



OWNER'S MANUAL

# Video Call Camera

Please read this manual carefully before operating your set and retain it for future reference.

AN-VC200

# CONTENTS

## PREPARATION

Overview .....	3
Installing the Video Call Camera .....	4

## USING Skype™

Start Skype.....	5
Create account / Sign in.....	5
Skype menu .....	7
Contacts .....	7
Add Contact.....	7
Call Phones .....	7
History.....	8

My Information .....	8
Settings .....	8
Make a Video Call to the Contact.....	9
Make a Call (Voice only) to a Contact .....	10
Receiving a Call .....	10
Call when watching TV .....	10

## APPENDIX

Troubleshooting .....	11
Product Specifications.....	12

## Product Handling

- Do not let the camera get wet. Liquid getting into the camera could cause a short circuit.
- Wipe the camera gently with a dry cloth to remove any dust or dirt. If the product is very dirty, spray a mild detergent on the cloth first.
- Do not clean with thinner, alcohol, benzene or any other volatile agent. These may damage the product's surface or affect its operation.
- Do not disassemble, repair or alter the product. Incorrect disassembly may cause a fire, electric shock, or injury.
- Do not shake the camera.
- Do not pull on the cable.

## Installation Instructions

- Make sure you have enough space for connections when installing the product.
- Do not install in a dusty, dirty or moist area.
- Do not install in direct sunlight or near a heat source.
- Magnetic objects, such as speakers, may interfere with the camera's operation.
- Install the product in a place with moderate temperature and humidity. The recommended temperature range is 0 °C (32 °F) to 40 °C (104 °F).
- Strong electromagnetic waves from other devices could interfere with the camera's operation.
- Remove all the protective plastic bags (Vinyl) before use.

The product and company names contained in this manual may or may not be registered trademarks or copyrights, and are only used for identification or explanatory purposes. All trademarks reserved.

The AN-VC200 is a Video Call Camera that can be used with some LG TVs.

The following model lines are supported:

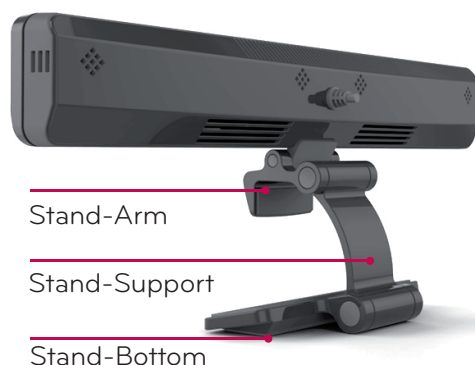
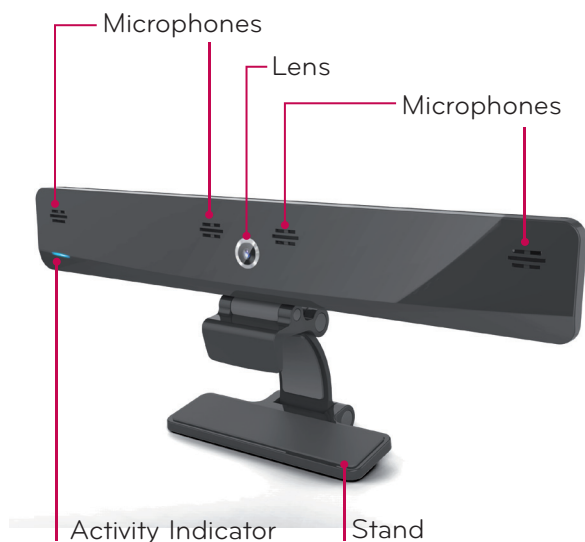
**LCD TV:** LX9500, LX6500, LE8500, LE7500, LE5500, LE5400, LE5350, LD650, LD550

**PDP TV:** PX950, PK950, PK750

(\*every model line listed is not available in every country).

# PREPARATION

## OVERVIEW



### ! NOTE:

- ▶ For best results when using a external speakers on your TV, only use the front right/left (stereo) speakers when using Skype.
- ▶ When making a video call with Skype using a PC, the Skype software version for Windows should be 4.2 or newer. (Visit the Skype homepage ([www.skype.com](http://www.skype.com)) for operating systems other than Windows, e.g. OS X, Linux, etc.)
- ▶ Video calls can not be made to a Mac that runs Skype 2.8 or lower.
- ▶ Content can be changed or deleted depending on Content Provider.
- ▶ Please visit the content providers web site for specific information on their services.
- ▶ The software update screen will automatically appear when an update is available.



