



## **Model STV1 Universal Remote Control Owner's Manual and Programming Guide**

### **Introduction**

Seal Shield is a market leader for infection control products, providing healthcare technologies for hospitals and your home. We are very pleased to welcome you to our family of remote control products.

The Seal Shield™ Model STV1 Universal Remote employs a waterproofing process to deliver a programmable universal remote that is spill proof, fully submersible and dishwasher safe. Our unique Silver Seal™ protection is built into the product to inhibit the growth of bacteria that may affect this product. Please follow the instruction detailed in this manual to properly use, program and enjoy this unique quality product.

### **Battery Installation**

To install batteries in the STV1, remove the battery cover located on the back of the remote. You will need a Phillips-Head screwdriver to accomplish this task. When the screws are removed, please note the small gasket attached to each screw. Ensure these gaskets are on the screws when you reattach the battery cover.

After removing the screws, lift off the cover. Under the cover you will find a rectangular gasket. Please set this to the side. Insert two AAA batteries as indicated on the inside of the remote.

Place the rectangular gasket that you had set aside back in around the edge of the opening of the battery compartment. Place the cover over the compartment. Insert each of the screws with their individual gaskets attached, and tighten firmly into place. As you tighten the screws, press firmly on the battery cover near where the screw is being tightened to help secure the gasket in place. Do this for each screw.

Ensure the screws are seated fully, but do not over tighten to avoid stripping the threads or breaking the screw.

Your remote is now ready for programming and for washing.

## **Model STV1 Universal Remote Programming Instructions**

The STV1 remote supports several important features:

1. Programming the remote based upon the brand and model of your TV.
2. Programming the remote by automatically searching for the appropriate code for your TV.
3. Programming the remote by manually searching for the appropriate code for your TV.
4. Learning additional codes supported by your TV.
5. Several support functions including:
  - Displaying the current code
  - Locking/unlocking the current device feature so that it cannot be inadvertently changed by the programming functions.
  - Resetting the remote
  - Washing/cleaning the STV1 remote.

### **Programming the remote based upon the brand and model of your TV. (Direct Code Input)**

Please read all directions in this section before you begin.

1. Locate the manufacturer of your TV in the device code list at the end of this manual; and take note of all of the codes listed, as these will be needed to complete the remainder of this programming. If your brand of TV is not listed, please proceed to section 2 (Program by Automatic Code Search), section 3 (Program by Manual Code Search) or section 4 (LEARN function instructions).
2. While pressing the "SET" button, press the "TV" button.  
RESULTS
  - The LED will light and remain lit.
3. Release both the "SET" and the "TV" buttons.
4. Enter the first device code from your list of device codes for your TV brand. If a code is not entered within 10 seconds the remote will exit the Direct Code input mode.  
RESULTS
  - If the device code is accepted the LED will turn off - continue to step 5.
  - If the device code is not accepted return to step 4 and try the next device code.
5. Test the remote control. RESULTS
  - If the remote controls the TV as expected, you have completed programming the STV1.
  - If the remote does not control the TV as expected return to step 5 and try the next device code from your list of codes for your TV manufacturer. Alternatively, you may also choose to use the section 2 (Program by Automatic Search), section 3 (Program by Manual Code Search), or section 4 (LEARN Function instructions).
6. To exit the setup mode at any time press the TV button again.

## Program by Automatic Code Search

Please read all directions in this section before you begin.

1. Power on the TV you wish to program the remote to control.
2. Hold the remote pointed towards the TV. (You must point the remote towards the TV you wish to control during the "Automatic Code Search" process.)
3. While pressing the "SET" button, press and hold the "TV" button for 3 seconds.

### RESULTS

- The remote enters "Automatic Code Search" mode.
  - The "power on/off" signal will be transmitted every 2 seconds for each manufacture code in the TV device database. After the "Automatic Code Search" tries all device codes for TV it will exit the "Automatic Code Search" function.
4. Once the device powers off, immediately press any button except "SET" to exit the "Automatic Code Search" mode. Test the remote control.

