

GXM 30[®]

XM Radio Smart Antenna

owner's manual



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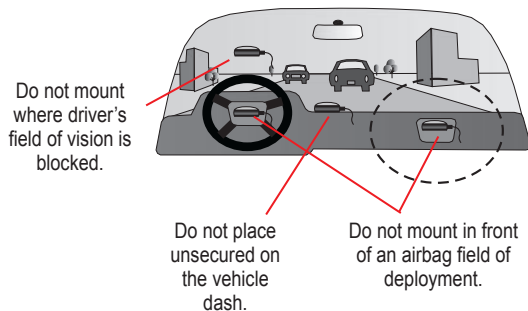
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Warning

Failure to avoid the following potentially hazardous situations could result in an accident or collision resulting in death or serious injury.



When installing the GXM 30 in a vehicle, place the unit securely so that it does not interfere with vehicle operating controls or obstruct the driver's view of the road (see diagram).

When navigating in an aircraft, use the GXM 30 only as an aid for VFR navigation. Use weather data only as an aid to situational awareness.

This unit contains magnets which may cause compass deviation.

This product, its packaging, and its components contain chemicals known to the State of California to cause cancer, birth defects, or reproductive harm. This Notice is being provided in accordance with California's Proposition 65. If you have any questions or would like additional information, please refer to our Web site at <http://www.garmin.com/prop65>.



Caution

Failure to avoid the following potentially hazardous situations may result in injury or property damage.

Use the GXM 30 only as a navigational aid. Do not attempt to use the GXM 30 for any purpose requiring precise measurement of direction, distance, location, or topography. This product should not be used to determine ground proximity for aircraft navigation.

Notice to State of California Drivers: California Vehicle Code Section 26708 (a) (1) provides that “No person shall drive any motor vehicle with any object or material placed, displayed, installed, affixed, or applied upon the windshield or side or rear windows.” Drivers in California should not use the suction mount on their windshield or side or rear windows. Garmin does not take any responsibility for any fines, penalties, or damages that may be incurred as a result of disregarding this notice.

INTRODUCTION

Preface

Congratulations on choosing one of the most advanced weather systems available! The GXM 30 XM Radio Smart Antenna provides graphical and textual marine, aviation, and automotive XM WX weather information that can be viewed on your Garmin unit. Operation of the GXM 30 XM Radio Smart Antenna requires a subscription to the XM WX Satellite Weather service. Additionally, the GXM 30 XM Radio Smart Antenna offers music, news, and talk programming capability with a subscription to the XM Radio service. Hardware and XM subscriptions are sold separately.

This manual covers the XM WX Weather and XM Radio features of the GXM 30 XM Radio Smart Antenna when viewed on a Garmin unit. To get the most out of your new system, take the time to go through this manual and the unit *Owner's Manual*. Operational procedures are found in the unit *Owner's Manual*. This manual discusses how to connect the GXM 30 XM Radio Smart Antenna, how to subscribe to XM WX Weather and XM Radio services, and provides detailed information about weather and audio features.

Terminology used throughout this manual

- This manual refers to the GXM 30 XM Radio Smart Antenna as the GXM 30.
- All Garmin products that are compatible with the GXM 30 are referred to as “Garmin unit” throughout this manual.
- This manual uses the term **Warning** to indicate a potentially hazardous situation, which, if not avoided, could result in death or serious injury.
- This manual uses the term **Caution** to indicate a potentially hazardous situation, which, if not avoided, may result in minor injury or property damage. It may also be used without the symbol to alert you to avoid unsafe practices.

Product Registration

Help us better support your equipment purchase by completing our online registration today! Have the serial number of your GXM 30 ready, connect to our Web site (www.garmin.com) and click the Product Registration link on the Home page. Record your serial number below for a quick reference.

Serial Number for GXM 30

Use this area to record the serial number (8-digit number located on the bottom of your unit) in case it is lost, stolen, or needs service. Be sure to keep your original sales receipt in a safe place or attach a photocopy inside the manual.