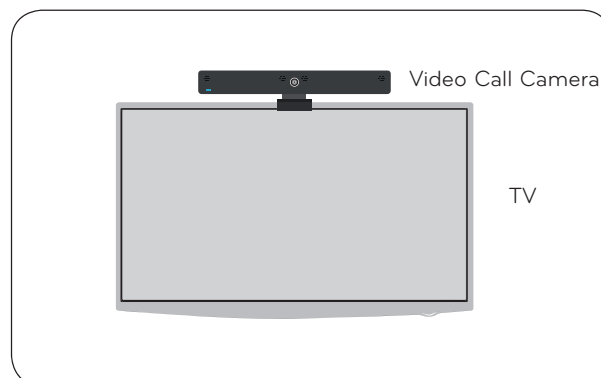
## No emergency calls on Skype

Skype is not a replacement for your ordinary telephone and can't be used for emergency calling. See Skype's terms and conditions at [skype.com/eula](http://skype.com/eula) and [skype.com/tos](http://skype.com/tos).

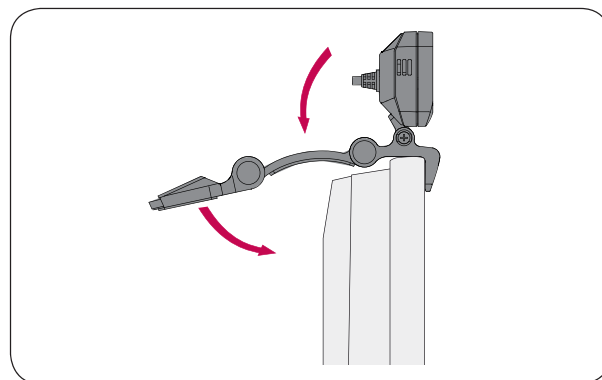
# PREPARATION

## INSTALLING THE VIDEO CALL CAMERA

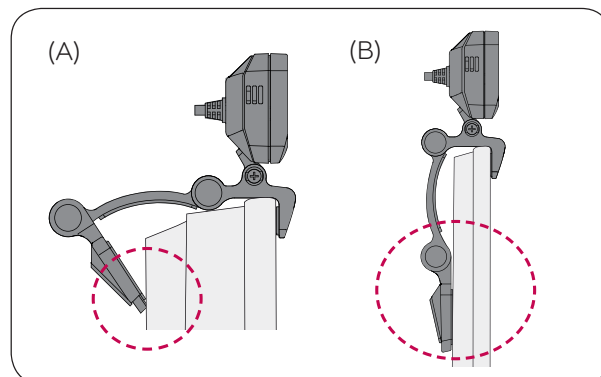
- 1 Unfold the stand and put it on the top center of the TV set.



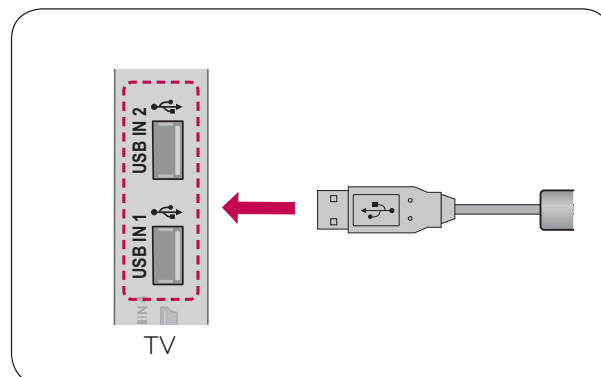
- 2 Fold the stand.



- 3 (A) For a TV with thick bezel, connect just the end of the stand to the back of the TV as shown in (A).  
(B) For a TV with slim bezel, place the entire bottom side of the stand on the back of the TV set.



- 4 Connect the USB cable to the side of the TV.

