 0037, 0048, 0039, 0047, 0240, 0000, 0104, 0209, 0046, 1162, 1262
Minolta	0042
Mitsubishi	0048, 0067, 0043
Motorola	0035, 0048
Multitech	0000, 0072
NEC	0104, 0067, 0041, 0038
Nikko	0037
Noblex	0240
Olympus	0035
Optimus	0037, 0048, 0104, 0162, 0454, 1062, 1162, 1262
Orion	0184, 0209, 0002
Panasonic	0035, 0162, 0225, 0454, 1162
Penney	0035, 0037, 0240, 0042, 0038
Pentax	0042
Philco	0035, 0209
Philips	0035, 0081
Pilot	0037
Pioneer	0067
Profitronic	0240
Proscan	0060
Protec	0072
Pulsar	0039
Quarter	0046
Quartz	0046
Quasar	0035, 0162, 0454, 1162
RCA	0060, 0035, 0048, 0240, 0042, 0149
Radio Shack	0000
Radix	0037
Randex	0037
Realistic	0035, 0037, 0048, 0047, 0000, 0104, 0046
Runco	0039
STS	0042
Samsung	0240, 0045
Sanky	0048, 0039
Sansui	0000, 0067, 0209, 0041, 0271
Sanyo	0047, 0240, 0104, 0046
Scott	0184, 0045, 0121, 0043
Sears	0035, 0037, 0047, 0000, 0042, 0104, 0046

Semp	0045
Sharp	0048
Shintom	0072
Shogun	0240
Singer	0072
Sony	0035, 0032, 0000, 0033
Sylvania	0035, 0081, 0000, 0043
Symphonic	0000
TMK	0240
Tatung	0041
Teac	0000, 0041
Technics	0035, 0162
Teknika	0035, 0037, 0000
Thomas	0000
Toshiba	0045, 0043
Totevision	0037, 0240
Unitech	0240
Vector	0045
Vector Research	0038
Video Concepts	0045
Videosonic	0240
Wards	0060, 0035, 0048, 0047, 0081, 0240, 0000, 0042, 0072, 0149
White Westinghouse	0209, 0278
XR-1000	0035, 0000, 0072
Yamaha	0038
Zenith	0039, 0000, 0209, 0033

## TV/VCR Combos:

American High	0035 (TV - 0051)
Brocksonic	0002, 0294
Colt	0072
Curtis Mathis	0035 (TV - 0051)
Daewoo	0278
Emerson	0002, 0294, 0479
Funai	0000
GE	0035 (TV - 0051), 0060 (TV - 0047), 0048 (TV - 0093), 0240
Hitachi	0035 (TV - 0051), 0000
HQ	0000
Lloyds	0000
MGA	0240
Magnavox	0081 (TV - 0054), 0035 (TV - 0051), 0000
Magnin	0240
Memorex	0037, 0162 (TV - 0250)
Mitsubishi	0048 (TV - 0093)
Orion	0002, 0294, 0479
Panasonic	0035 (TV - 0051), 0162 (TV - 0250)
Penney	0035 (TV - 0051), 0240, 0162 (TV - 0250)
Quasar	0035 (TV - 0051), 0162 (TV - 0250)
RCA	0060 (TV - 0047), 0035 (TV - 0051), 0048 (TV - 0093)
Sansui	0000, 0479
Sanyo	0240
Sears	0000, 0037
Sharp	0048 (TV - 0093)
Sony	0032 (TV - 0000)
Symphonic	0000
Zenith	0000

## Cable Converters:

ABC	0003, 0008, 0014, 0017, 0007, 0011, 0013
Allegro	0153, 0315
Archer	0153, 0797
Bell & Howell	0014
Century	0153
Citizen	0153, 0315
Comtronics	0040

Contec	0019
Eastern	0002
Emerson	0797
Everquest	0015, 0040
Focus	0400
Garrard	0153
Gemini	0015
General Instrument	0476, 0276, 0011, 0810
GoldStar	0144, 0040
Goodmind	0797
Hamlin	0020, 0259, 0009, 0034
Hitachi	0011
Hytex	0007
Jasco	0015, 0153, 0315
Jerrold	0003, 0012, 0476, 0276, 0014, 0015, 0011, 0810
Memorex	0000
Movie Time	0063
NSC	0063
Oak	0019, 0007
Optimus	0021
Panasonic	0000, 0107, 0021
Paragon	0000
Philips	0153
Pioneer	0144, 0533
Popular Mechanics	0400
Pulsar	0000
Quasar	0000
RCA	0021
Radio Shack	0015, 0315, 0797, 0883
Recoton	0400
Regal	0020, 0259
Regency	0002
Rembrandt	0011
Runco	0000
SL Marx	0040
Samsung	0144, 0040
Scientific Atlanta	0008, 0477, 0017, 0877
Signal	0015, 0040
Signature	0011
Sprucer	0021
Starcom	0003, 0015
Stargate	0015, 0040, 0797
Starquest	0015
TV86	0063
Television	0040
Tocom	0012, 0013
Toshiba	0000
Tusa	0015
Unika	0153
United Artists	0007
Universal	0153, 0191
Viewstar	0063
Zenith	0000, 0525
Zentek	0400

## Satellite or DBS Receivers:

AlphaStar	0772
Chaparral	0216
Echostar	0775
Expressvu	0775
General Instrument	0627, 0361, 0869
HTS	0775
Hitachi	0819
Hughes Net. Sys.	0749
JVC	0775
Jerrold	0627, 0361
Magnavox	0724, 0722
Memorex	0724
Next Level	0869
Panasonic	0701
Philips	0724, 0722
Primestar	0627, 0361
RCA	0566, 0143, 0392, 0855
Radio Shack	0869
Realistic	0052
Sony	0639
Star Choice	0869
Toshiba	0790
Uniden	0724, 0722, 0052
Zenith	0856

