



**Mobile Satellite TV Antenna  
With FastFind Remote**

**Operating Manual**

Made in the USA

1. INTRODUCTION and BACKGROUND.....	3
2. COMPENT OVERVIEW and SPECIFICATIONS.....	4
3. FCC USER'S INFORMATION.....	5
4. OPERATION .....	6-7
6. TROUBLESHOOTING .....	8
7. MAINTENANCE .....	8
8. LIMITED WARRANTY .....	8

## Introduction

Congratulations on your purchase of the Vu Qube PORTABLE. The Vu Qube PORTABLE is equipped with a FastFind remote enabling you to quickly position the Vu Qube antenna from inside your vehicle. The Vu Qube PORTABLE is compatible with any service provider such as DIRECTV®, DISH Network® or Bell ExpressVu.

This manual includes a:

- Brief background on satellite television
- Components overview
- Operating Instructions

The Satellite Broadcast Market is changing and expanding. The information in this manual was accurate at the time of printing. If the Vu Qube does not operate as shown in this manual, please call Wallace Technologies at 1-866-802-2228 or email us at [info@vuqube.com](mailto:info@vuqube.com).

## Technical Support

**Phone:** (866) 802-2228

**Email:** [info@vuqube.com](mailto:info@vuqube.com)

**Web:** [www.vuqube.com](http://www.vuqube.com)

A Quick Reference guide is included with Operating Instructions & Elevation information that we suggest you keep with the Vu Qube Controller or near your Satellite TV receiver.

## Background

Satellites used for television signals are 22,300 miles (37,000 km) above the earth's equator. The purpose of the Vu Qube is to acquire the signal traveling that great distance and transmit the signal to your digital receiver in your vehicle so you can watch TV anywhere you park.

Satellite television, like other communications relayed by satellite, starts with a transmitting antenna located at an uplink facility on Earth. The uplink dish is pointed toward a specific satellite and the uplinked signals are transmitted. The signal transmitted to the satellite is within a specific frequency range and is received by one of the transponders tuned to that frequency range aboard that satellite. The transponder then transmits the signals back to Earth but at a different frequency band (to avoid interference with the uplink signal). The leg of the signal path from the satellite to the receiving Earth station, in this case the Vu Qube, is called the downlink.

The downlinked satellite signal, quite weak after traveling the great distance is received by the Vu Qube antenna, which reflects the weak signal to a focal point that gets transferred to a feedhorn. **The receiving antenna must have a clear view, without obstruction, of the southern sky to maximize signal acquired.** This signal is then amplified and converted by the LNBf (Low-noise block converter feed) to a signal that is sent via a co-axial cable to the receiver. Once the signal is transmitted from the Vu Qube to your receiver, you can enjoy all of your programming in your vehicle just like at home!

## Vu Qube PORTABLE Component Overview

Manual



Quick Reference Guide



Vu Qube Antenna



Vu Qube FastFind Remote



RG6 Coaxial  
Cable (20')



### Items needed to watch TV

Satellite TV service  
Satellite TV receiver  
Television

### SPECIFICATIONS

<b>Height:</b>	17.5"
<b>Width:</b>	16"
<b>Weight:</b>	10.5 lbs
<b>Range:</b>	US/Southern Canada
<b>Compatibility:</b>	DirecTV, Dish Network, Bell ExpressVu, Free-to-air receivers
<b>Operating Temp:</b>	May experience difficulty positioning antenna when temperatures are below 0°F

## FCC User Information

### Main Components

#### **Vu Qube PORTABLE Antenna**

Part #: VQV10P  
FCC ID: UUM10156V10  
IC: 6873A -10156V10



This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:  
1) This device must not cause harmful interference, and 2) This device must accept interference received including interference that may cause undesired operation.

#### **Vu Qube PORTABLE Remote**

Part #: VQV10RP  
FCC ID: UUM10157V10  
IC: 6873A -10157V10



This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:  
1) This device must not cause harmful interference, and 2) This device must accept interference received including interference that may cause undesired operation.

**Please note that changes or modifications to the Vu Qube PORTABLE or Vu Qube remote not expressly approved by Wallace Technologies could void the purchaser's or user's authority to operate this equipment.**

**This device must not be co-located with other transmitters to ensure compliance with FCC RF exposure requirements.**

The Vu Qube PORTABLE and Vu Qube PORTABLE remote have 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 instruction, may cause harmful interference to radio communications. However, there is no guarantee that the 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 the receiver.
- Connect the equipment into 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.