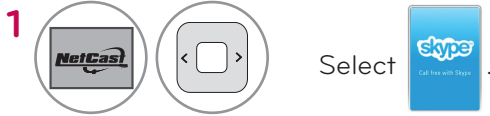


### ! NOTE

- ▶ For the best quality video and audio outputs, install the camera on the top-center of your TV.
- ▶ Set up with the television switched off.
- ▶ When using external speakers, allow sufficient space between the microphones and the speakers.
- ▶ The TV must be connected to a network for Skype to work.

# USING Skype

## START Skype



### ! NOTE:

► Skype must be connected to a network to operate.

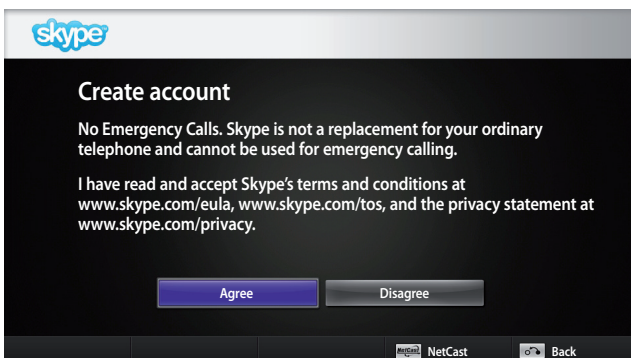
## CREATE ACCOUNT / SIGN IN



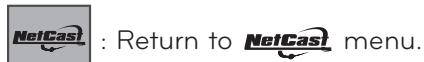
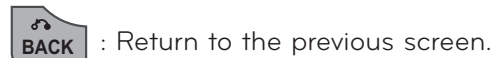
After selecting the Skype icon from the **NetCast** menu, enter your Skype name and password. Choose "Sign me in when Skype starts" to sign in automatically when the TV is switched on.

### ! NOTE:

► If you do not have a Skype account, press the **RED** button on the remote control to create an account.



This screen will appear if you choose to create an account.



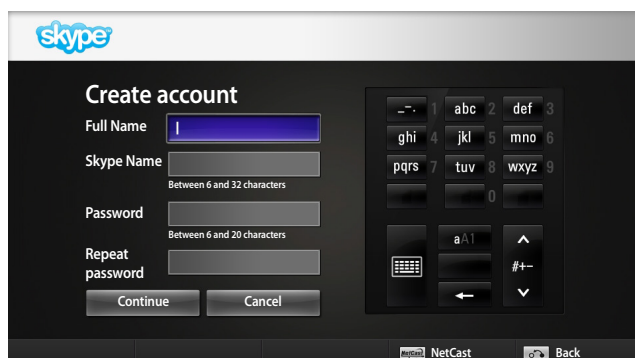
### ! NOTE:

► For more details about the Skype service, click the item you want to read.

1. Terms of Service: [www.skype.com/tos](http://www.skype.com/tos)
2. End User License Agreement: [www.skype.com/eula](http://www.skype.com/eula)
3. Skype Privacy Policy: [www.skype.com/privacy](http://www.skype.com/privacy)