### RESULTS

- If the remote controls the TV as expected, you have completed programming by "Automatic Code Search".
5. If the remote does not control the TV as expected, return to step 3 or follow the instructions in section 1 (Direct Code Input), section 3 (Program by Manual Code Search), or section 4 (LEARN Function instructions).
  6. To exit the setup mode at any time press the any key except "SET."

## Program by Manual Code Search

Please read all directions in this section before you begin.

1. Power on the TV you wish to program the remote to control.
2. While pressing the "SET" button, press the "TV" button.

### RESULTS

- The LED will light and remain lit.
3. Release both the "SET" and the "TV" buttons.
  4. Holding the remote pointed towards the device you wish to control press the red Power button located at the top of the remote between the TV and the LEARN buttons.

### RESULTS

- The LED will start flashing to indicate the remote is in "Manual Code Search" mode.
5. Keep pressing the Power button at approximately 1 second intervals until the device reacts by turning off. The "SET" key can be used to change the code search direction.
  6. Once the device turns off, press the Power button to turn the device back on.
  7. Test the remote control. While in Program by "Manual Code Search" mode any keys except "PWR" and "SET" can be used to test the remote functionality.

## RESULTS

- If the remote controls the TV as expected you have completed programming by “Manual Code Search.” The remote will exit “Manual Code Search” mode in 30 seconds if no key is pressed.
- If the remote does not control the TV as expected return to step 1 and try the next device code that causes the TV to power off or follow the instructions in section 1 (Direct Code Input), section 2 (Program by Automatic Code Search), or section 4 (LEARN Function instructions).

9. To exit the setup mode at any time press the TV button

## Additional Functions

### Display Code Function

The “Display Code Function” allows you to determine the code that the remote is current configured to use:

1. While pressing the “SET” button, press the number (1) button.
2. Release both keys.

#### RESULTS

- The LED blinks the number of times (0-9) necessary to indicate the value of the first digit of the code currently programmed.

3. Press and hold the “SET” button.
4. While pressing the “SET” button, press the number (2)
5. Release both keys.

#### RESULTS

- The LED blinks the number of times (0-9) necessary to indicate the value of the second digit of the code currently programmed.

6. While pressing the “SET” button, press the number (3) button.
7. Release both keys.

#### RESULTS

- The LED blinks the number of times (0-9) necessary to indicate the value of the third digit of the code currently programmed.

Example: for code 016

SET+1 (first digit): LED blinks 0 times

SET+2 (second digit): LED blinks 1 times

SET+3 (third digit): LED blinks 6 times

### Device Lock/Unlock Function

The “Device Lock/Unlock Function” allows you to lock the current device feature so that it cannot be inadvertently changed by the programming functions.

1. Press the “TV” button.
2. While pressing the “SET” button, press the number (7) button.
3. Release both keys.

#### RESULTS

- The LED blinks (2) times. The TV feature is now locked
- The TV feature cannot be reprogrammed without first unlocking it.

### **Process to unlock:**

1. Press the "TV" button.
2. Press and hold the "SET" button.
3. While pressing the "SET" button, press the number (8) button.
4. Release both keys.

#### **RESULTS**

- The LED blinks (2) times.
- The TV feature is now unlocked and can be reprogrammed.

### **LEARN Function**

The "LEARN Function" allows your new remote to "learn" codes from your old remote.

1. Press and hold the "LEARN" button.
2. While pressing the "LEARN" button, press the "TV" button.

#### **RESULTS**

- The LED starts flashing one time per second to indicate it is in learning mode
3. Press the button on the new remote you wish to "learn" from the old remote.

#### **RESULTS**

- The LED stays lit which indicates it is now waiting to "learn".
4. Place the new remote and the old remote approximately 5cm apart with the front ends facing each other.
  5. Press the button on the old remote that you wish the new remote to "learn".