## Vu Qube PORTABLE Operation

- **IMPORTANT! CLEAR LINE OF SIGHT** for Vu Qube Antenna to the **SOUTHERN SKY REQUIRED**. Physical obstruction (i.e., smokes stacks, buildings, trees, telephone poles, etc.) can block the satellite signal from reaching the antenna.
- Satellite TV and receiver technology are constantly changing. If you experience difficulty contact (866) 802-2228.

### Set-up

1. Place Vu Qube PORTABLE on stable surface, making sure the unit has a clear view of the southern sky
2. Connect coaxial cable to Vu Qube PORTABLE coaxial connector
3. Make sure coaxial connector is connected to “Satellite In” port on Satellite TV Receiver.

### Finding the Satellite and Acquiring a Signal

NOTE: Satellite Receiver and TV MUST be ON

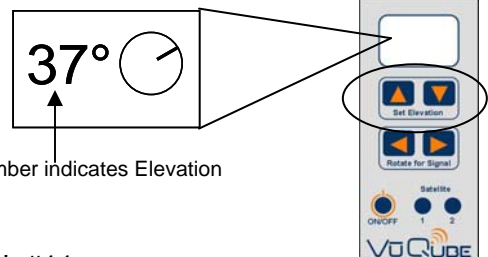
#### 1. Determine Dish Elevation

Options: Enter Zip Code in System Set-up on receiver

-or-

Use Quick Reference Maps to estimate Elevation

#### 2. Position Antenna to proper Elevation using Up/Down arrows on Vu Qube Remote.



#### 3. Go to the signal meter screen on TV.

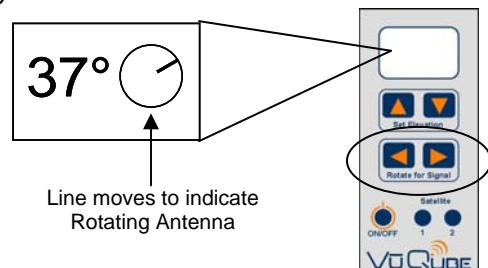
Choose transponder number:

Dish Network #11

DirecTV #19

#### 4. Rotate Antenna using Left/Right arrows on Vu Qube remote until signal appears on Signal Meter screen.

NOTE: When rotating line is straight up, the antenna is pointing directly away from coaxial connector on the Vu Qube.



#### 5. Fine tune and maximize signal using all 4 arrows.

### **Satellite Position Memory**

**TO STORE POSITION:** Hold down either the Satellite 1 or Satellite 2 button for at least 2.5 seconds. The LCD will show "P1" or "P2" when button is released.

**TO RECALL POSITION:** Hold down either the Satellite 1 or Satellite 2 button for less than 2.5 seconds. The LCD will "r1" or "r2".

**TO CANCEL RECALL:** Press any arrow button to stop moving to a stored position.

## Troubleshooting

If you cannot lock-on to the correct satellite, it is most likely that an object is blocking the signal. If this is the case, move the vehicle to have an unobstructed view of the southern sky.

ERROR CODES	Problem	ACTION
E0	Remote is unable to send commands to Antenna	<ul style="list-style-type: none"><li>• Make sure RECEIVER is turned ON</li><li>• Make sure Coax from Antenna is attached to Receiver</li><li>• Move remote closer to Antenna</li></ul>
E1	Remote is unable to receive response from Antenna	Move remote closer to Antenna
E2	Miscommunication between remote and antenna	<i>Call Wallace Technologies @ 866-802-2228</i>

## Maintenance

The Vu Qube has been designed to be maintenance and trouble free. For optimum signal strength, keep the cover clean from dirt, bugs, and other debris. Periodic washing of the top cover with mild soap and water is recommended.

If you plan on storing your vehicle for long periods of time, it is recommended that the system be put through a search procedure on a quarterly basis to keep all moving parts in good working order.

If you have any comments or questions, please contact Wallace Technologies at (866) 802-2228, or email at [info@vuqube.com](mailto:info@vuqube.com).

## Limited Warranty

Every Vu Qube is thoroughly inspected and tested before leaving the factory and is covered by **a one year parts** from the date of original purchase. This warranty does not cover installation and external wiring or refurbished units.

Should any trouble develop during the warranty period, contact Wallace Technologies. Only Wallace Technologies and certified dealers are authorized to perform warranty evaluations and repairs.