TracNet 100 Quick Setup Guide

Congratulations! You have chosen the KVH TracNet™ 100 Mobile Internet Receiver, your gateway to Microsoft's MSN® TV service and the Internet when you're on the go. This guide provides basic setup instructions to get you up and running in just a few minutes.

For detailed installation, setup, and troubleshooting information, refer to the *TracNet 100 User's Guide*. For complete instructions on using the MSN TV service, refer to the *MSN TV User Guide*.

⚠ Before you install the TracNet 100, you need to order your **FREE**, preactivated Verizon EVDO card (model KPC650) from KVH.

TracNet 100 will not work without this card! Refer to the *Activation Card* for ordering details.

TracNet 100 Internet Receiver – Rear Panel

Do Not Remove!

1 Install the EVDO Card

The EVDO card provides the cellular link to Verizon's broadband network. Ensure power is **not** connected to the TracNet 100 receiver. Then insert the EVDO card into the receiver's PC card slot. The metal bracket beneath the slot will help protect the card.

2 Install the External Antenna

The external antenna and booster amplify the cell signal to improve performance. Four different antenna kits are available. Refer to Section 2.3 of the *User's Guide* for installation details for your particular model.

Antenna installation tips:

- Mount the antenna in the highest possible location, away from any obstructions or other antennas.
- Seal the cable access hole with silicone sealant or equivalent (if applicable).

3 Connect the Booster

1. Pull back the rubber cover on the back of the EVDO card to access the antenna ports. Plug the cell adapter cable into the right-hand port.

2. Connect the other end of the cell adapter cable to the booster's "Cell Phone" jack.

3. Connect the antenna cable from the external antenna to the booster's "Antenna" jack.

4. Connect the small plug end of the power "Y" cable to the booster's "12 VDC" jack. Later, you will connect the other ends of the power cable to the receiver and vehicle/vessel power.

5. Set the booster's On/Off switch to "On."

Antenna   Booster   Cell Adapter Cable   EVDO Card

Antenna Jack

Cell Phone Jack

Use port on the right!

Booster

Power Light

On/Off Switch

on/off

Antenna

12 VDC

Power Jack
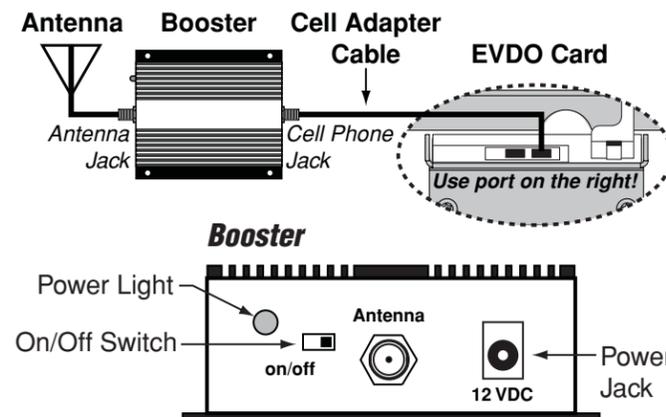
4 Install the IR Extender

The MSN TV wireless keyboard and remote control need to point at the receiver's IR eye to send commands. The IR extender allows you to mount the eye remotely and hide the receiver in a cabinet.

1. Plug the IR extender cable into the receiver's "IR Extender Input" jack.

2. Position the IR extender's eye in a location within direct line-of-sight to the wireless devices.

5 Connect Your TV

TracNet 100 comes with standard audio/video cables. *(If your TV has an S-Video or VGA jack, you may use those jacks on the receiver instead.)*

1. Connect the red and white cables from the receiver's "Audio R" and "Audio L" jacks to your TV's audio inputs.

2. Connect the yellow cable from the receiver's "Video" jack to your TV's video input.

Audio Cables

Red

White

Video Cable

Yellow
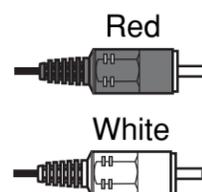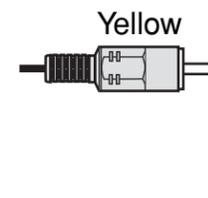
6 Connect the WiFi Antenna

The WiFi antenna allows you to connect a laptop computer wirelessly to the TracNet 100.