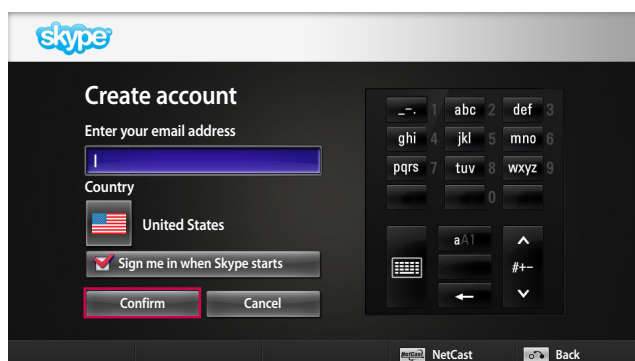
# USING Skype

## CREATE ACCOUNT / SIGN IN (CONTINUED)



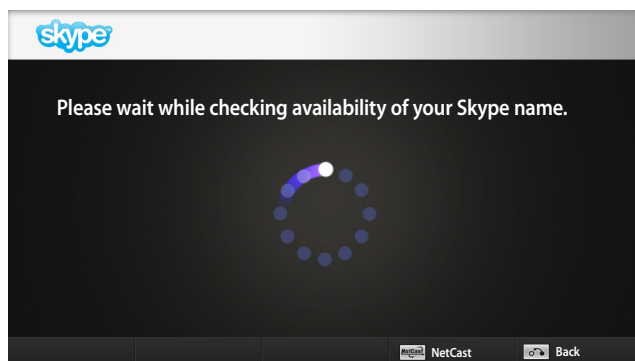
The 'Create account' screen in Skype. It features a dark background with the Skype logo at the top left. The main area contains four input fields: 'Full Name' (with a blue cursor), 'Skype Name' (with a note 'Between 6 and 32 characters'), 'Password' (with a note 'Between 6 and 20 characters'), and 'Repeat password'. Below these fields are 'Continue' and 'Cancel' buttons. On the right side, there is a numeric keypad and a QWERTY keyboard. At the bottom, there are logos for 'NetCast' and a 'Back' button.

Type your full name. A Skype name is then automatically Suggested.



The 'Create account' screen in Skype, showing the next step. The 'Full Name' field is now filled with 'Enter your email address'. The 'Country' dropdown menu is open, showing 'United States' with a US flag. Below the country selection is a checkbox labeled 'Sign me in when Skype starts' which is checked. The 'Confirm' button is highlighted with a red border. The 'Cancel' button is also visible. The numeric keypad and QWERTY keyboard are on the right. The 'NetCast' logo and 'Back' button are at the bottom.

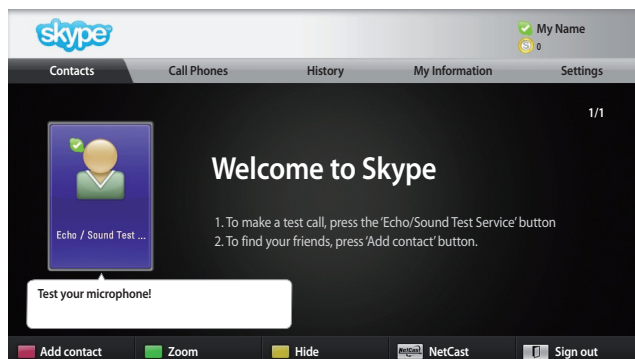
Type in your email address. Select your country, then press "**Confirm**".



A screen with a dark background and the Skype logo at the top left. The text 'Please wait while checking availability of your Skype name.' is centered. Below the text is a circular progress indicator with a white dot at the top. At the bottom, there are logos for 'NetCast' and a 'Back' button.

This screen checks whether your Skype name is available.

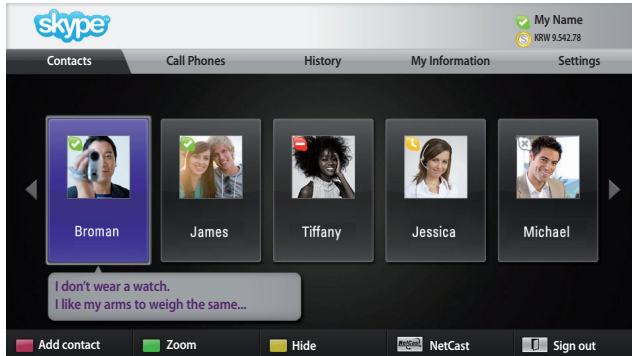
If it is not available, you can choose your Skype name from the list of suggestions. You can also enter a new name if you click on the "**Different Skype name**" menu.



The 'Welcome to Skype' screen. It has a dark background with the Skype logo at the top left. The top navigation bar includes 'Contacts', 'Call Phones', 'History', 'My Information', and 'Settings'. The main area features a large 'Welcome to Skype' text, a 'Test your microphone!' button, and a list of instructions: '1. To make a test call, press the 'Echo/Sound Test Service' button' and '2. To find your friends, press 'Add contact' button.' At the bottom, there are buttons for 'Add contact', 'Zoom', 'Hide', 'NetCast', and 'Sign out'. The 'My Name' status is shown at the top right.

If the Skype name is available, "**Welcome to Skype**" will appear.

# Skype MENU



## Contacts

This is the list of contacts in your contact list. For more details about how to make a call, refer to pages 9 and 10.