Serial Number:

--	--	--	--	--	--	--	--

www.garmin.com

XM WX Weather and XM Radio ID

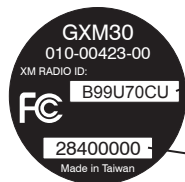
Use this area to record the radio ID numbers (8-digit number located on the Information sub tab of your unit) in case your unit is lost or stolen. XM Satellite Radio can deactivate these radio codes when you call.

XM Radio ID Number

--	--	--	--	--	--	--	--

www.XMWXweather.com

XM WX Satellite Weather Listener Care Center
800-985-9200



XM Radio ID

Serial Number

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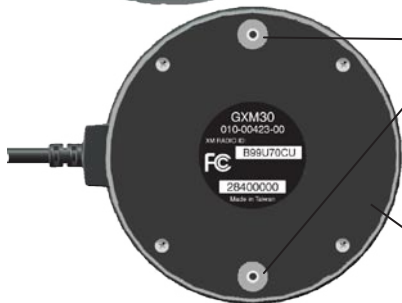
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Unit Overview

GXM 30 Radio Smart Antenna



USB Connector



Mounting Holes

Magnetic Base

GETTING STARTED

UNIT CARE

Cleaning - The unit's case is constructed of high quality material and does not require user maintenance other than cleaning. Clean the unit housing using a lightly-dampened cloth with a mild detergent solution and then wipe dry. Avoid chemical cleaners and solvents that may damage plastic components. Do not apply cleaner to the electrical contacts on the front of the unit.

Storage - Do not store the GXM 30 where exposure to temperature extremes may occur, as permanent damage may result.

SERVICING YOUR UNIT

The Garmin GXM 30 has no user-serviceable parts. Should you ever encounter a problem with your unit, take it to an authorized Garmin dealer for repairs.

The GXM 30 is fastened shut with screws. Any attempt to open the case to change or modify the unit in any way voids your warranty and may result in permanent damage to the equipment.

Connecting the GXM 30 to a Garmin Unit

Position the GXM 30 where it has a clear view of the sky. This can be on the outside of the vehicle or behind the windscreen of the vehicle. Connect the GXM 30 to the USB port on the Garmin unit.



Subscribing to XM WX Weather and Radio

With the GXM 30 connected, contact XM Satellite Radio to activate your XM WX weather and audio subscription service. Follow the instructions below. Complete Steps 1-3 BEFORE calling XM Satellite Radio:

Step 1: Check the System Setup

Make certain the GXM 30 is connected to the Garmin unit.

Step 2: Turn on your System

Place the GXM 30 where it has a clear view of the sky and turn on the Garmin unit. This automatically turns on the GXM 30.

Step 3: Identify Radio ID

On the Garmin unit, press the **MENU** key twice to display the Main Menu. A list of tabs appear down the left-hand side of the Main Menu. Using the **ROCKER** key, highlight the **XM** tab and select the **Information** sub tab.

Write down the Radio ID number. Have the ID number, your billing address and other billing information ready when you contact XM.

Select the Audio sub tab (it is next to the Information sub tab). Verify that XM Preview appears in the Radio Tuning box.

Step 4: Set up the XM Account

Contact XM by phone at **800-985-9200**. After providing the required information, the XM representative activates the account and sends out an XM signal to activate the GXM 30.

For answers to other XM questions you can call the above number or visit www.XMWXweather.com.

Step 5: Confirm all Components of your Service Package

XM WX Weather: Keep your Garmin unit turned on to ensure you receive the XM signal. The XM signal is being received when the components of the selected service package are displayed in the **Weather Products** list on the Information sub tab. Do not turn off the Garmin unit until the name of the selected service package is displayed in the **Service Level** field (see Step 6).