1. Attach the WiFi antenna to the receiver's "Wi-Fi Antenna" jack. Screw down the base to secure.

2. Adjust the antenna upward for best reception.

7 Connect Power

The TracNet 100 receiver requires a 12 volts DC power input supporting 25 watts.

⚠ Before you connect the power wires, shut down vehicle/vessel power. *If installing on a car, remove the battery's negative lead.*

1. Connect the large plug end of the power "Y" cable to the receiver's "Power" jack. *The small plug end should be connected to the booster.*

2. Connect the power cable's wires to a dedicated 12 VDC circuit. Connect the black negative wire to ground, and connect the red positive wire to +12 VDC. *If installing on a car, connect the black wire to a pillar ground screw and the red wire to switched (accessory) power.*

8 Install Batteries in Remote & Keyboard

1. **Remote Control**: Install the two AAA batteries.

2. **Keyboard**: Pull the white tab on the back of the keyboard to remove the protective plastic from the battery compartment. Four AA batteries are already installed. Remove the protective plastic from the IR window at the front of the keyboard.

Remote   Keyboard

The basic installation is complete! The reverse of this guide explains how to turn on the system and connect a laptop.

Getting Started with MSN TV

Follow the steps below to turn on the system and start using the MSN TV service.

1. Apply vehicle/vessel power.

2. Press the receiver's front panel power switch.

   The receiver's #1 "Activity" light should be lit green. If this light is off, check the short Ethernet patch cable on the back of the receiver.

   The receiver's "Power" light should come on or start flashing green. If this light is off, press the **MSN Power** button on the remote or keyboard.

⌐ MSN Power Button ¬

3. Turn on your TV.

4. Wait about two minutes for the MSN TV service to start up. During startup, the TV will show an MSN TV bootup screen. Then **the screen will go totally blank for 30 seconds** before the MSN TV Welcome screen appears.

msntv

Welcome
The following pages will help you register for the MSN® TV Service. After you've registered, you'll be on your way to exploring the Internet and e-mail with MSN TV.

The next page will teach you how to use your keyboard to get around on the MSN TV Service.

When you're ready to begin registration, press **OK** on your keyboard.

Continue

5. Now you need to create your MSN TV account. Using the remote or keyboard, select **Continue** and follow the steps on the screen. You must enter your MSN TV promotion code when prompted. This promotion code, which you received during activation, will personalize your MSN TV service for your mobile environment and ensure the correct software is loaded into your system.

   Refer to Section 3.1 of the *User's Guide* for details.

Connecting a Computer – Wired

1. Turn off the power switch on the TracNet 100 receiver's front panel and power off your laptop.

2. Connect a straight (not crossover) Ethernet cable from your computer to one of the available RJ45 ports on the receiver (2, 3, or 4). Do not disconnect the patch cable from port 1.

3. Turn on the TracNet 100 receiver, wait two minutes, then turn on your computer.

4. Configure your computer's LAN connection to obtain IP/DNS server addresses automatically.

Refer to Section 4.1 of the *User's Guide* for details.

Connecting a Computer – Wireless

1. Turn off the power switch on the TracNet 100 receiver's front panel and power off your laptop.

2. Make sure the WiFi antenna is connected.

3. Turn on the TracNet 100 receiver, wait two minutes, then turn on your computer.

4. Enable your computer's wireless card and connect to the "KR1" wireless network.

Refer to Section 4.2 of the *User's Guide* for details.

