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Introduction

Thank you for purchasing the BW-LCD universal remote control. It features the largest infrared code library for European and Australian markets. Based on our (patent pending) creative design, it has the easiest and fastest way to “set up directly” by the brand name and code no. in it’s LCD screen.

The BW-LCD universal remote control works with most brands of Televisions (TV), DVD-players (DVD), **DVR**-players (**DVD**), **DVB** (CBL/SAT), (digital) Satellite receivers (CBL/SAT), Cable box (CBL/SAT), Video Recorders (VCR), Tuner receivers (TUNER), Tape receivers (TAPE), CD-players (CD), Audio amplifiers (AMP) and other Audio (AUX).The universal remote control operates all main functions of your BW-LCD device.

You can use “Auto Search” to scan the code library if your device is not listed.

BW-LCD can “learn” a new code from an original remote control.

”FAV channel setup”: can store a list of up to 15 favorite channels, in any order, they are immediately scanned when you press FAV.

”Sleep timer” function: can turn off the device automatically on a preset time which you can program 0-99 minutes.

“TIMER” function: can turn on or off the device automatically on a preset time which you can program any time in 24 hours.

“Keyboard lock” to lock all keys, then no operation can be done.

“All off” function can switch off all your devices with one button.

“Macro” function makes several sequent operations with one button for your home theater

“Volume lock” can fix VOL+/VOL- button to control Amplifier only for your home theater.

“Device lock” can fix the device set up until you unlock it.

BW-LCD has a backlight for LCD screen and separate device

backlight to show you the currently working device, it also has backlight for VOL+/VOL-, CH+/CH-, and 0-9.

All the set up data will be stored in “back up memory” permanently; you don’t need to be worry about data loss when you replace battery.

The BW-LCD also has a “real time clock” to show current time.

All above mentioned functions confirm the BW-LCD is an advanced, very powerful LCD universal remote control. Please read this user manual carefully prior to using your new LCD remote control.

List:

Bank	for Device	Initial code	Total of codes
TV	TV	042	488
VCR	VCR	115	182
CBL/SAT	Satellite,Cable,DVB	045	403
DVD	DVD,DVR	006	192
CD	CD	098	124
TUNER	TUNER	075	114
TAPE	TAPE	083	134
AUX	AMP, LD	030	204

Total of codes: 1841

Battery Installation

This remote control needs 2 x AAA batteries to work.

Refer to the direction mark inside the battery apartment and put 2 new AAA batteries in the battery compartment. Alkaline batteries are recommended.

To install the batteries:

1. Turn the remote over, and lift the battery cover off.
2. Insert the batteries matching the batteries to the (+) and (-) marks inside the battery case.
3. Slide the battery cover back into place.

All data you have programmed into the unit will be stored in the memory even if you take out the batteries, but you will need to set the clock again.

CAUTION:

- Keep battery away from small children.
- Do not mix old and new batteries.
- Do not mix alkaline, standard (carbon-zinc), or rechargeable (nickel-cadmium) batteries.
- Do not dispose of the batteries in fire; batteries may explode or leak.
- Remove batteries if not used for a prolonged period of time.
- Dispose of batteries responsibly.

Realize the Keys

SET— For you to start to set up the remote control or show you the status in LCD screen.

TV, VCR, CBL/SAT, CD, DVD, TUNER, TAPE, AUX—Let you select the device you want to control.



—Turns the device on and off.

0-9—The number keys operate the same as on your original remote control, and are used for entering device codes when set up.



— Works like the “**enter**” on your original remote.

AV — Works like the TV/Video key on your original TV remote, and TV/SAT key on your original satellite remote A.B in cable and CD modes.

MENU —Works like the Menu or OSD (on-screen display) or Memory key on your original remote control.

CH± —Works like the Channel Up and Down keys on your original remote control.

VOL± —Control the volume like the Volume Up and Down on your original remote control.



Key to mute the sound



REW (fast reverse)



PLAY (operate your DVD, CD etc)



FFWD (fast forward)



REC (Record)



STOP (terminate your operation)



PAUSE

▲ ▼ ◀ ▶, OK, EXIT----- Works like the **UP, DOWN, LEFT, RIGHT, OK, EXIT** Keys on your original remote control for menu function. Bbut during set up mode they are used for cursor, confirm and exit to program your remote control only.





RED, GREEN, YELLOW and BLUE----- for TV Fast Text.

All off -----Switches off all your device only with one button.

Macro----- Let you make sequent operation for you home theater.

FAV-----Favorite channel

LEARN----Learning key

-  Television video
-  TV and text mixed
-  Teletext mode
-  Page hold

DIRECT SETUP (Code Input)

Make sure you have turned on your equipment, like TV or DVD, and locate the corresponding 3 digit code of your devices in the Code List section from the later part of this instruction manual.

1. Press and Hold the “SET” key for 3 seconds to enter the remote set up menu
2. Watch the LCD display and see “CODE SETUP”, press “OK”
3. Press v/^ key until you see “DEV SETUP”, then press “OK”
4. Select a desired Device Mode (e.g. “TV”, if you want to set up your URC to operate your TV), then press “OK”
5. Use the number keys “0” – “9” to enter the 3-digit device code of your brand
6. Press “OK” on the URC to lock the code. The LCD display will show “SUCCESS” when the URC has locked the code

(Try the function keys on the URC. If your device (e.g. TV) responds to your invoked function correctly, you have input a right Device Code. Otherwise, repeat the above set up instructions with the rest available Device Codes in the code list until your device (e.g. TV) responds to your invoked function, and most keys work correctly)

** Simply repeat the above procedures to find the codes for your VCR, SAT, CTV, STB, DVD or AUX. (Remember to press a correct Device Mode Key in Step 4 above.)