#### **RESULTS**

- If the "learning" is successful, the LED will blink fast (3) times, stay lit for 1 second, and then continue to flash one time per second to indicate it is in learning mode.
6. To "learn" more buttons return to step 3.
  7. To exit "learn" mode press the "LEARN" key again.

### **Process to delete all "learned" buttons on the remote**

1. Press and hold the "SET" button and "0" button for 3 seconds.

#### **RESULTS**

- The LED flashes (3) times.
- All "learned" buttons are deleted from memory.

#### **Notes:**

1. If no keys are pressed within 10 seconds the remote will exit "Learn" mode automatically.
2. The "TV" buttons and "SET" buttons cannot be "learned".
3. Up to 14 buttons can be "learned".

## Reset Function

The “Reset Function” allows you to erase all configuration and return to default configuration.

1. Press and hold the “SET” button.
2. While pressing the “SET” button, press and hold the “0” button for more than 3 seconds.
3. Release both buttons

### RESULTS

- The LED blinks 3 times and extinguishes
- The remote has been reset

## Washing or Cleaning your STV1 Remote

Recent studies have shown the television remote control is one of the “dirtiest” electronic devices in any household. As a common-touch device that is handled by everyone in the family, germs on the remote can easily be transmitted to others. Only Seal Shield™ remotes are both washable, and also protected by Silver Seal™. Silver Seal™ is an antimicrobial, fungistatic agent which makes the product greener and fresher by inhibiting the growth of microbes, odor-causing bacteria, mold, mildew and fungi on the product’s surface.

You can easily clean the STV1 remote at any time by spraying it with a disinfectant spray and wiping it dry with a clean cloth or paper towel. You can also wash the remote in a sink of warm water using a disinfectant soap, or you can simply put the remote in the dishwasher on the top rack. We recommend you remove it before the heat drying cycle and dry it by hand. Before you put the remote in the sink or the dishwasher, please ensure the screws that hold the battery cover in place are secure.

## FCC Compliance

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. There is no guarantee, however, that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- 1) Reorient or relocate the receiving antenna.
- 2) Increase the separation between the equipment and receiver.
- 3) Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Properly shielded and grounded cables and connectors must be used in order to meet FCC emission limits. Seal Shield, LLC, is not responsible for any radio or television interference caused by using other than recommended cables and connectors or by unauthorized changes or modifications to this equipment. Unauthorized changes or modifications could void the limited warranty.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Brand Code List

TV

BRAND	TV
Abex	011,286
Accurian	140,452
Accuscan	005,014
Acme	156
Action	002,006,010,042
ADA	167
ADC	152,154
Admiral	003,004,005,014,015,018,025,035,040,041,055,165,308,455
Advantz	049
Advent	030,080,087,094,101,238,326,456,457
Adventura	279
Adventuri	001
Adyson	011
Agna	030
Aiko	024
Aiwa	011,295,296,309
Akai	010,012,020,021,028,031,064,071,149,211,230,361,362,372,373,410,442
Alaron	037,040
Alba	011,012,045
Albatron	002
Alfide	064
Alleron	010,037,193
Amark	002,007,011,013,014,018,035,165
Ambassador	030,039
America Action	041
American High	001,021
Ampro	079
Amstrad	013,038,039
Amtron	001,041, 062
Anam	041
Anamnational	019, 062, 150,169,184,293
AOC	002,006,010,011,012,013,041,042,151,152,155,159,264,280,288,341,429,439,461,476
Aomni	399
Apex	078,081,113,321,367,423
Apex Digital	033,042,078,081,083,113
Archer	002,165
Aspect	198
Astar	472
Asuka	045
Audinac	041
Audio-Technical	006
Audiovox	002,024,040,041,054,061,062,074,090,112,140,147,348,436,457
AUVIO	451,489
Aventura	038
Axion	147,281,454