### ! NOTE:

- ▶ The maximum number of contacts that can be stored is limited by the storage capacity.
- ▶ If there are more than 500 contacts, the list's performance and stability may be affected.
- ▶ Contacts can be arranged in alphabetical order.



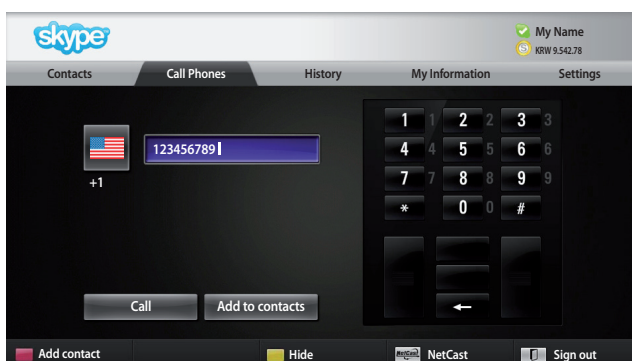
## Add Contact

When pressing the **RED** button on the remote control while on the contact list, the following screen appears. This allows you to search or add users.

Press the "**Find**" button to start a search, or press the "**Cancel**" button to return to the previous menu.

### ! NOTE:

- ▶ Search results will be in alphabetical order.



## Call Phones

Select the country you would like to call and enter a phone number. Now select "**Call**".

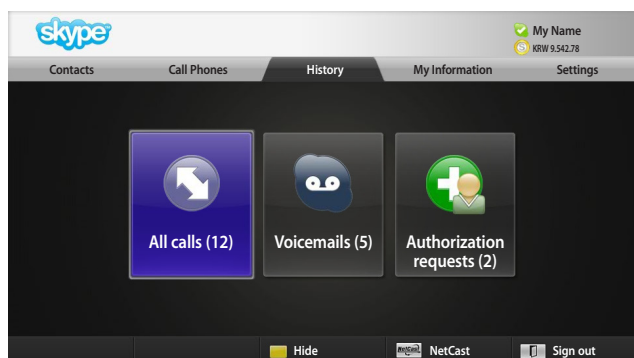
### ! NOTE:

- ▶ To use Call Phones, you will need **Skype Credit**. For more details, visit the Skype homepage ([www.skype.com](http://www.skype.com)).



# USING Skype

## Skype MENU (CONTINUED)

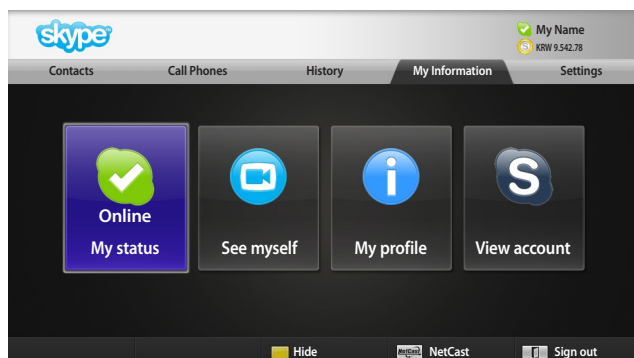


### History

This lists All calls/Voicemails/Authorization requests. By selecting 'All calls,' you can check your Incoming/outgoing/missed calls.

You can check the received event list by selecting 'Voicemails' or 'Authorization requests'.

The numbers on the right side of each item indicate the number of unchecked items.

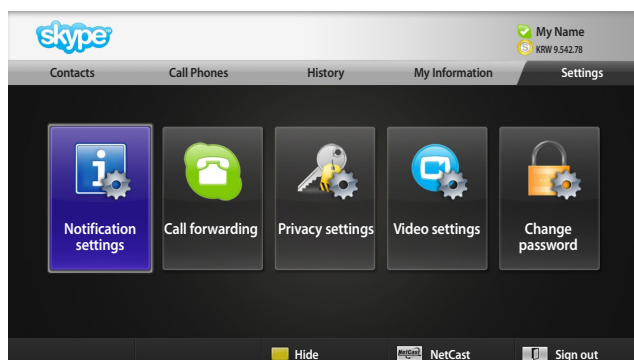


### My Information

The information menu consists of 'My status,' 'See myself,' 'My profile' and 'View account'.