Remarks:

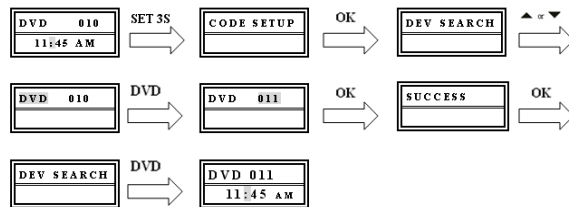
If the entered code is not correct, the LCD indicator will show “NOT FOUND”. You have to enter the correct 3-digit code again

SET UP BY AUTO SEARCH

Make sure you have turned on your equipment, like TV or DVD

1. Press and Hold the “SET” key for 3 seconds to enter the remote set up menu
2. Watch the LCD display and see “CODE SETUP”, press “OK”
3. You will see “DEV SEARCH”, then press “OK”
4. Select a desired Device Mode (e.g. TV, if you want to set up your URC to operate your TV)
5. Then, press “OK” and now point your URC at your device (e.g. TV)
6. Your URC will send out the POWER code one by one automatically (the corresponding device mode key will flash), wait patiently until your device (e.g. TV) is turned off
7. Press “OK” on the URC to lock the code. The LCD display will show “SUCCESS” when the URC has locked the code

(Turn on your device (e.g. TV) again, try the function keys on the URC. If your device (e.g. TV) responds to your invoked function correctly, your URC has located a right Device Code. Otherwise, repeat the above set up instructions with the rest available Device Codes until your device (e.g. TV) responds to your invoked function, and most keys work correctly)



** Simply repeat the above procedures to search the Device Codes for your VCR, SAT, CTV, STB, DVD or AMP. (Remember to press a correct Device Mode Key in Step 3 above.)

IMPORTANT:

-The URC will stop the code search when it searched all its installed codes

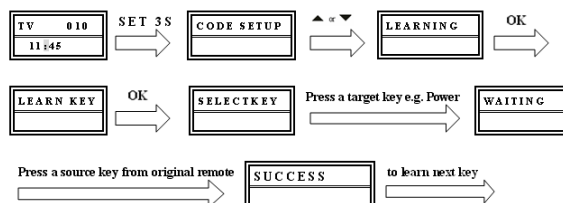
-Press “EXIT” to return the URC back to normal stage

-If no installed codes match your devices, see HOW TO SET UP THE URC – By Learning section

By Learning (Command Capture from Original Remote)

If the above 2 set up method cannot help, you can try to set up the URC by Learning. Your URC can learn and reproduce up to 80 commands from other remote controls. All function keys of the 8 Device Modes (TV, DVD, VCR, CD etc) can be taught to operate additional commands, except “FAV”, “MACRO” and “ALL OFF”.

1. Get your A/V original remote ready (e.g. TV remote)
2. Press a desired Device Mode of your URC (e.g. “TV”, if you want to set up your URC to operate your TV)
3. Press and Hold the “LEARN” key for 3 seconds until the LCD shows “LEARN KEY”
4. Press “OK”, and you will see “SELECT KEY”
5. Aim your A/V original remote control to the URC Infra red lens on a flat surface, with 5-8 cm apart. Make sure your A/V remote control is with fresh batteries
6. Press and release a desired key on your URC you want to hold the command
7. Press and hold the corresponding key on your A/V remote to transfer the command. The LCD of your URC will show “SUCCESS” when the command has been learnt successfully, you can release the key on the A/V remote control. If the LCD of your URC shows “FAILED”, it tells error in the learning process. Adjust the position of both remote controls and repeat step 7 again
8. Repeat steps 5 to 7 to transfer other commands into next function key. When you finish the whole device mode, press the same device mode key (e.g. TV) again to store your setting.

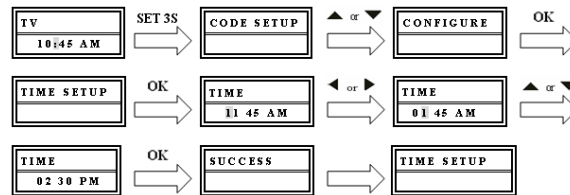


Other Set Up

A. Set up Clock

You can set up the clock on your BW-LCD universal remote control and the clock will be displayed on the screen.

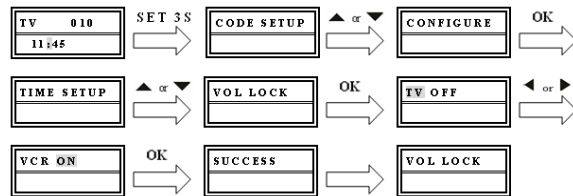
1. Press and hold the **SET** key for more than 3 seconds, then release it.
2. Press the **▲** or **▼** key to select the “CONFIGURE” menu, and then press the OK key.
3. Press the **▲** or **▼** key to select the “TIME SETUP” menu, and then press the OK key.
4. Press the **◀** or **▶** key to move the cursor to select hour or minute or AM/PM, then press the number key to set hour and minute, and press the **▲** or **▼** key to select AM or PM.
5. Press the **OK** key to save the setting and LCD display SUCCESS for 1 second then exit to current setup state, if you enter errors the LCD screen shows ERROR for 1 second. You can press any device key to finish set up or press EXIT key return to the last state.



B. Volume Lock

This function makes you very convenient when you only use one device to adjust volume. For example, you may use your amplifier as your main volume control, then you can use this function to fix the volume and mute key of AUX, no matter which device you will use (even you will use TV, DVD, and VCR etc), the volume and mute key on remote control still control the volume and mute of your amplifier.

1. Press and hold the SET key for more than 3 seconds, and then release it.
2. Press the ▲ or ▼ key to select the “CONFIGURE” menu, and then press the OK key.
3. Press the ▲ or ▼ key to select the “VOL LOCK” menu, and then press the OK key.
4. Press the device key to select the device you want to fix, such as AUX.
5. Press the ◀ or ▶ key to change to the “ON” or “OFF” mode. (*ON is locked the device, OFF is unlock the device*) mode.
6. Press the OK key to save the setting and LCD display SUCCESS then to current setup state, You can press any device key to finish set up or press the EXIT key to last state, or you can use ▲ or ▼ to select other set up.



