

Operation Instructions

English

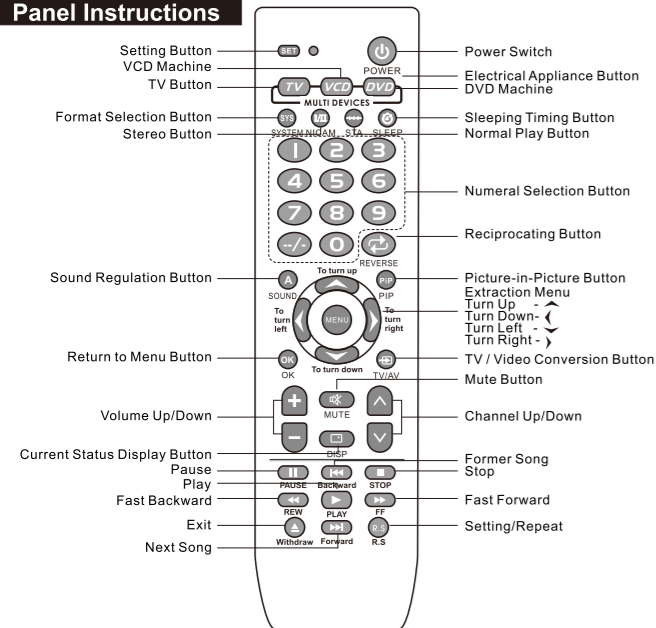
DZL-453

Product Introduction

Thank you for purchasing our product. It's our honor to offer service to you. Please read carefully the following contents prior to using the product. Be sure it will bring convenience to you during your operation.

RM-88E is a newly launched 3-in-1 universal remote controller. It can operate the most majority of TV sets, VCDs, DVDs with different brands and models in the world. It's characterized by code searching, low power consumption, complete functions, sufficient emission distance, easy to operate, novel appearance and nice handle etc. It has operation indicator light, making your setting and operation simple and convenient. Therefore, it's an ideal option after your original remote controller is lost, damaged or needs to be substituted, or when you desire to have a combined usage.

Panel Instructions



Setting of Remote Controller

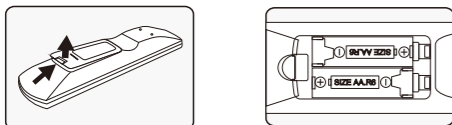
The remote controller must be subject to setting prior to use, with details of setting being described in the Instructions, which include:

- Battery Installation ● Presetting of Remote Controller ● Steps of Setting of Remote Controller

Install Battery

Battery Installation

Push open the door of the battery compartment and insert two new AA alkali batteries (#5, non attached item) in accordance with the "+ / -" symbol indicated in the battery compartment, as shown below.



Battery Precautions

- The process of battery replacing shall not be above 5 minute, otherwise the original setting will lose and the remote controller needs resetting.
- The remote controller is a low power waste product, and the battery lifespan is 12 months. If used or operated improperly, the lifespan of the battery will shorten.
- Do not mix the new and dead batteries or the batteries with different models in usage.
- When battery leakage occurs, please remove the batteries immediately and clean the battery compartment, then insert new batteries.
- Please take out the batteries when the remote controller is not to be used for a long time.

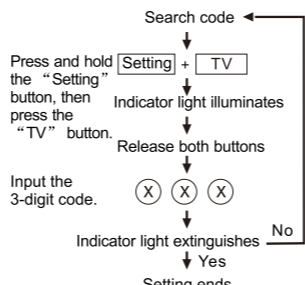
Setting Steps for TV Set

Manual Setting

1. Find out the 3-digit code for the TV that you desire to control from the "code list". In case there are several groups of codes available, please use the first group at first;
2. Press and hold the "Setting" button at first, then press the "TV" button. Release both buttons after the indicator light illuminates, indicating the status of code input;
3. Input sequentially the 3-digit code that you have obtained. The indicator light flashes once when one digit is input. After the input of the code, the indicator light extinguishes;

Note: In case the indicator light keeps illuminating after two flashes, you only need to input the correct 3-digit code and do not repeat Step 2, otherwise a resetting started from Step 2 shall commence.

