The only identifying mark on this remote is in the battery compartment, where there is a sticker that says: HE016
Introduction

Congratulations on your purchase of Philips Magnavox Universal Remote Control. Philips Magnavox Universal Remotes let you replace a broken or lost remote or combine more than one remote into one. In addition, this remote is equipped with a command learning feature which lets the remote learn commands from your original equipment remote control!

This remote control operates the common features of most but not all models and brands of IR Infrared Controlled Video Equipment. This remote may provide functions that are not available on your equipment. Some functions of your particular equipment (e.g. menu functions) may not be controlled by this remote. In such cases, use the original remote control for your equipment. Please use this manual to become familiar with your Philips Magnavox Universal Remote. After you are familiar with your remote the first thing you need to do is to install batteries and setup your remote for your particular product and brand.

Thank you for buying a Philips Magnavox remote and we hope it will give you many years of service.
Battery Installation

1. On the back of the remote, push down on the tab and lift the cover off.
2. Match the batteries to the + and - marks inside the battery case, then insert 2 AAA Alkaline batteries.
3. Press the battery cover back into place.

Battery Saver

Your remote automatically times out if the buttons are depressed more than 30 seconds. This will save your batteries should your remote get stuck in a place where the buttons remain depressed (e.g., between the sofa cushions).

Code Saver

Codes are stored in permanent memory while you are changing batteries so you will not lose any codes stored in the remote while you are changing batteries. If you do want to delete any stored codes, see page 15.

Power-On Default

The remote powers on in TV mode.

TV Volume/Mute Punch-Through

The TV Volume/Mute punch-through feature lets you control the Volume and Mute function of your TV in any mode programmed to be a VCR, DVD, Cable or SAT device, without needing to change to TV mode.

VCR Punch-Through

Punch-through to VCR mode is only allowed in TV, VCR and Cable modes. SAT/DBS is dedicated for satellite mode.

Code Setup

The Code Search button is used to setup the remote. You can either setup the remote using the code for your brand of product, from the code tables, or you can search through the library of codes until you find a code that works for your product.

NOTE: You can store any kind of code under any mode (except TV). I.e. you can store a VCR code under the CBL key, or a DVD code under the VCR key, etc. However, you can only store TV codes under the TV key.
Some buttons on the remote might have functions that are referred to by different names on the device you are controlling. E.G. Prev. Ch. may be called RECALL, or ENTER may be called DISPLAY. These differences depend on the brand and model of your product. Also, this remote can only operate features that exist on your product. E.G., your product must be equipped with Prev. Ch. ability for the Prev. Ch. button to operate this feature.

**MUTE**
Turns off the TV sound while the picture remains.

**Code Search**
For setup.

**POWER**
Turns product On or Off.

**SLEEP**
Turns off the TV after a period of 1 to 99 minutes.

**PIP**
TV Picture-in-Picture control.

**NUMBERS**
Enter numbers for direct channel selection. Some products require Enter to be pressed after channel selection.

**ENTER**
Used after direct channel number entry to immediately change to the selected channel.

**INFO/Select**
Displays/selects on-screen channel information, etc.

**MENU**
Access the Menu functions of the device you are controlling.

**OK**
Selects menu items for the device you are controlling.

**TV, VCR, DVD**
Selects product to be operated.

**CBL, SAT**
Lights when any button is pressed.

**CHANNEL Up/Down**
Changes the channels.

**VOLUME Up/Down**
Changes the volume level of the product, normally the TV.

**Prev. Ch.**
Returns to the previously selected channel, or DVD repeat toggle.

**CC (Subtitle)**
TV Closed Caption (if your TV has this feature) or DVD Subtitle toggle.

**Learn**
Used to setup learning functions.

**TOGGLE**
Swaps TV PIP screens.

**TV/VCR/input toggle**
For some TVs, press repeatedly to select from available viewing sources (antenna, cable box, VCR, etc.).