Remark:

You can only lock one device for volume and mute of your new remote control. The locked device will be unlocked when you lock on the other device automatically.

C. Device Lock

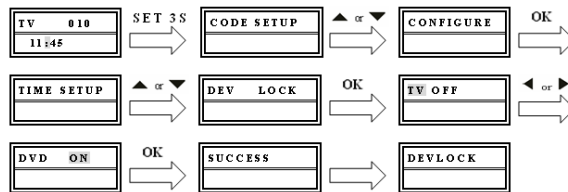
You can use Device lock function to fix current device code and this device code cannot be changed by brand and code set up or auto search. You can set it to the “OFF” to quit from this function.

1. Press and hold the “SET” key for more than 3 seconds, and then release it.
2. Press the ▲ or ▼ key to select the “CONFIGURE”, then press the OK key.
3. Press the ▲ or ▼ key to select the “DEV LOCK”, and then press the OK key.
4. Press the device key to select the device that you want to fix, such as TV (or DVD, or SAT....)

Press the ◀ or ▶ key to change to the “ON” or “OFF” mode.

(ON is to lock the device, OFF is unlock the device)

5. Press the OK key to save the setting and LCD display SUCCESS then exit to current setup state. You can press any device key to finish set up or press the EXIT key to last state or you can use ▲ or ▼ to select other set up.



Remark:

You can fix all device codes and these device codes can be changed by neither Auto Search nor Brand Code Set up.

D. Background Light

If the background light is on, the background light will be lighted up when you press any key.

1. Press and hold the “SET” key for more than 3 seconds, and then release it.
2. Press the ▲ or ▼ key to select the “CONFIGURE” menu, and then press the OK key.
3. Press the ▲ or ▼ key to select the “LIGHT” menu, and then press the OK key.

4. Press the ◀ or ▶ key to change to the “ON” or “OFF” mode.
5. Press the OK key to save setting and LCD shows SUCCESS then exit to current setup state, You can press any device key to finish set up or press the EXIT key to last state, or you can use ▲ or ▼ to select other set up.

E. Contrast Adjust

If you are not satisfied the screen contrast of your remote control, you can use below steps to change it.

1. Press and hold the “SET” key for more than 3 seconds, and then release it.
2. Press the ▲ or ▼ key to select the “CONFIGURE”, then press the OK key.
3. Press the ▲ or ▼ key to select the “CONTRAST”, then press the OK key.
4. Press the ◀ or ▶ key to adjust contrast level, and then press the OK key when you satisfied.
5. Press the OK key to save the setting and the LCD shows SUCCESS then exit to current setup state, You can press any device key to finish set up or press the EXIT key to last state, or you can use ▲ or ▼ to select other set up.

F. ALL OFF

You can turn off all devices by one button only and sometimes it's convenient for you.

Press and hold the ALL OFF key about 1 second and then release them. The remote control will send out all current power signal to turn on (or turn off) for every device one by one. Meanwhile the device key flashes to tell you which power signal is been sending.

Remark:

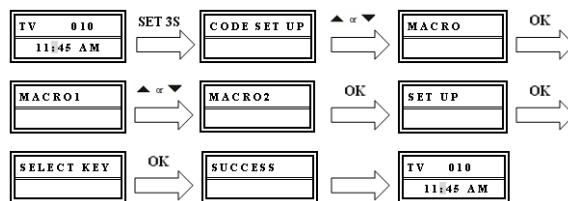
The remote control must be pointed to device that you like to control until the operation finished.

G. Macro Function

Macro function let you make sequent operation for you home theater. Press and hold the MACRO key and 1 key (or 2, 3 key), and then release them. The device LED will flash and the remote control will send out a sequent IR commands that you programmed before.

You can set up a Macro by following below steps:

1. Press and hold the “SET” key for more than 3 seconds, and then release it.
2. Press the ▲ or ▼ key to select “MACRO”, and then press the OK key.
3. Press the▲or▼ key to select the “MACRO1” (or Macro2 or Macro3), then press the OK key.
4. The screen shows “SETUP”, and then press the OK key.
5. You can select the device and function key for a sequent operation that you like. (e.g.: TV+POWER+MUTE+AV, DVD+PLAY, VCR+RECORD, etc. That means you want turn on the TV and shut off its sound, switch TV input to AV port, at the same time DVD start to play disc, VCR begins to record)
6. Press the OK key to save the setting, LCD shows SUCCESS then exit to current setup state,
7. You can press any device key to finish set up or press the EXIT key to last state and use ▲ or ▼ to select other set up.



Remark:

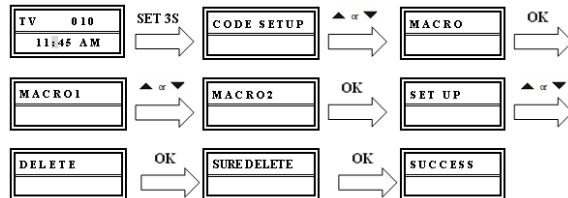
1. You can set up to maximum 10 commands in a MACRO.
2. Be sure all the keys can send out signals, otherwise even if you programmed these keys inside the MACRO, it still can not work properly when you operate MACRO function. You can check those keys by pressing them to see the relative Device buttons flash or not before you set up MACRO.
3. Be sure the device must have relative conditions when you

operate MACRO function. For example the disc must be put in the DVD player and a video tape must be put in the VCR when you like to play the DVD or make a record by your VCR.

4. Press and hold the MACRO key then press 1(or2, 3) key, and then release press it. When the device's LED is flash, it transmits the sequence command which you set up.