4. When the indicator light extinguishes, the setting ends. Please test the remote control can work normally or not, if not, reset it from step 1 and try next 3-digit code



Search For the Correct Code

In case that your TV cannot be remotely controlled after all the codes available are tried, or in case that your TV is the brand that has no matching code in the "code list", you may try the following steps:

1. Manually switch on the TV that you desire to control.
2. Aim the remote controller at the TV. Press and hold the "Setting" button at first, then press the "TV" button. At this time, the indicator light illuminates. Then release both buttons.
3. Press the "Volume Up" button on the remote controller and release it to observe whether the volume indication on the TV is shown. Repeat the operation till the volume indication on the TV is shown, and then press the "Setting" button.

Note: Each press of the "Volume Up" button will lead to one code emission. If the code is identifiable by the TV, the volume of the TV program will change.

4. At this time, the indicator light extinguishes, and the setting ends. You can check other functional buttons, for example, "Power" to ensure that they work well.
5. In case other buttons fail to work properly, a resetting started from Step 2 shall commence till the correct code is found.

Note: After each press of "Volume Up" button, the code number of the remote controller will add 1 and the "Volume Up" code under the code will be emitted once. In case a normal control still cannot be obtained, please refer to the "Problem Solving".

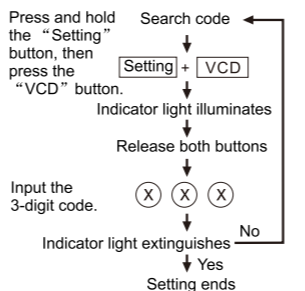
Setting Steps for VCD Machine

Manual Setting

1. Find out the 3-digit code for the VCD machine that you desire to control from the "code list". In case there are several groups of codes available, please use the first group at first;
2. Press and hold the "Setting" button at first, then press the "VCD" button. Release both buttons after the indicator light illuminates, indicating the status of code input;
3. Input sequentially the 3-digit code that you have obtained. The indicator light flashes once when one digit is input. After the input of the code, the indicator light extinguishes;

Note: In case the indicator light keeps illuminating after two flashes, you only need to input the correct 3-digit code and do not repeat Step 2, otherwise a resetting started from Step 2 shall commence.

4. When the indicator light extinguishes, the setting ends. Please test the remote control can work normally or not, if not, reset it from step 1 and try next 3-digit code



Search For the Correct Code

In case that your VCD machine cannot be remotely controlled after all the codes available are tried, or in case that your VCD machine is the brand that has no matching code in the "code list", you may try the following steps:

1. Open the VCD and place into the VCD disk, (when turn on your VCD, if it is automatically playing, please press the "pause" key of your VCD to stop it.)
2. Aim the remote controller at the VCD machine. Press and hold the "Setting" button at first, then press the "VCD" button. At this time, the indicator light illuminates. Then release both buttons.
3. Press the "Play" button on the remote controller and release it to observe whether the VCD machine plays. Repeat the operation till the VCD machine plays, and then press the "Setting" button.

Note: Each press of the "Play" button will lead to one code emission. If the code is identifiable by the VCD machine, the VCD machine will play.

4. At this time, the indicator light extinguishes, and the setting ends. You can check other functional buttons, for example, "Exit" to ensure that they work well.
5. In case other buttons fail to work properly, a resetting started from Step 2 shall commence till the correct code is found.

Note: After each press of "Play" button, the code number of the remote controller will add 1 and the "Play" code under the code will be emitted once. In case a normal control still cannot be obtained, please refer to the "Problem Solving".