**GUIDE**
Displays on-screen program guide.

**QUIT**
Used to exit menu functions.

**RECORD, PLAY, STOP, REW, FF, PAUSE**
VCR control buttons operate your VCR even when the remote is set to operate the TV. Also operates DVD Scan +/-.

Note: The REC button must be pressed TWICE to record from your VCR. For some brands of VCRs, you might need to press the REC button once, then press it again for three seconds.
**Advanced Button Functions**

**DVD**

Scan+ and Scan- buttons control the speed of Fast Forward and Reverse Playback respectively.

Chapter+ and Chapter- buttons respectively locate the succeeding or preceding Chapters or Tracks on a disc.

Subtitle button brings up DVD Subtitle Menu for Subtitle selection and display.

Repeat button performs DVD players “A-B Repeat” (or RPT A.B) function for repeat play of current Chapter or Track.

Info/Select button brings up DVD Display or Control Menu for Chapter/Track/Title number, Time remaining/elapsed indication, system information, etc.

Menu brings up the DVD disc Menu screen - use with the Up, Down, Left & Right navigation buttons.

OK button is used for on-screen Menu selection. Note some DVD players require the Play button to be used.

Quit button is used to Exit or Clear on-screen Menu displays.

Play button is used to start Disc playback and for Menu selection on some DVD players.

Stop button stops Disc playback.

Pause button will pause Disc playback - press Play to resume.

Note - in DVD Mode the INPUT button activates the DVD Players SETUP Menu.

**SAT**

Guide button displays on-screen Satellite Channel Guide.

Chapter+ and Chapter- buttons perform the “Page+” and “Page-” function for on-screen Guide Menus used by some Satellite systems.

Info/Select button brings up Satellite Display screen for current Channel and system information.

Menu brings up the Satellite Menu screen - use with the Up, Down, Left & Right navigation buttons.

OK button is used for on-screen Menu selection.

Quit button is used to Exit or Clear on-screen Menu displays.

Input button performs the Satellite TV/SAT function.

**TV/VCR Punch-Through**

VCR Punch-through is automatically available in TV and Cable Modes only i.e. the 6 VCR keys (Play, Pause, Stop, Record, FF and Rewind) will punch-through to the device programmed under VCR when in either TV or Cable Modes.

The TV/VCR/INPUT button performs the TV/VCR antenna switch function when in VCR Mode.

The TV/VCR/INPUT button performs the A.B switch function when in Cable Mode.

The TV/VCR/INPUT button performs the TV/SAT switch function when in SAT Mode.

The TV/VCR/INPUT button performs the INPUT source switch function when in TV Mode.

The TV/VCR/INPUT button performs the DVD Setup function when in DVD Mode.

**Misc.**

SELECT means same as OKAY - some manufacturers use OKAY label and others use SELECT label on their remotes.

CC will activate the Closed Caption feature if your device has that feature.

PIP (Picture-in-Picture) and TOGGLE buttons operate your television’s Picture-in-Picture features. Use PIP to activate the feature and TOGGLE to swap between the displayed pictures on your TV.

**TV/VCR and TV/DVD Combo units**

Note that for some TV/VCR and TV/DVD combo units you might need to set up two different buttons to control both parts of the combo unit. E.G., (referring to the Direct Code Entry section on the following page) you might need to set up a code under the TV button to control the TV part of the combo unit AND a separate code for the VCR or DVD under any other button you choose.
Direct Code Entry

1. Press and hold the Code Search button until the red indicator stays on. Release the Code Search button.
2. Press and release the desired mode button (TV, VCR, etc.).
The red indicator blinks, then stays lit.
3. Enter the 3 digit code from the code tables. Note: after a valid code entry, the red indicator turns off. For an invalid code, the red indicator flashes.
4. With your device on, press CHANNEL Up. If the device responds, no further programming is required. Note: If some buttons do not operate your equipment, try one of the other codes for your brand.

