

# Online interactive course GVF 503G

# Gilat SkyEdge II VSAT Installation

## Advanced Gilat-Specific Training

Learn key aspects of how to install, commission, operate, and troubleshoot Gilat SkyEdge II series VSAT terminals through this online, self-paced, 3-D animated, highly interactive, simulator-driven course. Topics covered include remote hardware options, approved IFL cables and connectors, web interface, commissioning processes, antenna pointing, and troubleshooting steps and tools.

This course is appropriate for all installers and field technicians who may be responsible for activating SkyEdge II terminals, as well as support staff who interact with field technicians or those who simply need a solid introduction to the Gilat SkyEdge II network.

## Certification

On-line certification training endorsed by Gilat is available exclusively from the Global VSAT Forum. Students who complete GVF503G along with the prerequisite online fundamentals courses and the GVF Hands On Skills Test will receive the Gilat-endorsed GVF Gilat SkyEdge II Remote Terminal Installation Specialist Certification and are eligible to be listed in GVF's public Certified Installers database.

## SkyEdge II IDU family



SkyEdge II IP



SkyEdge II Extend



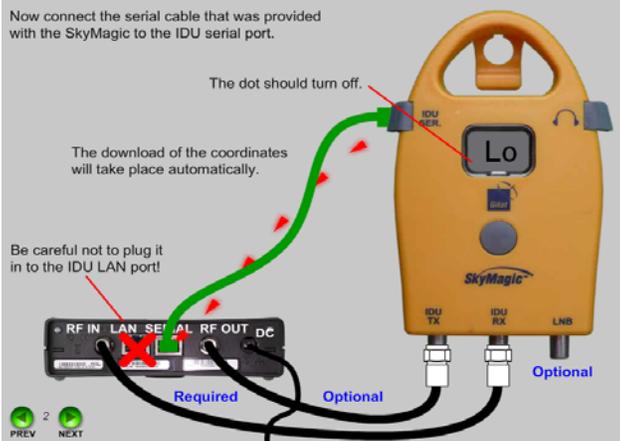
SkyEdge II Access



SkyEdge II Pro

## Transferring GPS coordinates from SkyMagic

Now connect the serial cable that was provided with the SkyMagic to the IDU serial port.



## Find the satellite

To help you visualize what the beams are doing in the sky as you point the dish, the "sky view" is shown below.

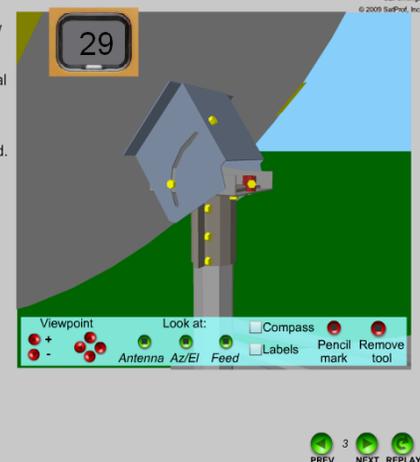
Unfortunately, you can't see the beam and satellites in real life, but our simulator can show graphically where the beam lies compared to the satellites' positions.

The beam is shown as two contour shapes, green and red.

**Any satellite falling within the red zone will experience significant interference from your uplink signal!**

At the edge of the red shape, the signal is reduced 20 dB from peak (1% of the power).

At the edge of the central green shape, the signal is reduced by 3 dB from peak (50% of the power). The signal will be strong enough to find, but not at its maximum.



**Global VSAT Forum**  
The association of the global satellite industry.

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**SatProf, Inc.**  
Animated, interactive technically-accurate online training for satellite professionals.

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## GVF Certification

*GVF's award-winning VSAT Installation Certification training program is delivered via a combination of online, interactive, simulator-driven training modules developed by SatProf, Inc. ([www.satprof.com](http://www.satprof.com)) and formal hands-on skills testing, all managed through the GVF training portal at [www.gvf.org/training](http://www.gvf.org/training). Hands-on skills testing and supplementary classroom sessions are supported by GVF Instructors and Regional Training Centers located in every major region of the world.*

## GVF 503G Course Specifications

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**Summary:** Intensive Gilat SkyEdge II specific training covering network theory and step-by-step remote terminal installation and commissioning procedures. Animation and simulator-based interactivity are used throughout the course to explain critical skills and concepts.

**Certification:** Students who pass this course and hold GVF Advanced VSAT Installer Certification will receive the GVF Gilat SkyEdge II Remote Terminal Installer Specialist Certification.

**Prerequisites:** GVF courses 510, 520, and 521.

**Duration:** Contains over 100 animated & interactive pages, requiring 5-15 hours study. Includes review quizzes and final test.

**Reference materials included:** Students may download and keep the exclusive SatProf "Gilat SkyEdge II Terminal Installation Handbook," in addition to various Gilat manuals and guides.

**Delivery:** Animated & interactive HTML/Flash, self-paced, on-line format. Requires Internet access while studying the course material. High speed access is preferred but is NOT required. Student's computer must be capable of running the Adobe Flash player, version 10.

### Contents:

1. Learning system orientation
2. Course introduction
3. The Gilat SkyEdge II system architecture and VSAT hardware
4. Using SkyManage and LED indicators
5. Preparation and equipment assembly
6. Finding the satellite
7. Accurate antenna pointing
8. Setting the VSAT location with SkyMagic
9. Activation
10. Cross-pol adjustment technique
11. Finishing the job
12. Troubleshooting
13. Final exam

### Learning Objectives:

1. Understand the principles of a SkyEdge II network.
2. Compare different models of SkyEdge II IDU's.
3. Identify and assemble all components in a SkyEdge II terminal.
4. Know what external user equipment can be connected to a SkyEdge II terminal.
5. Configure and activate a SkyEdge II terminal.
6. Find and accurately point a typical antenna using the SkyMagic meter.
7. Commission and activate a SkyEdge II terminal.
8. Accurately set cross-pol using three different methods.
9. Troubleshoot common SkyEdge II installation problems.



**Global VSAT Forum**  
The association of the  
global VSAT industry.  
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For further information, fees, schedules,  
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