H. Delete Macro

1. Press and hold the "SET" key for more than 3 seconds, and then release it.
2. Press the ▲ or ▼ key to select the "MACRO", and then press the OK key.
3. Press the ▲ or ▼ key to select the "MACRO2", then press the OK key. LCD shows "SET UP"
4. Press the ▲ or ▼ key to select the "DELETE", and then press the OK key.
5. LCD shows "SURE DELETE ", Press the OK key to confirm the delete and LCD display SUCCESS then back to last state,
6. You can press any device key to finish the delete operation or press the EXIT key to last state and use ▲ or ▼ to select other set up.



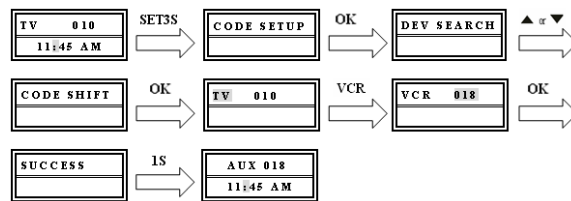
I. Device Alternation

If you want operate second VCR (or second TV, SAT/CBL, CD, DVD, TAPE, TUNER etc.), you can set up its code to A UX device key for a device alteration (CODE SHIFT). Just follow the steps below:

1. Press and hold the SET key on your new remote control for more than 3 seconds. Then release it. Press the ▲ or ▼ keys to select to "CODE SETUP", and press the OK key.

- The screen shows the “DEV SEARCH” in the LCD menu, Press the ▲ or ▼ keys to select to “CODE SHIFT” , and press the OK key, then you press device key to select your desired operation device and then enter the code number
- Please press the OK key to save it and exit, LCD shows “SUCCESS”.
- Now you can operate second VCR device by AUX device key.

Remark: Please note all devices only can be shifted and preserved in “AUX” device key. For example, if you want operate second TV, you only can shift it in “AUX” key, if you shift it in “VCR” (or SAT/CBL, CD, DVD, TAPE, TUNER etc.), it is invalid



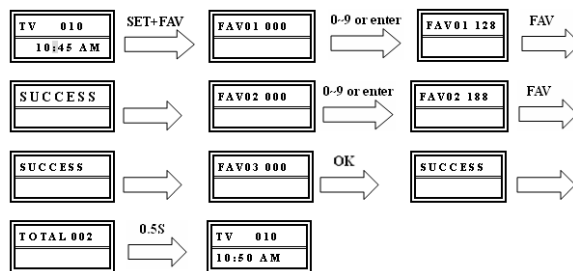
J、Favorite channel setup

- Select the device you want to program for Favorite Channel setup (For example, TV)
- Press and hold SET key, then press FAV key .When LCD displays “FAV01 000”, release all keys, and the last digit “0”is flickering
- Enter channel number (for example, 128), The LCD also displays the channel number

Note: when your device requires ENTER to select channel, please press ENTER, meanwhile, the LCD displays it.
- After setup the first favorite channel, press FAV to confirm .After the LCD indicates “SUCCESS”, the LCD displays “FAV02 000”, then you can set up the second Favorite Channel.
- Repeat step 3 to set up all favorite channels .In all, you can set up 15 favorite channels.
- After setup all favorite channels, press “OK” to save. When the LCD displays “TOTAL ***”, then return to previous menu in 0.5 second.

Remark:

1. *** means the quantity of favorite channels you setup.
2. During the period of setup, you can press “EXIT” to previous menu, but can not save the setup result.
3. Max has 15 favorite channels. When you set up 16th favorite channel, press FAV key to confirm the LCD indicates “OVER” and automatically exit, meanwhile save the original 15th favorite channel.
4. When enter channel number, if you don’t press any digit and ENTER key, press FAV key directly, the LCD will display “CUR FAIL” and exit to the state of enter channel number; if press OK key directly ,the LCD will display “NO KEY” and exit favorite channel setup.
5. Whenever you want to add or replace one or more favorite channels, all previously entered favorite channels are cleared.



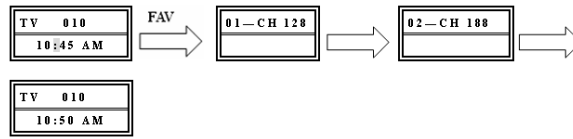
Favorite channel scan

1. Select the device you has already programmed with Favorite Channel (for example :TV)
2. Press and hold FAV key for 1.5 seconds. Once the LCD displays “01--CH ”,release the key,2 seconds later, the LCD will scroll the favorite channels ,

For example: if you already setup channel 128 as favorite channel, then the LCD will display “**--CH 128”.Press any key to exit in midway

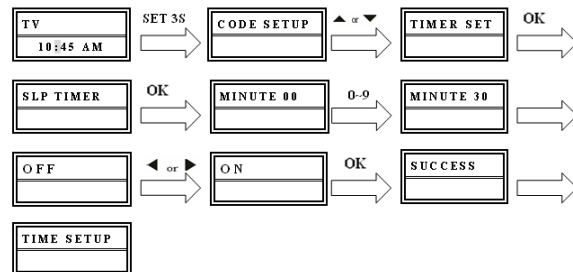
Remark:

1. ** means the sequence of current favorite channel
2. After scan all favorite channels, will exit scanning automatically



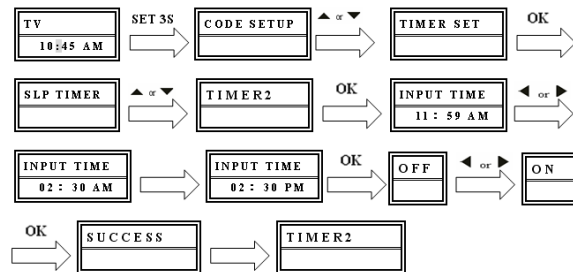
K、 SLEEP TIMER

1. Select the device you want to program for sleep timer ((For example, TV)
2. Press and hold SET key for 3 seconds to enter main menu, press ▲ or ▼ key to select TIMER SET function, press OK key to enter and select “SLP TIMER” menu, press OK to enter sleep timer setup.
3. Now, the LCD displays “MINUTE 00”, and when the last digit “0” is flickering, input the sleep time you need .The time can be 0-99 minutes.
- 4.After enter the time ,press OK key and the LCD displays “SUCCESS”, then the LCD displays “OFF”, then you can press ◀ or ▶ keys to select sleep timer’s off and on .(Off means sleep timer is off, ON means sleep timer is on)
5. After select OFF or on, press OK key, the LCD displays “SUCCESS”, then exit to SLP TIMER menu.
6. After sleep timer setup, and it is “on”, when the sleep timer of remote is time out, will transmit “POWER” code of current device. It can switch to the device with sleep timer function automatically. (For example :remote current time is 12: 23 PM, sleep timer is 23 minutes, then when it is 12: 46 PM, the remote will shutdown the device.)