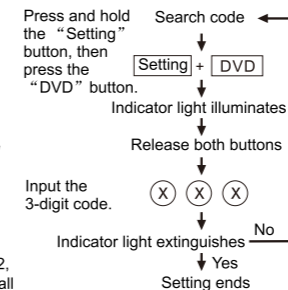
Setting Steps for DVD Machine

Manual Setting

1. Find out the 3-digit code for the DVD machine that you desire to control from the "code list". In case there are several groups of codes available, please use the first group at first;
2. Press and hold the "Setting" button at first, then press the "DVD" button. Release both buttons after the indicator light illuminates, indicating the status of code input;
3. Input sequentially the 3-digit code that you have obtained. The indicator light flashes once when one digit is input. After the input of the code, the indicator light extinguishes;

Note: In case the indicator light keeps illuminating after two flashes, you only need to input the correct 3-digit code and do not repeat Step 2, otherwise a resetting started from Step 2 shall commence.

4. When the indicator light extinguishes, the setting ends. Please test the remote control can work normally or not, if not, reset it from step 1 and try next 3-digit code



Search For the Correct Code

In case that your DVD machine cannot be remotely controlled after all the codes available are tried, or in case that your DVD machine is the brand that has no matching code in the "code list", you may try the following steps:

1. Open the DVD and place into the DVD disk, (when turn on your DVD, if it is automatically playing, please press the "pause" key of your DVD to stop it.)
2. Aim the remote controller at the DVD machine. Press and hold the "Setting" button at first, then press the "DVD" button. At this time, the indicator light illuminates. Then release both buttons.
3. Press the "Play" button on the remote controller and release it to observe whether the DVD machine plays. Repeat the operation till the DVD machine plays, and then press the "Setting" button.

Note: Each press of the "Play" button will lead to one code emission. If the code is identifiable by the DVD machine, the DVD machine will play.

4. At this time, the indicator light extinguishes, and the setting ends. You can check other functional buttons, for example, "Exit" to ensure that they work well.
5. In case other buttons fail to work properly, a resetting started from Step 2 shall commence till the correct code is found.

Note: After each press of "Play" button, the code number of the remote controller will add 1 and the "Play" code under the code will be emitted once. In case a normal control still cannot be obtained, please refer to the "Problem Solving".

Check To Ensure the Remote Controller Works

1. Manually switch on the electrical appliance that you desire to remotely control and make the appliance (TV, VCD, DVD) in the idle status.
2. Aim the remote controller at the appliance (TV, VCD, DVD) and check to ensure each functional button, for example, "Mute" works well.

Note: When all the functional buttons are in normal, the setting is OK. In case part of functional buttons fail to work or work differently from the panel indication, you shall search other code or apply the search function till a matching code is found.

Usage of Remote Controller

1. Aim the remote controller at the electrical appliance and the electrical appliance shall be switched on/off after the "Power" button is pressed.
2. Press the other functional buttons on the remote controller to control the electrical appliance.

Note: 1. The using of the remote controller cannot lead to the addition of your TV function, and its functions rest with your TV functions. For example, in case no "Mute" function is available at your TV, the "Mute" button on the controller will not function.
2. For some functions of some electrical appliances, the remote controller may have no effect.
3. For the control of some electrical appliances, the working of the remote controller may differ from the panel indication.

Problem Solving

When problems arise during your setting or using the remote controller:

- Please carefully follow the steps in the "Setting of Remote Controller" when you set the remote controller. In case that the first group of codes you set fail to control your electrical appliance, please reset all other codes for the same brand. In case all codes cannot drive your controller to normal working (or your TV is beyond the "code list"), please try the steps in "Search For the Correct Code".
- In case that your input is wrong during the code input process, you can reenter a correct 3-digit code in the condition that the indicator light still illuminates; in case the indicator light extinguishes, a resetting is needed.
- Ensure that the remote controller directly aims at the electrical appliance that you desire to control and there is no barrier therebetween.
- Check that there are batteries available in the controller, and the polarities of the batteries are correct; in particular, in case the original code is lost during battery replacing, code resetting is necessary.
- Ensure that your electrical appliance has receiving function or receiving device. If not, the remote controller will not work.
- In case the remote controller is operated improperly, it's possible that it stops to work. In this case, you need to take out the batteries and reinstall them 20 minutes later, then the controller will resume to the normal application.