XM Radio: Highlight the **Audio** sub tab and verify that channels 7, 9, 47, and 122 are being received. This indicates that all channels on XM's basic radio service are being received. If within an hour the XM WX Weather and/or the XM Radio service has not activated, call XM WX customer care at **800-985-9200** to validate the activation of XM services. The customer care representative can refresh the activation signal or you can do this yourself a www.xmradio.com/refresh by entering your radio ID where requested.

Step 6: Save the Service Package

After the service package name appears in the **Service Level** field, turn off the Garmin unit.

Step 7: Add Features to your Unit

When you turn on the GXM 30 after completing Step 6, you are ready to add weather features to the unit's Map Page and set your new favorite channels.

XM Information



XM WX WEATHER FEATURES

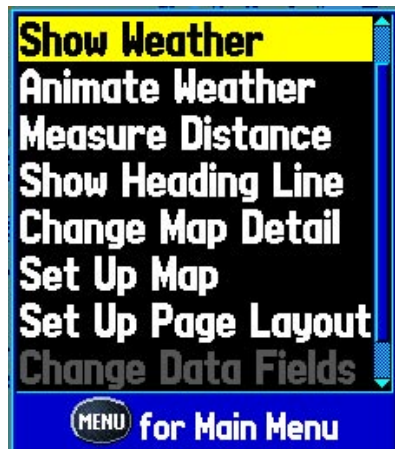
Displaying Weather Information

The GXM 30 receives XM WX Weather data and shows it on the Garmin unit's Map Page and other screens throughout the unit. The weather data for each feature comes from reputable weather data centers such as the National Weather Service and the Hydrometeorological Prediction Center. (See the XM WX Satellite Weather Web site at <http://weather.xmradio.com/weather> for more information.) Any weather feature can change in appearance or interpretation if the source that provides the information changes. XM WX Weather data is broadcast at set rates (See page 30 for all weather-related broadcast rates). For example, NEXRAD Radar data is broadcast at five minute intervals. When the Garmin unit is turned on or when a new feature is selected, the GXM 30 has to receive new data before it can be shown. You may experience a delay before weather data or a new feature appears on the map.

To display weather features on the Garmin unit's Map Page:

1. Press the **MENU** key.
2. Highlight **Show Weather**, and press **ENTER**.

Displaying Weather

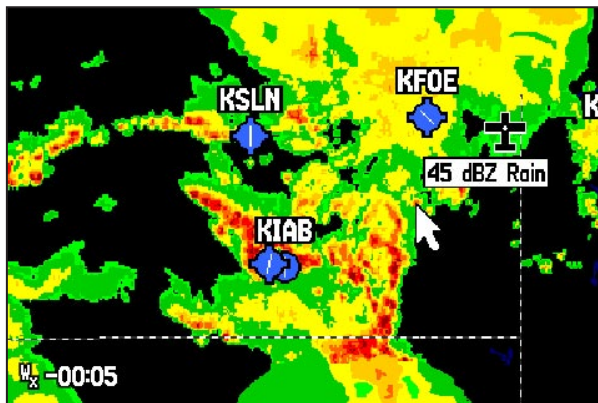


To display weather features on the map, press the **MENU** key, highlight **Show Weather**, and press **ENTER**.

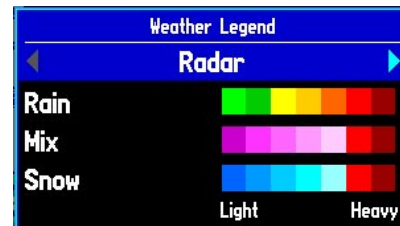
NEXRAD Radar

NEXRAD or NEXt Generation Weather RADar displays precipitation from very light rain and snow up to strong thunderstorms in varying shades and colors. In the lower left corner of the screen is a Time Stamp. The Time Stamp displays the elapsed time since the National Weather Service provided the displayed information. To display a legend showing the colors for Rain, Mix, and Snow, press **MENU**, highlight **Weather Legend**, and press **ENTER**. NEXRAD can be displayed independently or with a variety of other weather information. For information on NEXRAD Limitations, Abnormalities, and Intensity, see pages 30-31.