L、TIMER 1/2/3 SETUP

1. Select device key (For example: TV)
2. Press and hold SET key for 3 seconds to enter main menu
3. Press ▲ or ▼ key to select TIMER SET function, press OK to enter
4. Press ▲ or ▼ key to select time mode: TIMER1, TIMER2 or TIMER3, then press OK to enter time setup
5. The LCD displays “INPUT TIME 11: 59 AM”, now the first digit “1” is flickering ,and wait for enter the time
6. Press digital keys to set up time, and press the ▲ or ▼ key to select AM or PM., then press OK key ,the LCD displays “SUCCESS”, then the LCD displays “OFF”, you can press LEFT and RIGHT key to select timer’s off and on .(Off means timer is off, ON means sleep timer is on).
- 7 Press OK key, the LCD displays “SUCCESS”, return to TIMER 1 menu.
8. After timer setup, and it is on ,when the remote is on preset time, will turn on or shutdown current device.(For example :remote current time is 12: 23 PM, timer setup as 12: 46 PM, then when it is 12: 46 PM, the remote will turn on or shutdown the device.)



M、Keyboard Lock

1. Press and hold SET ,then press digit ”8” key, the LCD displays “LOCK KEY”, now the keyboard is locked.
2. Press and hold SET key again, then press digit “8” keys for one second, the LCD displays “UNLOCK KEY”, and release all keys, the keyboard is unlocked.
3. After locked, press any key, the LCD will display “KEY LOCKED”, and can not process any setup. Before setup, the keys should be kept unlock.

Clear All

Erase all the setting up data, and go back to the factory default settings.

1. Press and hold the SET key for more than 3 seconds, and then release it.
2. Press the ▲ or ▼ key to select the “CONFIGURE”, and then press the OK key.
3. Press the ▲ or ▼ key to select the “CLEAR ALL” , and then press the OK key and LCD shows SURE CLEAR.
4. Then press the OK key to clear all settings and go back to original default settings.

NEED HELP?

If you have questions about your remote control, just call our phone help line:

1300 766 488

or visit our web support page:

www.antennawarehouse.com.au/remotemaster

Before you call, please read the manual carefully. However, please make a note of your device in the table below and tell it to our operators when you call.

MODEL NO: BW-LCD

Date of purchase: ___/ ___/ ___/

Day month year

Device	Brand	Model number	Model number of original remote	Code
TV				
VCR				
CBL/SAT				
DVD				
CD				
TUNER				
TAPE				
AUX				

Device Brand Code List

TV

Brand	TV
Accent	023, 376,393
Acme	004,010,313
Acura	010,309
Action	376
ADA	015
ADC	002,006
Admiral	001,002,003,020,050,054,109,187,196,197, 234,308,376,408,426,454,465
Adyson	004,186,210,213,296
Agashi	185,187,212,214,296,377,381
Agazi	003,308
Agb	124
Agef	234
Aiko	004,005,010,023,296,309,376,382,392
Aim	023,381,391,400,416
Aiwa	088,213,318,339
Akai	007,009,010,011,012,023,052,062,069,070, 071,134,142,170,185,221,296,309,314,317, 340,376,377,378,381,382,391,392,400,401, 405,407,414,433,434,449,453,471
AKI	185, 382
Akiba	012,023,101,212
Akito	023,026
Akura	003,012,016,023,072,101,185,191,212,308, 376,393
Alba	309,317,326, 378
Albe	004,010,012,023,028,029,054,063,069,087, 163,170,184,185,187,195,198,215,217,296
Albiral	038,185,207,377,378,381,393,415,416,417, 418,468,469,470
Alcyon	209
Alkos	165
Alhori	382
Allorgan	021,027,195,212,219,382
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Satec	014,045
Sateco	372
Satellite	390

Satford	043
Satmaster	043
Satpartner	004,009,011,044,068,083,247
Schäcke	247
Schneider	049,248,250,252,254,309,313,317,318,319,320
Schwaiger	013,014,052,054,089,095,137,144,146,147,152,155,157,168,246,306,312,316,317,319
Scientific Atlanta Sts	255,256,268
Seemann	003,021,033,039
SEG	004,008,029,034,044,095,119,309,312
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Siemens	040,241
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Skardin	033
Sky	154,182,190,191,220,221,278,282,283,323
Sky Digital	154
Skymaster	010,095,148,156,158,159,160,161,162,293,294,295,297,298,299,300,301,302,303,304,305,312,315,318,319
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Sony	020,154
SR	021,065,093
Starion	034
Starland	156,318
Starring	044
Star Trak	004
Stella	047
Strong	004,009,029,048,051,081,133,222,228,247,289,309,400
Sumida	021
Sun/Moon/Star	184
Sunny	355,376,379,380,381,382
Sunstar	021,093,107
Tandberg	062,337
Tandy	009
Tantec	005,045,064,069,071,336
Tatung	053,105
TCM	029,085,095,137,153,156,157,306,307,308,309,310,311,312,313,314,315,316,317,318,319,320,321
Techniland	043
Technisat	039,071,103,108,109,126,242,336,372
Teco	021,093
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Tele+1	222,228,267
Teleciel	247
Telecom	047,372
Telefunken	004,045,131,136,137,138,145,250,316
Teleka	009,021,027,039,088,247,251
Telemaster	011
Telemax	091
Telesat	095,312
Telestar	071,336
Televes	005,185,187,188,338,340
Telewire	055
Telkom	350,383
Tempo	375,384,385,386,387
Termal	350,375,388,389,390,391,392
Tevion	029,085,095,137,153,156,157,218,219,306,307,308,309,310,311,312,313,314,315,316,317,318,319,320,321
Thomson	005,065,084,131,139,145,173,245,249,250,337
Thorens	054