Technical Parameters

Remote Control Distance: About 8m (varies with electrical appliance models)
Power Supply: DC 3V
Battery Model: AA battery, 2 units
Weight: About 75g (batteries excluded)
Exterior Sizes: W47mm x L176mm x H26mm

After Service

During the usage of the remote controller, in case any problem occurs or remote controller fails, please contact us promptly and we'll do our utmost to serve you. However, random dismantling or repair of the remote controller is not allowed and we'll not bear responsibility for the remote controller that has been subject to random dismantling.

※ The final explanation right to the Instructions is vest in our Company, and product design and parameters are subject to change without additional notice.

CODE FORM FOR THE COMPONENTS

CODE FORM FOR TV

Brand	Code
DEXP	000,006,007,008,009,010,011,014,015,016,017,025,026,028,029,032,033,034,045,046,051,052,054,057,058,067,069,071,075,076,077,078,079,080,081,086,087,088,091,092,093,100,102,103,105,107,113,115,116,117,128,129,130,131,138,139,157,159,162,163,164,165,171,172,173,174,177,182,183,184,185,186,187,188,189,190,191,210,224,225,226,233,235,250,251,252,253,254,255,256,257,265,266,269,270,271,273,274,288,289,290,291,292,297,299,300,301,302,303,304,305,306,307,309,318,319,321,323,324,336,337,338,339,340,341,342,345,348,372,385,386,392
CHANGHONG	000,008,009,091,092,093,010,011,014,016,026,028,033,051,052,057,058,067,071,086,087,088,100,159,162,182,183,184
KONKA	011,017,029,032,034,054,067,069,071,075,076,077,078,079,080,081,107,113,117,157,163,164,165,177,210
SKYWORTH --RGB	011,025,033,045,046,060,070,071,072,073,074,079,083,101,107,108,109,143,160,168,169,170,176,180,194,195,196,197,198,199,200
TCL	051,053,068,071,073,082,083,084,085,110,111,144,156
XIAHUA	011,016,024,027,025,033,053,054,055,056,060,098,080,095,079,073,211,209
HISENSE	000,006,007,008,010,014,015,025,045,046,103,105,107,115,116,128,129,130,131,138,139,171,172,173,174,185,186,187,188,189,190,191
Haier	103,112,118,119,175,185,186,187,188,201,205,206
JINXING	007,008,011,013,024,025,032,033,039,051,065,071,073,079,091,097,138
PANDA	001,011,016,021,022,023,024,025,026,028,033,040,043,053,056,009,057,058,051,062,073,079,089,091,061,124,125,181,203,204,208
SONY	041,049,005,094,106,148
PANASONIC (NATIONAL)	020,001,002,014,015,021,022,059,066
HITACHI	007,015,014,027,000,006,008,010,048,179
SHARP	003,018,016,025,135,136,137
MITSUBISHI	011,051
TOSHIBA	000,014,016,027,033,053,056,007,008,015,028,030,089,090,091,079
PHILIPS	013,023,024,039,040,043,141