Programming with Code Search

1. Manually turn on the device (TV, VCR, etc.) to be controlled.
2. Press and hold Code Search button until the red indicator stays on. Release the Code Search button.
3. Press and release the desired mode button (TV, VCR, etc.).
The red indicator blinks, then stays lit.
4. Press the Channel Up button repeatedly (up to 300 times) until the device to be controlled changes channel. The red indicator blinks, then stays lit. If you accidentally overshoot the code required, press the Channel Down button to backtrack through the library until the device changes channel. Pressing Channel Up changes direction to forward again. Press and release the Mute button to install the code.

The above assumes that you want to store VCR codes under the VCR button, Cable codes under CBL, etc. If you want to store a VCR code under CBL, etc., first follow the procedure on page 10 and try ANY CBL code from the code tables, e.g. press CBL in step 2, page 10, and then enter ANY VCR code. Then follow the steps above.

Note: If the device does not have a Channel Up button, use Play (VCR only) or Power instead. Code Search starts from the currently stored three digit number under that mode e.g. if the mode has 100 codes and the currently stored code is 050 then the Code Search starts from 051 continuing to 100 before looping back to 000 and finishing at 050. This simplifies the process if you find that several preprogrammed codes operate your device by allowing you to bypass codes already tried.

<table>
<thead>
<tr>
<th>Type</th>
<th>Type stored</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>TV</td>
<td>TV</td>
<td></td>
</tr>
<tr>
<td>VCR</td>
<td>VCR</td>
<td></td>
</tr>
<tr>
<td>Cable</td>
<td>CBL</td>
<td></td>
</tr>
<tr>
<td>SAT</td>
<td>SAT</td>
<td></td>
</tr>
<tr>
<td>DVD</td>
<td>DVD</td>
<td></td>
</tr>
</tbody>
</table>
Code Identification

1. Press and hold Code Search button until the red indicator stays on. Release the Code Search button.
2. Press and release the desired mode button (TV, VCR, etc.). The red indicator blinks, then stays lit.
3. Press and release the Code Search button. The indicator light blinks off.
4. To find the first digit for the code stored under the mode key pressed in step 2, press each numeric key from 0-9 in turn. When the indicator light blinks off the number you pressed is the first digit for the code you are searching for.
5. To find the second digit, repeat step 4, this time when the indicator light blinks off this is the second digit.
6. Repeat step 4 again to find the third digit.

Sleep Timer

The Sleep feature enables the remote to turn off the TV after a period of 1 to 99 minutes. Remote is to be in TV mode to set a Sleep Timer. This feature works even if your TV does not have this feature.

1. Press and release the TV Mode key.
2. Press and hold the Sleep button until LED remains on (occurring after approx. 2-3 seconds).
3. Release Sleep button.
4. Press and release the numeric keys (01-99) for the time required. The LED will blink off to indicate keypress acceptance and remain off after second keypress.
5. TV Sleep Timer now set.
6. Leave the Remote pointing towards the TV with an unobstructed path.

To cancel the Sleep Timer, press and hold the Sleep key until the LED blinks or press and release the Power key in TV Mode.

Code Learning

Tips On Learning

1. Use fresh batteries for both the Learning Remote and the Original Remote.
2. Perform a Master clear (see page 15) before learning.
3. Place the original remote end-to-end with the Learning Remote so the IR transmitters on both remotes are directly in line with each other. Keep the two remotes approximately one inch away from each other.
4. Experiment by learning 2 or 3 commands initially (to ensure compatibility and familiarity) and then carry out a Master Clear before completely learning your original remote’s commands.
5. Do not try to learn directly under an incandescent or low-energy light as these can cause interference with learning. Keep at least three feet away from any such light sources.
Learning Commands

1. Press and hold the Code Search button until the red indicator stays on. Release the Code Search button.
2. Press the mode button for the type of device you want to learn (TV, VCR, Cable, etc.). The indicator lights blinks off once.
3. Press the Learn button.
4. Press the button on the Learning Remote that you want to teach, e.g. Power.
5. Point both remotes at each other (see tips on page 11). Press and hold the Original Remote button that you want to learn, e.g. Power, until the indicator light turns off. If there is a problem with learning, the indicator light blinks for three seconds but the remote remains in the Learning mode. If this happens, repeat from Step 4.
6. Repeat Steps 4 and 5 for other buttons you want to learn.
7. Press and release the Code Search button when all desired original remote commands are learned. Code Learning is now complete.