Thorn	005,012,014,045,064,066
Tioko	052
Tochibo	368
Tofild	350
Tokai	242,388
Tonna	005,043,055,249
Topfield	331,332,333
Toshiba	239
TPS	141,175
Triad	015,036,038,068,113
Triasat	072
Triax	040,071,136,242,336
Tristar	051
Tudi	259
Twiner	338,340
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Uniden	114,287
Unisat	021,050,242
Unitor	025,044,243
Universum	040,067,075,079,235,241,335
Variosat	241
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Ventana	125,242
Vestel	350,383,393,394
Via Digital	135,139,231,232
Visiopass	335
Visiosat	044,055,156,163,164,165,166,167,318
Viva	244
Vivanco	334,341
Vortec	004,027,078
VTech	253
V-Tech	036,038,104,115
Way	291
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Wewa	005
Winer	290
Winersat	044
Wisi	005,036,038,039,040,113,116,117,118,241, 246
Wittenberg	017
Wolsey	082
Woorisat	011
Xsat	176,249
Yenicag	395,396,397,398
Yonsat	380
Yumatu	355,389,399,400,401,402,403
Zehnder	011,029,038,087,089,119,243,253,309,325, 399
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Adcom	006
Aiwa	007,008,009,098
Akai	010,011,012,013
Alba	014
Arcam	083
Asuka	015
Audiosonic	015
Bestar	016

BSR	017
Bush	018
California audio lab	019
Carrera	020
Classic	119
Condor	017
Crown	021
Cybercom	103,104,105,106,107,108,109,110,111,112,113,114,115,116,117,118,119,120
Cybermaxx	103,104,105,106,107,108,109,110,111,112,113,114,115,116,117,118,119,120
Cytron	103,104,105,106,107,108,109,110,111,112,113,114,115,116,117,118,119,120
Denon	022,023
Dual	015,024,103,104,105,107,108,109,110,111,112,113,114,115,116,117,118
Elta	105,108,113
Emerson	006,016,025
Fisher	026,027
Genexxa	016,025,028,029,030,031,032,033,034,107
Goldstar	020
Goodmans	025,035,036
Grundig	037,083
Harmon Kardon	010,038,039,040
Hitachi	006,024,041,042,043
Innovation	081,089,090,091,092,093,094,109,110,111,112,113,114,115
Intersound	015
JVC	044
Kenwood	026,029,045,046,047,100
Kodak	005
LG	020
Lifetec	081,089,090,091,092,093,094,103,104,105,106,107,108,109,110,111,112,113,114,115,116,117,118,119,120
Linn	083
Luxman	048,049
Magnum	081,089,090,091,092,093,094,109,110,111,112,113,114,115
Marantz	051,052,083
Matsui	051,053,083
Mcintosh	054,055
Medion	081,089,090,091,092,093,094,103,104,105,106,107,108,109,110,111,112,113,114,115,116,117,118,119,120
M-Electronic	050
Memorex	006,016,025,031,034
Meridian	083
Micromaxx	081,089,090,091,092,093,094,103,104,105,106,107,108,109,110,111,112,113,114,115,116,117,118,119,120
Micromega	083
Microstar	081,089,090,091,092,093,094,103,104,105,106,107,108,109,110,111,112,113,114,115,116,117,118,119,120
Mission	083
NAD	028,049,084,085,086,087
Naim	083
Nakamichi	056,057
Onkyo	002,058,059,060,061
Panasonic	018,019,062
Philips	003,063,064,082,083
Philips Cd-I	064
Philips Cd-V	002
Pioneer	030,034,099
PRO2	103,104,105,106,107,108,109,110,111,112,113,114,115,116,117,118,119,120

Proton	083
Quad	083
Realistic	006,016,031,032,107
Roadstar	050,063,065
Rotel	083
Saba	024
SAE	083
Samsung	102
Sansui	003,025,066,067,068,083
Schneider	001,017,083
Scott	016,025
Sharp	029,069,070,071
Sherwood	124
Siemens	072
Signature	010
Singer	118
Skymaster	121
Sony	028,073,074,075,088,095,096,097
Sunwood	015
Tandberg	083
TCM	081,089,090,091,092,093,094,103,104,105,106,107,108,109,110,111,112,113,114,115,116,117,118,119,120
Teac	122
Technics	019,062,077,101
Telefunken	024
Tevion	081,089,090,091,092,093,094,103,104,105,106,107,108,109,110,111,112,113,114,115,116,117,118,119,120
TheorieSanwendung	123
Thomson	004,024
Toshiba	049,078,079
Universum	083
Vector Research	020
Victor	044
Welltech	107,108,112
Yamaha	069,076,080
Yorx	065

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Brand	DVD	DV R
Accoustic solutions	128	
Aiwa	129	
Akai	010,034,064	
Alba	130,131,132	
Ames	128	
Amstrad	130	
AMW	091	
Apex	132,133,134,135	
Arena	120	120
A-trend	136	
BBK	075,076,077,078,079,080,081,082,083,084,085,170,191,192	
Brandt	118	
Broksonic	137	
Bush	097,130,131,132,147	
Black diamond	130	
Centrum	138,139,140,141	
Cinevision	142	
Classic	128	
CMI	120	120
Crown	118	