NEXRAD

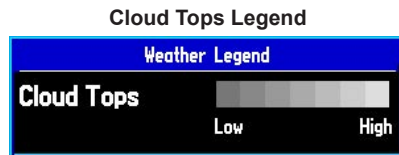
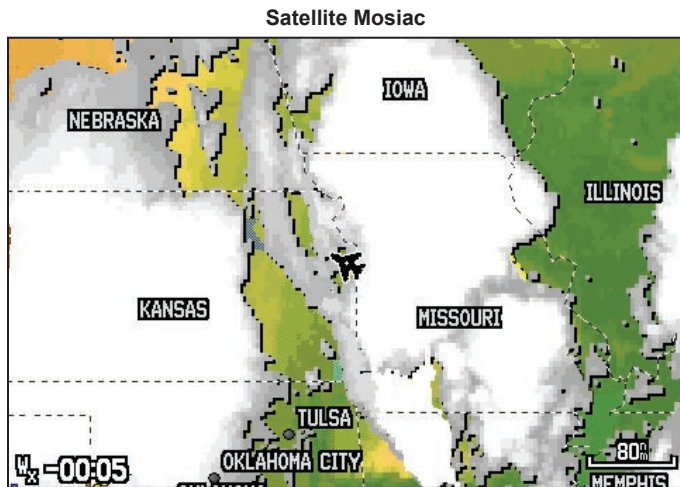


NEXRAD Legend



Satellite Mosaic

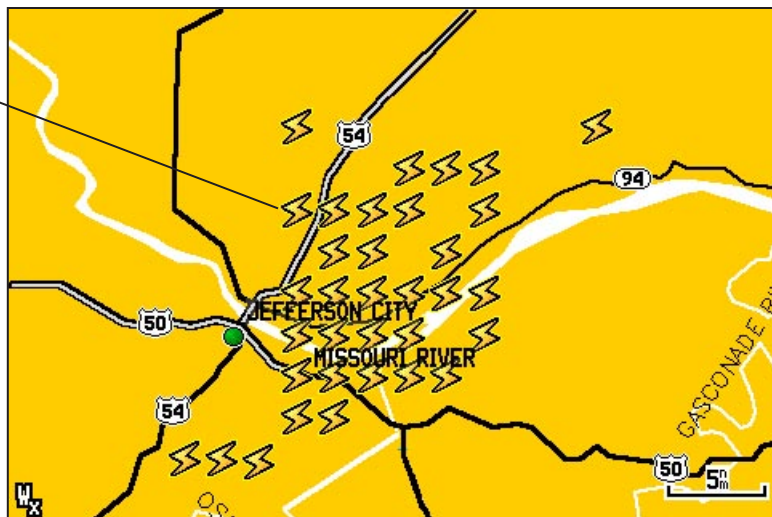
Satellite Mosaic displays infrared composite images of cloud cover taken by geostationary weather satellites. The Satellite Mosaic provides up to seven levels of cloud cover.



Lightning

Lightning strikes are represented by lightning bolt icons, as shown in the images below. Lightning appears on the map if strikes were detected within the last seven minutes. The ground-based lightning detection network only detects cloud-to-ground lightning.

Lightning bolts indicate a cloud-to-ground lightning strike.



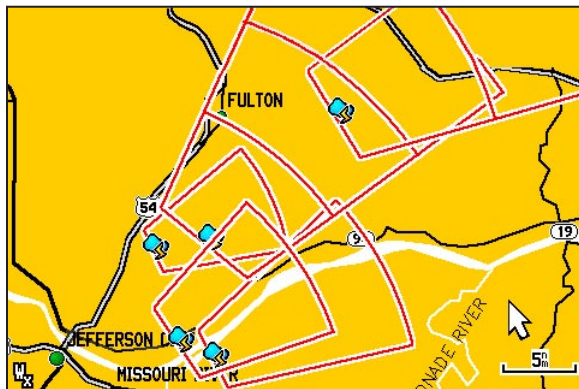
Storm Cells

The Storm Cells feature displays storms as well as the storm's projected path in the immediate future.