Bang&Olufsen	291
Basicline	045
Baycrest	011,043
Baysonic	041
Beaumarck	004,006,010,040
Belcor	006,010,151
Bell&Howell	003,018,025,032,040,133,191
BenQ	139,215,226,383,462
Bluesky	258,386
Boxlight	118
Bradford	041,062
Brick	013
Brockwood	006,010,020
Broksonic	002,013,039,041,046,055,142,253,315,320,458,459
Brokwood	151
Candle	010,013,020,043,151,155,279
Capehart	002,004,006,010,011,024,280
Carnivale	010
Carver	018,037
CCE	122
Celea	081
Celebrity	001,149
Celera	081
Centrios	274
Centurion	155
Cetronic	184
Changhong	033,081,083,087,321
Cinego	016
Cineral	024,054,258
Citek	011,014
Citizen	001,002,003,006,007,010,011,013,018,020,021,024,038,041,043,048,049,054,055,062,127,151,155,184,230,253
Civet	042
Clairtone	042, 159
Clarion	041
Classic	006,010,020,024,081,184,321
COBY	359,364,463,464
Color voice	156
Coloryme	004,005,006,010,011,014,018,021,151,155,156
Colt	006
Commercialsolutions	014,133
Concerto	020,151,155
Conic	006
Concierge	235
Contec	041,042, 052,159,184,062
Cornea	192
Craig	038,040,041,049,184,062
Crosley	001,010,018,026,038,041,044,
Crown	013,020,025,041,062,064,184
Crownmustang	064
CTX	165



Curtis Mathes	001,003,005,006,010,011,012,013,014,015,018,020,021,025,028,032,036,040,041,054,056,071,077,124,127,131,133,151,155,160,191,230,249,318,460
CXC	041,184,062
Cybervision	258
Daewoo	006,007,013,024,054,061,064,064,138,139,151,152,155,156,162,163,164,181,184,185,213,225,246,247,249,256,324
Dayton	024, 151,155
Daytron	006,010,011,013,020,024
Dell	006,122,134,172,251,390
Denon	012,019,028,060
Denstar	062
Diamond Vision	220,304,331
Digimate	346
Digistar	078,087,238,251,270,272,348,384,385
Digital Lifestyles	479
Digital Stream	453
Dimensia	133,133
Disney	253,265
Dukane	198,066
Dumont	003,004,006,011,041,151,235
Durabrand	002,006,038,041,055,120,253,262,290,307,370
Dwin	025,077,085
Dynasty	184
Dynex	421
Eaton	021
Electroband	001,042,149,159
Electrograph	138
Electrohome	001,006,010,011,013,020,030,031,032,042,052,150,151,155,167
Elektra	003,004,061
Elite	045
Elite Video	297
Emerald	006,039
Emerson	006,011,012,013,014,029,030,032,037,038,039,040,041,042,046,048,049,054,055,061,062,141,142,155,166,168,169,171,174,175,176,177,179,181,182,183,184,186,187,191,193,249,253,282,290,304,309,310,313,315,325
Envision	006,010,011,013,092,151,155,341
Epson	097,100
ESA	038,071,290
Fisher	001,018,032,034,052,191,234,034
Flex Vision	074
Fortress	025
Fujitsu	040,043,067,091,105,193,297,338
Funai	001,013,038,040,041,062,141,184,193,290,309,325
Futuretec	184,062
Futuretech	041
Gateway	138,139,188
GE	001,005,006,008,010,012,014,015,019,021,049,054,077,124,131,133,144,150,151,155,160,167,186,194,218,232,245,190,317