#### ! NOTE:

- ▶ The maximum number of photos that can be saved using Snapshot is limited.



### Settings

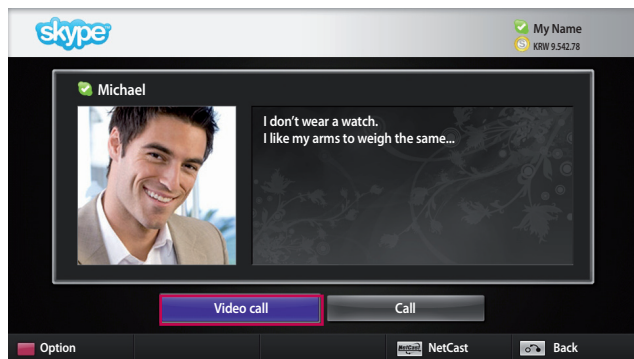
The settings menu includes 'Notification settings,' 'Call forwarding,' 'Privacy settings,' 'Video settings' and 'Change password'.

#### ! NOTE:

- ▶ It may take several minutes for applying the new setting value.



# MAKE A VIDEO CALL TO THE CONTACT



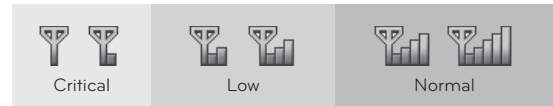
Select a contact from your contact list.  
Press the **"Video call"** button.

## ! NOTE:

- ▶ It can take from a few seconds to several minutes for a call to be connected to the party.
- ▶ It is not able to support more than two lines at the same time.

- 1 **End call** : Ends the call.
- 2 **Hold call** : Holds the call until the **"Resume call"** button is pressed.
- 3 **Stop my video** : Your video disappears, and the connected party cannot watch it either.
- 4 **Screen mode** : Changes video window.
- 5 **Camera zoom in/out** : Zooms the video in or out.
- 6 **Mute microphone** : Mutes the microphone, and the connected party cannot hear your voice either.
- 7 **Call quality information** : Video quality will be affected by downstream network conditions.

- **Critical**: Very slow internet access.
- **Low** : Slow internet access.
- **Normal**: Fast internet access.



# USING Skype

## MAKE A CALL (VOICE ONLY) TO A CONTACT



Select a contact from your contact list.

Press the **"Call"** button.


Once a contact's phone number is registered, you can select among the contact's Skype name and phone numbers.

### ! NOTE:


- It can take from a few seconds to several minutes for a call to be connected to the party.

1 **End call** : Ends the call.

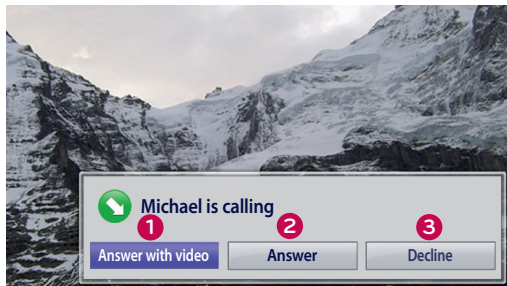
2 **Hold call** : Holds the call until the **"Resume call"** button is pressed.

3  **Start my video** : Shares your video with the connected party.

4  **Display dial pad** : Opens a numerical keypad.

5  **Mute microphone** : Mutes your audio. The connected party can not hear your audio.

## RECEIVING A CALL



When someone calls while you are watching TV, a message appears on the bottom right of the screen.

1 **Answer with video** : Receive the call with video (stops the TV).

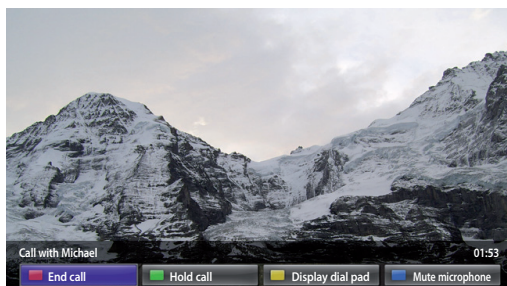
2 **Answer** : Receive the call while continuing to watch TV.

3 **Decline** : Do not receive the call, and continue watching TV.

### ! NOTE:


- Set your status to "do not disturb" to prevent Skype pop-ups.
- If the incoming call is a conference call, the "Answer with Video" option is not available.