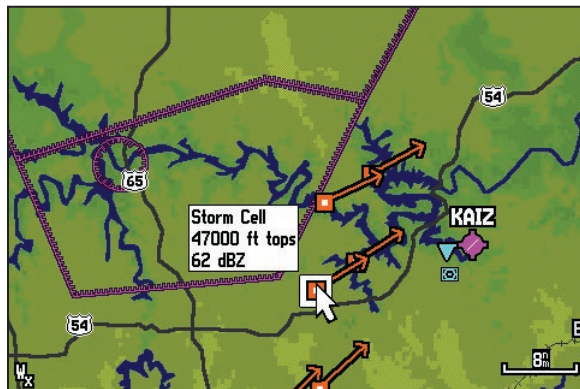
Marine and Automotive units also show the size of the storm cell. The direction of the red cone indicates the projected path of the storm cell. The red bars that appear in the cone indicate where the storm will be in the future. Each bar represents 15 minutes.

Aviation units show the direction of the storm with an arrow. The tip of the arrow indicates where the storm should be in 15 minutes. Critical information about the storm cell can be viewed by selecting the storm cell with the map pointer.

Automotive and Marine

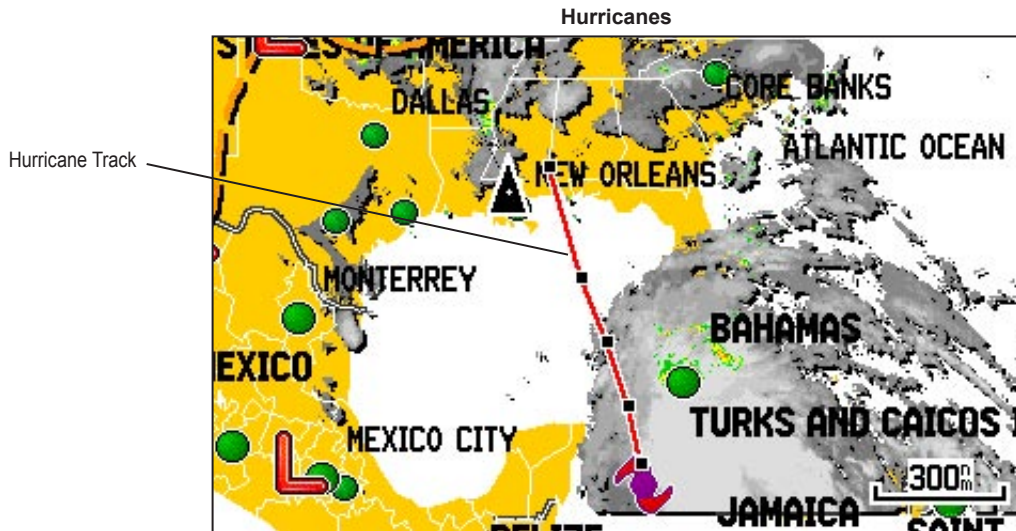


Aviation



Hurricanes

The Hurricanes feature shows the current position of a hurricane, tropical storm, or tropical depression, as well as its projected path (indicated by a red line). The darkened squares that appear along the red line display the projected locations received from the National Hurricane Center. The Center provides four forecasts at 12-hour intervals as well as a fifth forecast at a 24-hour interval.