Gemini	014
Gibraltar	001,004,006,010,151,235
Go Video	116
Go Vision	147
Gold Star	005,006,010,011,013,014,018,020,052,106,151,152,155,197,213,264,309,316
Goodmans	050
GPX	040
Gradiente	017,020,037,151,238,262,344,389
Grandtec	480
Granprix	040
Granada	011
Grundig	064,067,072
Grundy	040,041,062,193
Grunpy	040,041
Guestvision	299
Gvision	337
Haier	078,120,139,307,380,409,432
Hallmark	006,040,041,044,046,151,155
Hannspree	132
Harley-Davidson	001,006,010,021,040,041,141
Harman/Kardon	018
Harvard	041,062
Hauppauge	403
Havermy	025
Heathkit	004
Helios	110
Hellokitty	054
Hewlett-Packard	336,465,481
Hikone	045
Himitsu	041,062,086
Hisense	078,209,284,345
Hitachi	001,003,004,005,011,012,013,014,015,018,019,020,028,031,040,042,052,066,123,141,151,155,198,199,200,254,255,257,282,309,334,437,448,482
Hyundai	103,110,369,466,467
ILO	259,290,298,351,357,362,408,413
IMA	006,040,041,046,062
InFocus	133
Infinity	018,018,314
Initial	259,357,357
Insignia	038,173,228,238,252,253,272,290,307,325,381,417,420,477
Integra	283
Inteq	004,028,235
Janeil	279
JBL	018,018
JC Penney	008,043,052,127,133,151,152,155,160,167,174,194,218,230,232
JCB	001,149
Jensen	030,080,094,151,155,252

JIL	006,010
Jutan	006,010
JVC	010,017,018,019,052,076,170,199,203,204,206,257,266, 297,311,327,434,449
Kamp	004,006,041,042
Kawasho	006,010,042,149,151,155
Kaypani	280
KEC	021,041
KEC0041	062
Kenmore	029
Kenwood	006,010,041,151,155
KLH	033,041,081,083
Kloss	009,010
Kloss Novabeam	205,279
KMC	002,011
Kogi	337
Konka	041,045,062,073,157,161,173,189,228,322
KTV	010,013,041,042,048,055,062,159,166,184,207
Kurazai	003
Lark	032
Lasonic	304,331
Legend	238
LG	002,006,010,018,020,021,052,106,107,128,151,152,155, 192,197,213,251,263,264,309,316,392,483
Liquidvideo	273,281
Lloyd's	010,011,013,020,040,041,046,141
Lodgenet	003,133,300
Loewe	027,018,305,485
Logik	003,020,040,041,046,133
Luce	195
Luxman	020,151,155
Lxi	001,003,004,005,006,007,008,009,010,011,012,013,014, 015,017,018,019,020,021,025,026,029,032,033,034,035, 036,038,040,048,077,127,133,151,155,160,191,232,309
Macy	013,043
Magnasonic	001,002,006,010,018,020,024,025,033,040,141,193
Magnavox	001,006,007,009,010,014,015,018,021,024,026,032,038, 040,041,043,044,047,049,051,072,090,101,134,138,141, 151,155,205,210,257,285,308,314,325,368,411
Majestic	003,004,133
Marantz	010,018,031,106,134,151,155,283
Matsui	013,020,039
Matsushita	015,047,063
Maxent	138,139,188
Medion	265,277,298
Megapower	002
Megatron	002,006,014,020,028,031,151,155,198
Mei	042, 159
Memorex	003,006,010,011,013,020,030,032,035,040,041,055,133, 142,143,145,146,151,155,191,193,253,315,339,468
MGA	006,010,030,034,052,151,152,155,167,193,257