# APPENDIX B – PRESET MEMORY CODES continued ...

## CD Players:

Aiwa	0157, 0124
Burmester	0420
California Audio Lab	0029
Carver	0157, 0179, 0437
DKK	0000
Denon	0003, 0873
Emerson	0305
Fisher	0179, 0174
Garrard	0420, 0393
Genexxa	0032, 0305
Harman/Kardon	0157, 0173
Hitachi	0032
JVC	0072
Kenwood	0028, 0037, 0190, 0681, 0826
Krell	0157
LXI	0305
Linn	0157
MCS	0029
MTC	0420
Magnavox	0157, 0305
Marantz	0029, 0157, 0180
Mission	0157
NSM	0157
Nikko	0174
Onkyo	0101, 0868
Optimus	0000, 0032, 0179, 0305, 0037, 0420, 0145, 0468, 0437
Panasonic	0029, 0303
Parasound	0420
Philips	0157, 0626
Pioneer	0032, 0305, 0468, 0244
Proton	0157
QED	0157
Quasar	0029
RCA	0179, 0305, 0053, 0764
Realistic	0179, 0420, 0180
Rotel	0157, 0420
SAE	0157
Sansui	0157, 0305
Sanyo	0179
Scott	0305
Sears	0305
Sharp	0037, 0180, 0861
Sherwood	0180
Sony	0000, 0185, 0490
Soundesign	0145
Tascam	0420
Teac	0420, 0393, 0174, 0180
Technics	0029, 0303
Victor	0072
Wards	0157, 0053
Yamaha	0036, 0187
Yorx	0461

## DVD Players:

Harman/Kardon	0582
JVC	0558
Kenwood	0534
Magnavox	0503
Mitsubishi	0521
Onkyo	0503
Panasonic	0490
Philips	0503, 0539
Pioneer	0525, 0571
Proscan	0522
RCA	0522
Samsung	0573
Sony	0533
Technics	0490
Theta Digital	0571
Toshiba	0503
Yamaha	0490, 0545
Zenith	0503, 0591

## LD Players:

Denon	0059
Mitsubishi	0059
NAD	0059
Pioneer	0059
Sony	0193, 0201

## Cassette Decks:

Aiwa	0029, 0197
Carver	0029
Denon	0076
Harman/Kardon	0182, 0029
JVC	0244, 0273
Kenwood	0070
Magnavox	0029
Marantz	0029
Onkyo	0135, 0282
Optimus	0027, 0220
Panasonic	0229
Philips	0029
Pioneer	0027, 0220, 0099
Sansui	0029
Sony	0243, 0170, 0291
Technics	0229
Victor	0273
Wards	0027
Yamaha	0097, 0094

## Stereo Tuners or Receivers:

ADC	0531
Adcom	0616
Aiwa	0158, 0189, 0121, 0405
Akai	0224
Capetronic	0531
Carver	0189, 0008, 0042, 0360
Casio	0195
Clarinette	0195
Curtis Mathes	0080
Denon	0004
Emerson	0424
Fisher	0042, 0219, 0360
Garrard	0463, 0424
Harman/Kardon	0110, 0189, 0891
JBL	0110
JVC	0074
Kenwood	0027, 0186, 0042, 0077
Koss	0424
LXI	0181
Linn	0189
Lloyd's	0195
MCS	0039, 0346
Magnavox	0531, 0189, 0195, 0391
Marantz	0039, 0189
Modulaire	0195
NAD	0320
Nakamichi	0097, 0347
Onkyo	0135
Optimus	0531, 0670, 0186, 0042, 0177, 0181, 0219, 0738, 0801, 1023
Panasonic	0039, 0309
Penney	0195
Philips	0189, 0391
Pioneer	0531, 0014, 0150, 0630, 0080, 1023
Quasar	0039
RCA	0531, 0054, 0346, 0360, 0530
Realistic	0195, 0163, 0181
Sansui	0189, 0346
Sanyo	0219, 0801
Scott	0163, 0322
Sharp	0186
Sherwood	0491, 0502
Sony	0158, 0168, 0474

Soundesign	0670
Teac	0463, 0163
Technics	0039, 0309, 0208
Victor	0074
Wards	0158, 0014, 0189, 0080, 0054
Yamaha	0176, 0186
Yorx	0195
Zenith	0857

## Stereo Amplifiers:

Aiwa	0406
Carver	0269
Curtis Mathes	0300
Denon	0160
Harman/Kardon	0892
JVC	0331
Linn	0269
Magnavox	0269
Marantz	0269
Panasonic	0308
Philips	0269, 0892
Pioneer	0013, 0300
Sony	0220, 0689
Technics	0308
Victor	0331
Wards	0013
Yamaha	0354

## Home Automation:

GE	0240
Lutron	0597
One For All	0167
Radio Shack	0240
Security System	0167
Universal X10	0167
X10	0167

## DBS Audio Services:

Aiwa	0010, 0159, 0404
Fisher	0052
Harman/Kardon	0477
JBL	0477
JVC	0073
Jerrold	0459, 0520
RCA	0056
Scientific Atlanta	0460
Sony	0010, 0159
Starcom	0459

## Video Accessories:

Archer	0160
GC Electronics	0160
Jebsee	0160
Rabbit	0081
Radio Shack	0160
TeleCaption	0171