Cybercom	102,103,104,105,106,107,108,109,110,111,112,113,114,115,116,117,118,119,120,121,122,123,124	120
CyberHome	042,068,136	
Cybermaxx	102,103,104,105,106,107,108,109,110,111,112,113,114,115,116,117,118,119,120,121,122,123,124	120
Cytron	102,103,104,105,106,107,108,109,110,111,112,113,114,115,116,117,118,119,120,121,122,123,124	120
Daewoo	070,091,171(DVD),172(DVD),173(DVD)	
Daytron	143	
Denon	005,036,058	
Denver	131	
DIK	114	
Dmtech	144	
Dual	102,103,104,105,107,108,109,110,111,112,113,114,115,116,117,118,119,120,128,130,167	120
DVD 1024	145	
ECCG	095	
Elta	146,147,168	
Emerson	142	
Ferguson	118	
Finlux	142	
Fisher	148	
GE	132	
Golden Sphere	108	
Goodmans	118,147	
Goldstar	142	
Go-Video	105	
Gradiente	118	
Grundig	011,158,169	
GVG	096	
Haaz	108,109	
Harman/Kardon	050,150	
H&B	110	
Himage	094	
Hitachi	009,025,030,043,063,127,163	127
HTY	086	
Initial	132	
Innovation	012,013,014,114,116,117,118	
JBL	150	
JVC	002,032,066	
Kawai	174(DVD)	
Kendo	114,120	120
Kenwood	005,028,058	
KLH	132	
Konka	175(DVD),176(DVD),177(DVD),178(DVD),	
Koss	118	
Labwave	023,048	
Lasonic	067,108	
Lecson	151	
Lenoxx	152	
LG	016,142,153	
Life	012,013,014,116,117,118	
Lifetec	012,013,014,102,103,104,105,106,107,108,109,110,111,112,113,114,115,116,117,118,119,120,121,122,123,124	120
Limit	108	
Linn	035	
Loewe	011,039,158	
Magnavox	056,089,125,126,157	
Magnum	181,182,185,186	

Marantz	003,038,142,157,158,159	
Matsui	118	
Maxim	091	
MBO	154	
Medion	012,013,014,041,102,103,104,105,106,107,108,109,110,111,112,113,114,115,116,117,118,119,120,121,122,123,124	120
Metz	009,024,163	
Mico	087,088	
Micromaxx	012,013,014,102,103,104,105,106,107,108,109,110,111,112,113,114,115,116,117,118,119,120,121,122,123,124	120
Microsoft	155	
Microstar	012,013,014,102,103,104,105,106,107,108,109,110,111,112,113,114,115,116,117,118,119,120,121,122,123,124	120
Mintek	132	
Mitsubishi	007,130	
Mustek	069,071,072,128	
NAD	027,142,162	
Nakamichi	156	
Noname	045	
Norcent	093	
Nortek	091	
Onkyo	015,029,065,149	
Optimus	059	
Orion	137	
Oritron	118	
Pacific	114	
Panasonic	005,006,017,022,036,051,054,055,058	
Panda	090	
Philco	053	
Philips	003,011,039,040,047,052,125,126,157,158,159	125,126
Philips magnavox	157,158,159	
Pioneer	009,024,026,059,062,163	
Prism	104	
PRO2	102,103,104,105,106,107,108,109,110,111,112,113,114,115,116,117,118,119,120,121,122,123,124	120
Proline	118	
Proscan	155	
Prosonic	160,161	
RCA	057,073,132,155	
Regal	179(DVD)	
Reoc	108	
REX	138	
RTL	120	120
Saba	118	
Salora	142	
Sampo	108	
Samsung	008,030,063,105	
Sanyo	092,148	
Schneider	014,113,114,118,130,144,161	
SEG	108,130	
Sharp	012,013,116,162	
Sherwood	044	
Shinco	132	
Shinonic	132	
Siltex	076	
Skymaster	098,099,100,101,128,147	
Sm electronic	128,147	
Sony	004,031,046,060	
Strong	091	
SVA	074	
Sunsui	137	

Supervision	147	
Sylvania	106	
TCM	012,013,014,102,103,104,105,106,107,108,109,110,111,112,113,114,115,116,117,118,119,120,121,122,123,124,180,184	120
Teac	108,132,163	
Technics	005,036,037,058,155	
Tevion	012,013,014,102,103,104,105,106,107,108,109,110,111,112,113,114,115,116,117,118,119,120,121,122,123,124,183,187,188,189,190	120
Techwood	162	
Theta digital	163	
Thomson	001,033,155	
Toshiba	003,049,137,157	
United	164,165	
Universum	130	
Vestel	179(DVD)	
Wharfedale	151	
Xenius	115,118	
Yamaha	005,036,058,061,125,126	125,126
Yamakawa	166	
Zenith	142	
Others	018,019,020,021	

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Aiwa	008,009,010,126,127
Akai	015,079,089,099,100,110
Amstrad	082
Aswo	017
Braun	036
Bush	003
Daewoo	073
Denon	002,006,007,045,058,132
Diora	065,066
Dual	016,101,102
Fischer	059,060,071,129
Goldstar	128
Goodmanns	001
Goodmans	033
Grundig	017,021,026,134
Harman Kardon	057,092
Hitachi	045,081
ITT	084,085
JVC	011,028,029,123,124
Kenwood	014,083,098,101,102,116,121,122
Linn	054
Luxman	042,043,050,097
Magnavox	134
Marantz	017,053,088,134
NAD	069,070
Nakamichi	093
Nokia	086
Okano	113,114
Onkyo	012,013,022,067,068
Palladium	109
Panasonic	048,094,095
Philips	017,026,087,134
Pioneer	019,020,078,104,106,107,108
Radmor	053
Revox	027
Revox/Studer	017

Samsung	049,051,052,062,063
Sansui	134
Sany	071
Sanyo	072,096,103
Schneider	017,032,033,034,035,038,039,040,044,084,085,112,128
Sharp	005,030,116
Sherwood	056,074,075,076,077
Siemens	015,017,046,047,111,112,115,117,118,119,120,128
Sony	031,091,105,130,131,133
T+A	037,125
T+A Elektroakustik	125
Technics	004,055,064,094
Thomson	018
Universum	034,041,052,061,112,115
Yamaha	023,024,025,080,090

