



STV5-in-1 Slim Seal™ 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 pleased to welcome you to our family of remote control products.

The Seal Shield™ STV5 Slim Seal™ 5-in-One Universal Remote Control allows you to replace, augment or consolidate up to five separate remotes into a convenient, safe-to-use anywhere remote. The STV5 is waterproof, provides antimicrobial protection of the remote surfaces, and it even floats!

The Seal Shield™ STV5 Slim Seal™ 5-in-One 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

Remove the battery cover located on the back of the remote. You will need a small Phillips-Head screwdriver to accomplish this task. When the screws are removed, please note the small gaskets that are attached to each screw or that are in the screw hole on the remote. Ensure these gaskets are on the screws or in the screw holes when you reattach the battery cover.

After removing the screws, lift off the cover. Remove the old battery and replace it with a new CR2332 or CR2032 battery with the positive (+) side facing up.

Replace the cover over the compartment. Insert each of the screws with their individual gaskets attached. Press down firmly on the area that is being tightened, and firmly install the screw ensuring it is fit snugly into place. Your remote is now ready for use, programming and for washing.

Instructions for Programming the STV5 Remote.

1. Programming the remote based upon the brand and model of your device.
2. Programming the remote by automatically searching for the appropriate code for your device.
3. Programming the remote by manually searching for the appropriate code for your device.
4. Learning codes supported by your device.
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.
 - Device duplication.
 - Resetting the remote.
 - Locking/unlocking the volume control, allowing you to use one device to control the volume for other devices.

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

Preparation: Please read all directions in this section before you begin.

1. Locate the code list for the type of device you wish to program the remote to support.
2. Locate the manufacturer of your device in the proper device code list and take note of the codes listed for that device for use in programming the remote. If your device is not listed you can still try to program the remote control by Automatic Code Search, Manual Code Search or with the LEARN function as described in other sections of this manual.
3. While pressing the "SET" button, press the button for the device you wish to program .
RESULTS: The LED will light and remain lit.
4. Release both the "SET" and the device buttons.
5. Enter the 1st device code from the list of device codes you had previously looked up. If a code is not entered in 10 seconds the remote will exit "Direct Code" mode.
RESULTS
 - The LED turns off if the device code is accepted - go to step 7.
 - If the device code is not accepted return to step 4 and try the next device code.
6. Test the remote control.

RESULTS

- If the remote controls the device as expected you have completed programming this device by the "Direct Code" method.
 - If the remote does not control the device as expected, return to step 4 and try the next device code. Alternatively, you can use the "Program by Automatic Search," "Program by Manual Code Search," or "LEARN Function" instructions to program the device.
7. To exit this setup mode at any time press the device key again.
 8. Make note of the codes that successfully controlled your device(s) and store the manual in a safe place in the event the STV5 needs to be reprogrammed in the future.

Programming by Automatic Code Search. Please read all directions in this section before you begin.

1. Power on the device you wish to program the remote to control – If you are programming the remote to control a VCR, insert a tape.
2. Point the remote toward the device you wish to control.
3. While pressing the "SET" button, press and hold the button for the device you wish to program (TV, VCR/DVD etc.) for 3 seconds, then release.

RESULTS

- The remote enters "Automatic Code Search" mode.
 - The "power on/off" signal will be transmitted every 2 seconds for each manufacturer code in the device database until any button (except "SET") is pressed. Pressing the "SET" key can be used to change the code search direction.
 - After the "Automatic Code Search" tries all device codes for the selected device it will exit the "Automatic Code Search" function.
4. If, while in Automatic Code Search mode and you are pointing the remote towards the device you wish to control, the device powers off, immediately press any button except "SET" to exit the "Automatic Code Search" mode, and then test the remote control.

RESULTS

- If the remote controls the device as expected you have completed programming by "Automatic Code Search" for the selected device.
 - If the remote does not control the device as expected return to step 4 or follow the: "Program by Manufacturer", "Program by Manual Code Search", or "LEARN Function" instructions.
5. Exit setup mode at any time by pressing any key except "SET".
 6. Store the manual in a safe place in the event the STV5 needs to be reprogrammed in the future.

Program by Manual Code Search. Please read all directions in this section before you begin.

1. Power on the device you wish to program the remote to control – If you are programming the remote to control a VCR insert a tape.
2. While pressing the "SET" button, press the button on the remote for the device you wish to program (TV, VCR/DVD etc.).

RESULTS

- The LED will light and remain lit.
3. Release both the "SET" and the device buttons.
 4. Press the "PWR" button while holding the remote pointed towards the device you wish to control. While in "Program by Manual Code Search" mode any keys except "PWR" and "SET" can be used to test the remote functionality.

RESULTS

- The LED will start flashing to indicate the remote is in "Manual Code Search" mode.
5. Keep pressing the "PWR" button approximately every 1 second 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 "PWR" button to turn the device back on.
 7. Test the remote control.