Protecting Your Network Connection

To block intruders from "piggybacking" on your connection, and optimize data speeds, establish basic security settings on TracNet 100, even if you are using MSN TV. Just run the router setup wizard, which walks you through the process step-by-step.

KVH

Welcome to the KR1 Setup Wizard. The Wizard will guide you through these four quick steps. Begin by clicking on **Next**.

Step 1. Set your new password
Step 2. Choose your time zone
Step 3. Set Internet connection
Step 4. Set wireless LAN connection
Step 5. Setup Encryption
Step 6. Restart

Next   Exit
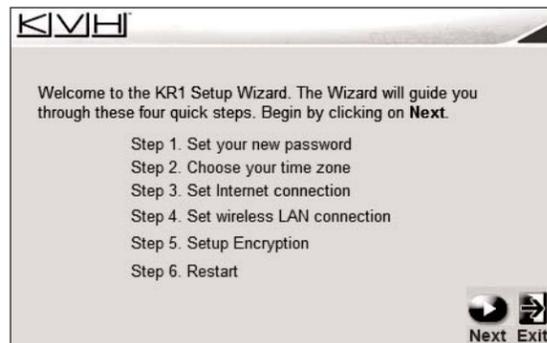
From MSN TV Sign In Page: Go to Settings>Choose Connection Setting>Configure Router. Then select IP address 192.168.0.1 and select Access Router. **From a PC**, enter http://192.168.0.1 in the browser.

When finished, turn the receiver off then back on.

Refer to Section 4.3 of the *User's Guide* for details.

TracNet 100 Internet Receiver Computer Connections

← WiFi Antenna

Do Not Remove!