## CALL WHEN WATCHING TV



When someone calls while you are watching TV, pressing **"Answer"** will mute the TV audio but will not interrupt the video. After the call is finished, the TV audio will automatically resume.

## TROUBLESHOOTING

For the problems listed below	Check the following areas
If Skype doesn't start	<ul style="list-style-type: none"> <li>■ Check whether the Video Call Camera is properly connected to the USB port on the TV.</li> <li>■ Check the network connection status.</li> </ul>
If the Notification Window is not displayed when a call is received	<ul style="list-style-type: none"> <li>■ Check that your status is not set as "Do not disturb".</li> <li>■ When using certain TV functions, incoming calls can't be received (e.g. during a software update, etc.).</li> <li>■ Check 'Privacy Settings' is "Allow calls from people in my contact list only".</li> </ul>
If there's echo (e.g. when you hear your own voice played back through the speakers)	<ul style="list-style-type: none"> <li>■ Position the Video Call Camera at the top-center of your TV.</li> <li>■ Change the home theater audio setting to stereo rather than surround.</li> <li>■ Reduce the speaker volume.</li> <li>■ When the other party is not using an LG TV, we recommend that they use a headset.</li> <li>■ Too much echo in the room can decrease audio quality.</li> <li>■ Test microphone using the 'Echo / Sound Test Service'.</li> </ul>
If you're not able to receive any video or if it is of low quality	<ul style="list-style-type: none"> <li>■ Internet or network congestion can degrade video quality.</li> <li>■ Using wireless can also degrade video quality. We recommend using a wired internet connection.</li> <li>■ Screen quality can decrease when using Zoom-In. We recommend you use minimum zoom during video calls.</li> <li>■ Check whether the call quality information is marked as "critical". If this is the case, video quality can be degraded.</li> <li>■ If your Video Call Camera doesn't function well, turn off your TV. Turn on your TV again and restart Skype.</li> </ul>
If the call ends abruptly	<ul style="list-style-type: none"> <li>■ When certain TV functions are activated, the call may be disconnected. (e.g. Sleep timer, etc.)</li> <li>■ Do not unplug the Video Call Camera during a call.</li> </ul>
If the Skype menu does not appear on the  menu	<ul style="list-style-type: none"> <li>■ Check whether your TV supports the Video Call Camera (see page 2).</li> <li>■ Connect the camera to your TV, then update the software. For details about how to update the software, refer to your TV manual.</li> </ul>
Other issues	<ul style="list-style-type: none"> <li>■ Issues may arise from network congestion or problems with the Skype network.</li> <li>■ For further inquiries about Skype functions, visit <a href="http://www.skype.com">www.skype.com</a>.</li> </ul>

## PRODUCT SPECIFICATIONS

MODELS		AN-VC200 (Video Call Camera)	
Dimensions (Width x Height x Depth)		210 mm x 32 mm x 85 mm (dongle only) (8.26 inch x 1.25 inch x 3.34 inch)	
Weight		140 g (0.30 lb) (dongle only)	
Video	Lens	Focus	15cm ~ 5m
		Field of Vision	57° in diagonal
	Effective pixels	1280 x 720	
	Output format	H.264: VGA, QVGA, QQVGA YUV: VGA, QVGA, QQVGA	
Audio	Microphone	4 microphones	
Interface		USB	
Environmental conditions	Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)	
	Operating Humidity	Less than 80%	
	Storage Temperature	-20 °C to 60 °C (-4 °F to 140 °F)	
	Storage Humidity	Less than 85%	

- The specifications shown above may be altered without prior notice to improve quality.

 Video calls through an LG TV cannot be made using the following devices:

- ASUS Skype Video Phone Touch SVITS
- ASUS Skype Videophone Touch SV1TW
- AIGURU\_SV1 Skype Video Phone

\*The list of devices that are not supported may be amended without prior notification.



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.

**Note**

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. However, there is no guarantee 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:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment under FCC rules.

**Warranty period**

1 year. If it proves to be defective with regards to the materials or workmanship under normal operating conditions during the warranty period, please contact the retailer where you purchased it. This warranty is only valid for the original purchaser of the product and is only effective locally.