TUNER

Brand	TUNER
Aiwa	006,007,048
Akai	026,077,089
Amstrad	081,093,097,098
Ash	053
Aswo	056
Bush	042
Centrum	104
Cybercom	105,106,107
Cybermaxx	105,106,107
Cytron	105,106,107
Daewoo	087
Denon	001,002,031,052,074,100
Diora	090
Dual	011,025,105,106
Elta	108,109
Fischer	063
Goldstar	004
Goodmanns	077
Goodmans	042
Grundig	056,058,110
Harman Kardon	084
Hitachi	031,082
ITT	030
JVC	044,073,076
Kenwood	025,066,068,071,075
Lifetec	105,106,107
Linn	101
Luxman	067,103
Marantz	056,110
Medion	105,106,107
Microstar	105,106,107
Micromaxx	105,106,107
Minowa	039
Mission	018
NAD	088
Nakamichi	049
Nokia	040
Noname	042
Okano	079,092
Onkvo	055,069
Palladium	080
Panasonic	001,061
Philips	056,110

Pioneer	010,013,014,065
PRO2	105,106,107
Radmor	057
Revox	016
Revox/Studer	056
Rotel	008
Sansui	110
Samsung	009,041,078,094,102
Sanyo	022,062
Schneider	004,018,020,021,023,024,028,029,030,032, 033,034,037,038,039,042,070,072,080,089, 092,093,098
Sharp	003,075
Sherwood	043,085,086
Siemens	004,018,036,037,047,056,077,087,092,095, 099
Sinotec	024
Sinotec(Pepsi- Dose)	024
Sony	019,046,050,051
Supertech	042
T+A	035,054
T+A Elektroakustik	054
TCM	105,106,107,111
Teac	112,113
Technics	017,059,060,091
Tevion	105,106,107
Theorie&anwe ndung	114
Thomson	012
Uher	005
Universum	033,077,092,096,102
Yamaha	015,027,045,064,083

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Brand	AMP	LD/OTHER
ADT		161
Aiwa	028,128,129	181,182
Akai	018,112,121	
Amplifier	158	
Amstrad	014,034,077,086,145	
Arion		162
ASH	027	
Aswo	043	
Audio Comb1		040,190
Braun	104	
Bush	032,116	
CD Photo		039
CDR		041,191
CD Video		038
Cpremier		195(VCD)
Cybercom	169,170,171	173,174,175,176,1 77,178
Cybermaxx	169,170,171	173,174,175,176,1 77,178
Cytron	169,170,171	173,174,175,176,1 77,178
Daewoo	022	194
DBS		179
Denon	020,080,098,131,139	001(LD)
Diora	081	
Disco Vision		003(LD)
DMT		161
Dual	062,124,169,170	173,174,175,176,1 83

Elta		176,184
Fischer	021,085,134	
Fujitec		195(VCD),196(VCD)
Goldstar	029	
Gold Vision		166,167
Goodmanns	015,018,032	
Grundig	043,142,148	005(LD),043,044,046
Harman Kardon	091	
HDT		159
Hitachi	098	003(LD)
Home automation		192
ITT	073	
JBL	068,118	
JVC	067,146,150	
Kawai		195(VCD),196(VCD),197(VCD),198(VCD),199,200(VCD)
Kenwood	023,062,156	062
Lifetec	169,170,171	173,174,175,176,177,178
Linn	043,148	043
Luxman	099,100,149,152	
Magnavox		046
Magnum		201
Marantz	043,148,153	043,044,046
Medion	034,169,170,171	173,174,175,176,177,178
Meridian	148	043
Micromaxx	169,170,171	173,174,175,176,177,178
Microstar	169,170,171	173,174,175,176,177,178
Minowa	013	
Mission	155	
Mitsubishi		005(LD)
NAD	048	005(LD),047,048,049,050
Naim		043
Nakamichi	069	
Niam	148	
Nokia	072	
Noname	032	
Okano	016,017	
Onkyo	024,125	
Palladium	033,090,133	
Palladium/Okano	143	
Panasonic	136,138,141	
Philips	043,101,140,148,153,154	004(LD),006(LD),043,044,045,046
Pioneer	011,119,148	003(LD),005(LD),043,055,185
Premier		195(VCD),196(VCD)
PRO2	169,170,171	173,174,175,176,177,178
Quad	148	043
Radiola		006(LD)
Radiotone	087	
Radix		160
Radmor	140,153,154	
Revox	089,120	
Revox/Studer	101,153,154	
Rotel	126,127	

Saba	151	
Samsung	010,074,083,092	065,186
Sansui		044,046
Sanyo	134,157	
Schneider	012,013,016,019,026, 029,032,033,034,035, 043,073,075,086,088, 096,105,106,107,108, 109,110,111,113,114, 115,143,144,145,147	
Sharp	132,156	187
Sherwood	071,078,079	
Show		196(VCD)
Siemens	016,018,019,022,026, 029,031,034,043,075, 093,094,095,142	
Sinotec	035	
Sinotec(Pepsi-Dose)	035	
Sony	036,117,133	002(LD),007(LD), 008(LD),051,052, 053,056,057,058,0 59,060,061,168,18 8
Sunny		196(VCD)
Supertech	032	
Switch Box		180
T+A	025,103	
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TCM	169,170,171,172	173,174,175,176,1 77,178,202,203
Techmate		163
Technics	082,097,135,138	063
Techsan		164,165
Telefunken		005(LD)
Tensai	102	
Tevion	169,170,171	173,174,175,176,1 77,178,204
Thomson	123	064
Thorn		009(LD)
Uher	130	
Universum	010,016,018,084,107	
Video CD		037,189
Welltech		173,178
X-10(NEC)		193
Yamaha	030,070,076,122	042,054,066
Others	137	