Ethernet Ports

4 3 2 1
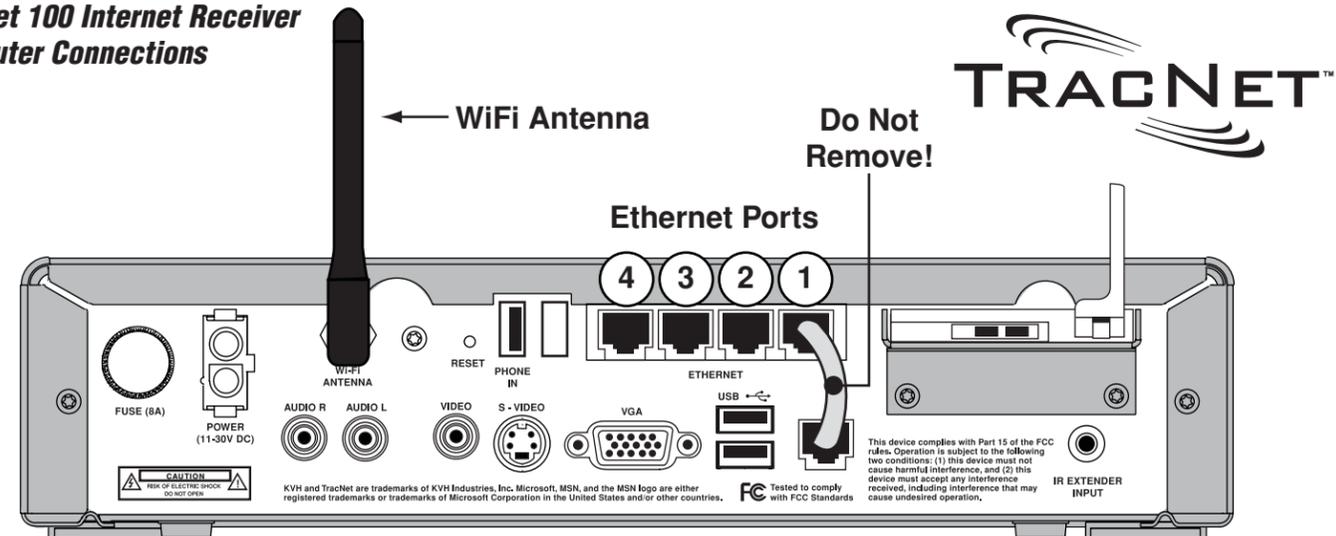
TracNet

TracNet 100 Internet Receiver – Front Panel

Power Light   #1 Activity Light   Power Switch

54-0352 Rev. B
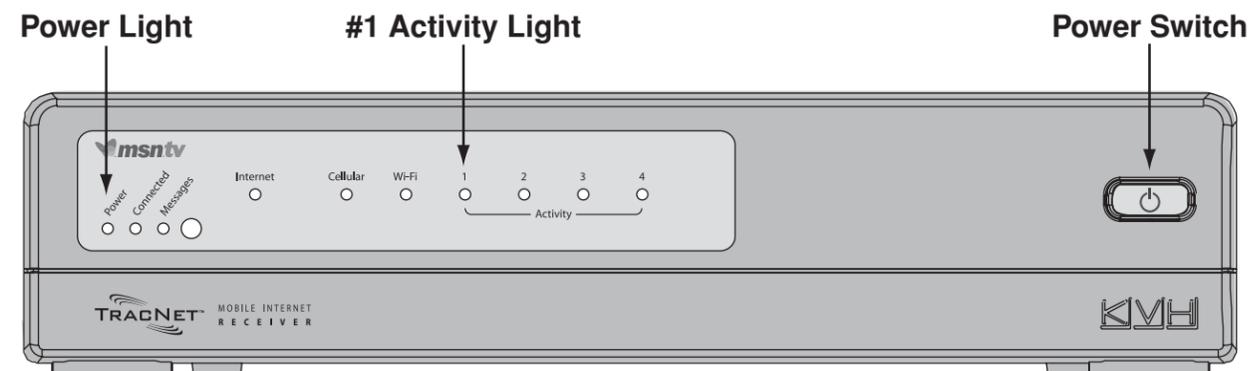
Mounting the Receiver

Mount the receiver in a dry, well-ventilated area away from heat sources or electrical devices that generate RF noise (e.g., microwave, plasma TV, or motor). Do not block the receiver's vents. Ensure both front/back panels are accessible to the user.

1. Attach the two mounting brackets to the receiver's side vents using #2-56 screws.

2. Secure the brackets to the mounting surface using appropriate ¼" fasteners.

Receiver Mounting

¼" Fasteners x 4
(not supplied)

Bracket
#2-56 Screws x 3
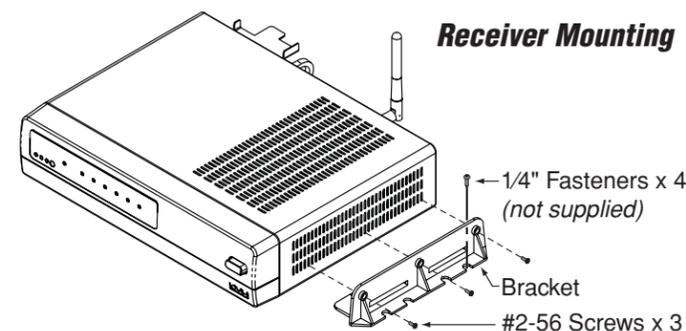
Troubleshooting

If you experience a problem with the TracNet 100 system, first check the following:

• Check the signal strength bars on the MSN TV screen. If you have no bars, you are outside the coverage area of the nearest cell tower.

• Check the batteries in the remote or keyboard.

• Check the connections on the receiver rear panel.

• If you are using a computer, check the computer's network connection (enabled?).

Refer to Section 5 of the *User's Guide* for details.

Technical Support

If you need help, please contact KVH Technical Support:

Tel: 866-399-8509 (Mon-Fri 9 a.m.-6 p.m., Sat. 9 a.m.-2 p.m. ET)
E-mail: techs@kvh.com

KVH Technical Support supports Windows 2000/XP only for wired computer connections and supports Windows XP only for wireless computer connections.