Note: No functions may be stored under the Code Search button, any mode button, or the Learn button.

To Clear all Learned Commands under a mode

1. Press and hold the Code Search button until the indicator light turns on. Release the Code Search button.
2. Press and release the button for the mode you want to clear (TV, VCR, etc.). The indicator blinks off.
3. Press and release the Learn button TWICE. The indicator blinks off.

All learned Commands under that mode are now cleared.

Master Clear - To Clear all Learned Commands, i.e. return to factory defaults

1. Press and hold the Code Search button until the indicator light turns on. Release the Code Search button.
2. Press and release the Learn button TWICE. The indicator blinks off.

All Learned commands in the remote are now cleared.
DISH NETWORK 366 460
                      464 560 660 962
DX ANTENNA 458 859
ECHOSPHERE 464
ECHOSTAR 366 460 464
                      560 660 962
EXPRESS VU 464
FUJITSU 760 860
GE 265 863
GENERAL INSTRUMENTS .
                      058 066 158 166
                      258 865 969 965
DSS HITACHI 765 864
DSS HUGHES SATELLITE 
                      465 564 664 864 964
JANEIL 261
JEROLD 361
JVC 466
KENWOOD 461
LUXOR 561
DSS MAGNAVOX 259
                      565 862
MACOM STATE 661
NORSTAT 761 861
DSS PANASONIC 260 264
PRIMESTAR 364
PHILIPS 259 565 862
PHILIPS/MAGNAVOX 259
                      565 862
PIONEER 060
PROSCAN 265 863
REALISTIC 265 866 966
SAMSUNG 861
SCIENTIFIC ATLANTA 362
SHARP 062
SIERRA I II III 757
DSS SONY 160 963
STARCHOICE 364
STAR SIGHT 964
STAR TRAK 462
STS 458 558 658 758
SUPER GUIDE 562
TOSHIBA 858
TOSHIBA DSS 064 164 764
UNIDEN 762 958
DSS UNIDEN 964
VIDEO CIPHER II 059
ZENITH 059 065 165
                      266 360 857 957

DVD

AIWA 043
AKAI 141
APEX 044
DENON 641 743
ELTA 045 145
EMERSON 241
FISHER 243
GE 644
GO-VIDEO 342 244
HITACHI 042 543 545
HARMAN/KARDON 344
JVC 242 443
INTEGRA 843
KENWOOD 641 544
KONKA 642 742 842 942
MAGNAVOX 441 442
MARANTZ 441 442
MITSUBISHI 841
MUSEK 744
NAD 944
NAKAMICHI 844
ONKYO 843
ORITRON 143
PANASONIC 641 741
PHILIPS 441 442 943
PIONEER 042 545
PROSCAN 941
RCA 941 644
SAMSUNG 342
SAMPO 343
SEG 444
SHARP 341
SHERWOOD 144
SHINCO 644
SONY 541
TEAC 042 545
TOSHIBA 441 245
ZENITH 241 142 345
YAMAHA 641 643
YAMAKAHA 445

Laser Disc

DENON 132
PIONEER 132
PROSCAN 432
RCA 432
SANYO 824
SONY 933
ZENITH 824

Product Operation

After the batteries are installed and you have programmed the remote for the codes that operate your products, you can use your remote to operate a TV, VCR, Cable Box, or Satellite System, etc.

TV (Press TV First)

VCR
(Press VCR First)

DVD Player
(Press DVD first)

Satellite System
(Press SAT first)

Cable Box
(Press CBL first)

To Operate:

1. Press the TV, VCR, CBL, SAT, etc. button (depending on which product you want to operate).
2. Aim the remote at the product.
3. Press POWER to turn on the product.
4. Press other buttons to operate the features of your product.