Brand	Code
SAMSUNG	008,011,016,021,025,037,039,040,043,050,033,024,051,091,123,113
SANYO	008,000,007,014,015,033,035,053,056,079,105,132,133,134,202
NEC	006,011,016,004,025,033,053,056,024,079
DAYU	012,042,031
BEIJING	008,012,011,019,016,023,024,025,027,028,029,030,031,033,040,043,050,053,056,026,079,091,039,042,051,021,122,126
XIHU	011,023,024,033,038,040,043,053,079,098
CONROWA	000,006,007,008,010,016,025,033,053,055,056,045,046,048,073,099
ROWA	011,016,023,024,025,040,043,096,127
TOBO	016,025,033,053,056,079,101,103
HITCHI	007,011,015,023,024,028,033,034,040,043,053,056,060,061,065,079
FUFIAN	017,001,032,047
ANHUA	016,025,033,053,056,079
BAIHUA	023,024,040,043
BAIHEHUA	016,025,012,019,026,027,028,029,030,031,042
BAILE	011,025,016
BAOSHENG	033,053,056,079
BaoHuaShi	011,025,016
CAIHONG	023,024,040,043
CAIXING	011,016,017,023,024,025,033,040,043,053,056,001,012,019,027,026,028,029,030,031,042,079
CHANGCHENG	011,025
CHENGDU	011,053,056,045,046,024,079,033
CHANGFENG	011,016,025,042,123
CHANGFEI	011,025,016,123
CHANGHAI	142
CHUNLAN	016,025,033,053,056,079,124
CHUNFENG	011,025,016
CHUNSUN	016,025
DONGDA	016,025
DONGHAI	011,016,025
FEILU	011,016,023,024,025,040,043,125
HUANGHE	016,025
HUANGHAIMEI	011,016,023,024,025,032,033,040,043,053,056,079
HUANGSHAN	016,025
HUANGLONG	011,016,023,024,025,032,033,040,043,053,056,079
HUARI	007,033,053,056,079
HAIYAN	011,023,024,033,040,043,053,056,079
HAIHONG	016,025,026,027,028,029,030

Brand	Code
HAILE	032,047
HUANYU	011,015,023,024,033,040,043,053,056,009,057,058,079
HONGMEI	003,011,016,018,023,024,025,033,040,043,056,009,057,058,079
HONGYAN	011,033,053,056,079
JUHUA	011,023,024,033,040,043,053,056,079
JINGHAI	009,057,058
JINFENG	001,011,021,022
JINTA	016,023,024,025,033,040,043,053,056,009,057,058,079
JINQUE	011,025,016
JINQUE	032,033,053,056,079
JIAHUA	017,047,001,032,149,207
KUNLUN	001,011,021,022,033,025,012,042,040,039
KAIGE	011,016,023,024,025,033,040,043,053,056,079
KANGLI	027,012,019,025,026,028,030,031,033,120
KANGHONG	009,058,057
KANGLI	016,023,024,025,040,043,011,026,027,028,029,042,005
KANGYI	016,025,033,053,056,079,121
KONGQUE	011,016,023,024,025,033,040,041,043,124
KUAILE	016,025,033,053,056,079
LONGJIANG	011,033,053,056,079
LIHUA	001,002,011,016,020,021,022,025,032,033,040,043,053,056,059,063,065,079,145,146
MUDAN	011,023,024,033,040,043,053,056,009,057,058,079
MEILE	023,024,040,043,011,033,053,056,079
MENGMEI	001,011,021,022,033,053,056,079
NANSHENG	011,015,023,024,040,043,007,016,025,033,053,056,079
QINGDAO	011,033,053,056,079
RUYI	009,011,016,017,022,023,024,025,033,040,043,053,056,057,058,079,123
SHENCAI	011,015,000,006,007,023,024,040,043,011,033,053,056,079
SHANCHA	011,033,053,056,079
SHANGHAI	009,011,016,017,022,023,024,025,033,040,043,053,056,057,058,079,123
SHAOFENG	011,015,000,006,007,023,024,040,043,011,016,025,046,045,033
SHENYANG	011,025,016
SAIGE	016,025
SONGBAI	003,011,016,018,023,024,025,040,043
SANYUAN	033,053,056,079
SANJIAN	011,016,025,042,038,031,030,029,028,027
TAISHAN	003,011,018
TIANE	033,053,056,079
TONGGUANG	016,025
WEIPAI	