MGN Technology	006
Microgenius	030
Midland	004,005,006,011,013,014,015,020,077,133,160,194,232,235
Mintek	259
Minutz	008
Mitsubishi	006,010,025,030,032,034,099,111,126,151,152,155,167,193,257,261,415,418,426
Monivision	002,178
Montgomery Ward	003,133
Moteva	191,344
Motorola	015,018,019,025,030,150,165
MTC	006,010,011,013,020,021,024,041,042,049,127,151,152,155,159,230
Multitech	040,041,062
Multivision	216
Myron&Davis	306
NAD	006,020,033,036,127,151,155,286
NEC	003,006,010,014,020,031,035,037,059,114,137,150,151,152,155,156,257,283,474
Net TV	138,188,244
Newtech	020
Nexxtech	272,356
Nikei	184
Nikko	010,006,024,151,155
Nikkodo	006,010,024
Niko	376
Nishi	005,010
Norcent	078,095,185,196
Noshi	005
NTC	024,
Nyon	001
Olevia	130,353,374,375,387
Oncommand	299
Onking	184
Onwa	041,062,184
Optimus	003,006,010,011,013,020,025,030,032,035,036,041,047,063,141,145,146,275,286,
Optoma	132, 354
Optonica	025,035, 165
Orion	004,006,039,040,041,046,055,142,177,235,253,441
Pace	006,024
Palsonic	086
Panasonic (National)	001,005,009,010,015,018,019,033,046,047,063,129,145,146,150,194,207,275,276,323,332,405,475
Panda	072
Pausa	040
Paxonic	006,010,011,013,021
PCE	021,033,040
Penney	001,002,003,005,006,008,010,011,012,013,014,015,020,021,033,034,047,077,131

Philco	006,007,009,010,012,018,026,028,040,043,044,055,088, 119,150,151,152,155,157,205,210,257,285
Philips	010,018,020,026,038,043,044,070,101,106,134,139,150, 151,205,210,217,218,257,267,285,290,302,303,314,325, 382,396,400,419,444,445
Philips Magnavox	018,134,285,303,308,314
Pilot	006,010,013,015,020,021,151
Pioneer	012,019,036,066,151,155,219,282,283,286,424,487
PIVA	358
Planar	339
Polaroid	081,110,173,252,278,284,348,371,468
Portland	002,006,011,013,024,054,151,152,155,249
Precision	039,041,042,046,049,271
Price Club	230
Prima	030,080,087,094,238,270,272,348
Princeton	002,075
Princeton Graphics	075,165
Prism	015,019,047,194
Proscan	005,014,056,077,131,133,144,160,232,268,269,425
Proton	002,006,013,054,056,151,155,221,280,287,342
Protron	346,388
Proview	352,353
Pulsar	003,004,006,024,151,235
Pulser	006,024
Quartz	006,030
Quasar	003,009,015,018,019,035,047,063,145,146,150,194,207, 275,276
Rabbit	014
RadioShack	006,010,011,013,014,020,030,032,035,041,052,062,077, 133,141,143,151,155,183,184,190,191,275,309,317
RCA	001,005,006,008,012,014,015,018,023,025,035,066,077, 085,121,124,131,133,135,144,148,150,151,152,155,160, 167,190,194,222,223,225,227,232,236,245,248,268,269, 282,288,289,317,431,486
Realistic	002,003,006,010,011,013,014,020,030,032,035,041,052,062,13 3,151,155,183,184,190,191,275,309
Replay TV	484
Rhapsody	042,159
Road Authority	049
Runco	003,004,010,021,059,235,283
Sampo	010,011,013,014,052,138,139,151,155,188,244,280
Samsung	004,006,010,011,013,014,018,019,020,021,032,052,056, 071,082,093,127,151,152,154,155,160,211,213,229,230, 231,277,318,329,393,395,401,402,404,414,416
Samsux	012,013,155
Samtron	230
Sanky	006,010,012,013,021,048
Sansui	006,010,021,035,055,141,142,253,315,441,443
Santeca	294
Sanyo	001,014,018,022,029,032,034,038,052,055,089,118,138, 151,191,224,233,234,407,412,430

Saville	021
Sceptre	260,367
Scimitsu	006
Scotch	006,151,155
Scott	006,010,013,039,040,041,046,062,151,155,168,177,184,193
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