RESULTS

- If the remote controls the device as expected you have finished programming the STV5 by "Manual Code Search."
 - If the remote does not control the device as expected return to step 1 and try the next device code that causes the device to power off or use the "Program by Manufacturer Code" "Program by Automatic Search," or "LEARN Function" instructions.
8. To exit the setup mode at any time press the device key.
 9. Store the manual in a safe place in the event the STV5 needs to be reprogrammed in the future.

Additional Functions

Display Code Function.

The "Display Code Function" allow you to determine the code that the remote is currently configured to use:

1. Press and hold the "SET" button, and then press the number (1) button.
2. Release both keys.
RESULTS
3. The LED blinks the number of times (0-9) to indicate the first digit of the current code.
4. Press and hold the "SET" button, and then press the number (2) button.
5. Release both keys.
RESULTS
 - The LED blinks the number of times (0-9) to indicate the second digit of the current code.
6. Press and hold the "SET" button, and then press the number (3) button.
7. Release both keys.
RESULTS
 - The LED blinks the number of times (0-9) to indicate the third digit of the current code.

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.

Volume Lock/Unlock Function

The "Volume Lock/Unlock Function" allows you to use one device to control the volume for other devices. For example you may wish to use your amplifier as your main volume control for all devices.

1. Press the device button for the device you wish to lock as the "VOL" and "MUTE" keys for all other devices.
2. Press and hold the "SET" button, and then press the number (5) button.
3. Release both keys.
RESULTS
 - The LED blinks (2) times.
 - The "VOL" and "MUTE" keys are locked for all devices to be controlled by the current device selected.

Process to unlock:

1. Press the device button for the device you wish to unlock from controlling the "VOL" and "MUTE" for all other devices.
2. Press and hold the "SET" button, and then press the number (6) button.
3. Release both keys.
RESULTS
 - The LED blinks (2) times.
 - The "VOL" and "MUTE" keys are now unlocked and will not control the other devices.

Device Lock/Unlock Function

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

Process to lock:

1. Press the device button for the device you wish to lock.
2. Press and hold the "SET" button, and then press the number (7) button.
3. Release both keys.
RESULTS
 - The LED blinks (2) times.
 - The device is now locked and cannot be reprogrammed without unlocking it first.

Process to unlock:

1. Press the device button for the device you wish to unlock.
2. Press and hold the "SET" button, and then press the number (8) button.
3. Release both keys.
RESULTS
 - The LED blinks (2) times, and the device is now unlocked and can be reprogrammed.

Device Duplication Function

The "Device Duplication Function" allows you to configure one device to act as another device. For example you can change the AUX device to act as a second TV.

1. Use the "Display Code Function" to display and take note of the device code you wish to duplicate.

2. Press and hold the "SET" button, and then press the button of the device you wish to change into a different device.
3. Release both keys and then press the button of the device you wish to add.
RESULTS
 - The LED starts flashing.
4. Enter the 3 digit device code.
RESULTS
 - The LED extinguishes.
 - The device has now been duplicated.

Note: A duplicated device cannot be programmed by the "Code Search" functions or be used with Volume Lock Function.

LEARN Function

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

1. Press and hold the "LEARN" button, and then press the button for the device you wish to learn. If no keys are pressed within 10 seconds for any of these steps the remote will exit "Learn" mode.
RESULTS
 - The LED starts flashing one time per second to indicate it is in learning mode.
2. 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".
3. Place the new remote and the old remote approximately 5cm apart with the ends that are normally pointed towards the devices in normal operation facing each other.
4. 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.
5. To "learn" more buttons return to step 3. Up to 14 buttons can be "learned".
6. To exit "learn" mode press the "LEARN" key again.

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.

To delete all "learned" buttons for a specific device:

1. Press the device button for which you wish to delete the "learned" buttons.
2. Press and hold the "SET" button and "4" button for 3 seconds.
RESULTS
 - The LED flashes (3) times.
 - All "learned" buttons are deleted from memory for the device selected.

Note: The device buttons and "SET" buttons cannot be "learned".

Reset Function

The "Reset Function" allows you to erase all configurations and return to the default configuration.

1. Press and hold the "SET" button, and then press and hold the "0" button for more than 3 seconds.
2. Release both buttons.
RESULTS
 - The LED blinks 2 times and extinguishes.
 - The remote has been reset.

Washing or Cleaning your STV5 Remote

You can easily clean the STV5 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.

Low Battery Indicator

When your battery begins to weaken, each time you press any button on the remote, the LED will blink 3 times indicating a low battery. You should replace the battery as soon as you see the Low Battery Indicator flashing.

TV Brand Code List

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-Technica	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, 253,282,290,304,309,310,313,315325
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	002,003,006,010,011,013,014,020,030,032,035,041,052,062,133,151,155,183,184,190,191,275,309
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
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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.