Brand	Code
XIANGYU	016,025,032
XUELIAN	023,024,040,043,009,057,058
XINAGHAI	016,025,033,053,056,079
XIANGYANG	033,053,056,079
XINGFU	016,025
XINRISONG	009,057,058
YINGGE	016,023,024,025,040,043
YUHANG	016,025
YONGGU	016,023,024,025,040,043
YONGBAO	009,057,058
ZHUHAI	016,025,042
888	033,053,056,079
GANXIN	011,017,023,024,040,041,043
HUAFA	007,016,025
HUAQIANG	033,053,056,079
JVC	089,161
FEIYUE	011,016,023,024,025,040,043
FEILANG	016,025
NANBAO	016,025,033,053,056,009,057,058,079
FEIYAN	033,053,056,079
XINSIDA	123
NEC	089,140
CAILING	102
AOLINPU	104
SHANGGUANGDIAN	158,166,167
WARUMAIA	031,012,042
YOULANASI	011,023,024,040,043
GOLDSTAR	009,019,023,024,040,043,098,140
YOUSIDA	016,025,009,057,058
AIWA	009,057,058
HUODATEJI	032,001,017,047
JIALICAI	016,025,028,033,053,056,079,124
AOLINPIYA	033,053,056,079
SHENGLI	004
SHERWOOD	016,025
AKAI	033,053,056,079
IMPERIAL	033,053,056,012,019,025,026,027,028,029,030,031,042,079
COWN	011,033,053,056,079
FUJITSU	048
FULI	047
NIKON	009,057,058
LG	040,043,140
OTHER BRAND	036,044,114

CODE FORM FOR VCD

Brand	Code
QISHENG	000,005,008,020,025
YINGZHIBAO	001
SONY	002,013,014,081,110,140

Brand	Code
DODA	003,005
SHINCO	007,012,026,027,047,090,110
BBK	010,044,046,085,089,127
CHANGHONG	028,029,042,124
KENNOOD	032,093
ONKYO	033,080
DIHE	034
HITACHI	035
JINGE	036
Amoisonic	038,040,045,054,092,101,123,125
PHILIPS	039,056,101,106
IDALL	043,048,057,068,072,084,091,061,122,113
MALATA	009,011,049,051,053,055,062,145,146,147,120,121
PANASONIC	050,098,097,099,052,112,052
TOSHIBA	058,067,069,073
AIWA	059,070,133,134
SAST	060,061
ZAOWEI	063
SMC	065
MALANSHI	066
PIONEER	071,073,129,130
JVC	074,082,109
DENON	075,137,139
DONGPENG	076,117
SHARP	077,138
CAINI	078
VICTOM	079
RMS	020,030,083
NINTAUS	086,088,095,096,103,143,144
THAKRAL	100
RISHENG	105
YITONG	023,115
SKYWORTH	148
PANDA	107,108
JIABAO	111
SAMSUNG	094
SHANSHUI	128
VCD3.0	141,142
SUBOR	119
TCL	104
JX2026G	116
DONGAN	024
ROWA	043
KONGQUE	102
GOLDSTAR	136
OTHER BRAND	004,006,015,017,018,019,021,023,024,030,037,061,064,080,083,087,110,112,114,118,131,115

CODE FORM FOR DVD

Brand	Code
TCL	000,015,039,054,055
SHINCO	001,010
MALATA	002,009,023,024,073
NINTAUS	003,071,079,080,081,082,090,093
SAMSUNG	004,017,049
QISHENG	005,037
AKAI	006
LG	008
SAST	011
PHILIPS	012
SHANSHUI	013,046
PANASONIC	014
BBK	018,021,027,028,033,048,078,091
SAST	020,059,060,076
SKYWORTH --RGB	018,022,025,032,034,058,096,097
DANSAI	026,074
HUABAO	018,029,061,062,063
KETAI	030
JINGEWANGPAI	018
JINWANG	035
LINSHUMA	036
PANDA	038,051,052,053
SONY	040
TOSHIBA	041,069
DENON	042
ONKYO	043
PIONEER	044
JVC	045
Victor	047,084
QINGHUATONGFANG	056,057
BRAND	064,065
EMERSON	066,067
Haoji	068
DIHE	070,077
OKON	072
KENNOOD	075
THOMSON	083
XINDAI	085
DAYU	086,087
CAIXING	088,095
JIEKE	089
QIXING	092
WEIFA	050
OTHER BRAND	007,016,019