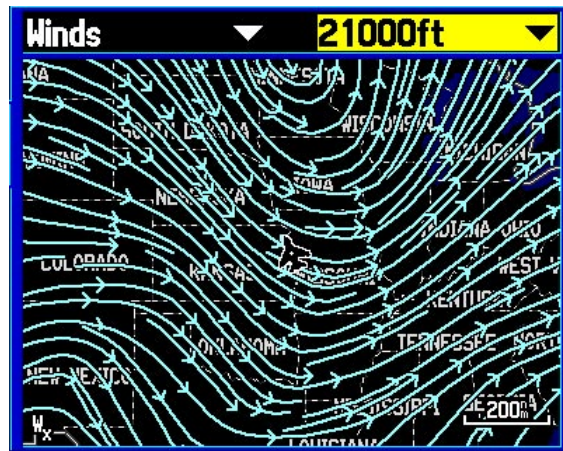
Winds Aloft

Aviation units display winds aloft using wind barbs or a wind streamline depending on the zoom range of the map. Similar to Marine and Automotive units, the wind barbs indicate wind speed and direction. The wind streamline indicates wind direction with arrows.

Wind Barbs



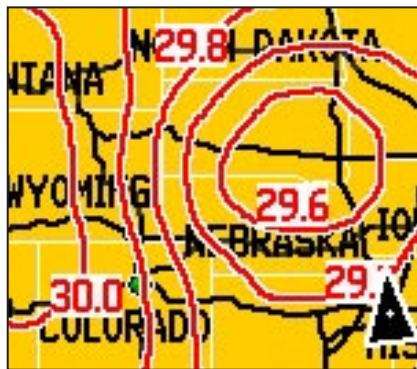
Wind Streamline



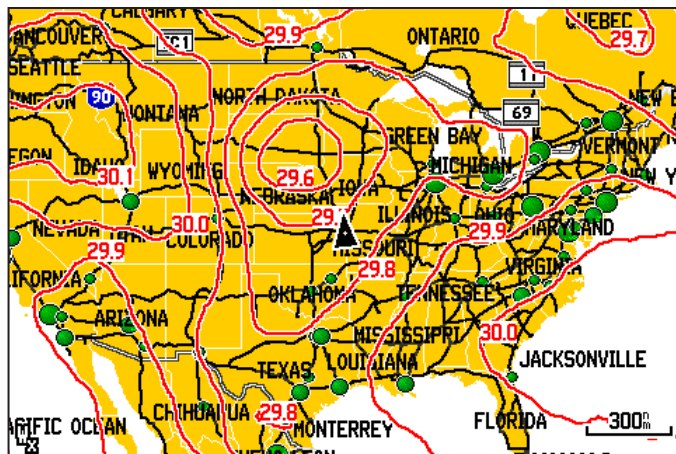
Surface Pressure

This feature displays pressure isobars and pressure centers. The isobars connect points of equal pressure. Pressure readings can help determine weather and wind conditions in an area. High pressure areas are generally associated with fair weather. Low pressure areas are generally associated with clouds and the chance of precipitation. Isobars that are packed closely together show a strong pressure gradient. Strong pressure gradients are associated with areas of stronger winds. Pressure units can be displayed in Millibars (mb), Inches of Mercury (in), and Hectopascals (hPa).

Strong Pressure Gradient



Pressure Isobars



Fronts

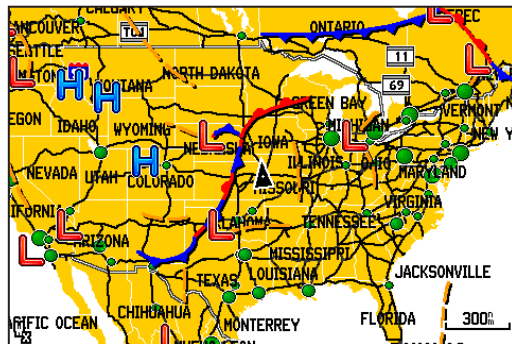
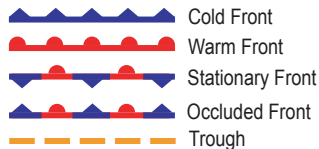
The Fronts feature displays lines indicating the leading edge of an air mass. This feature also displays pressure centers. Pressure centers are represented by a large Red “L” for low pressure centers or a large Blue “H” for high pressure centers. Pressure centers represent an area where pressure is measured to be either the highest or lowest relative to the surrounding area.



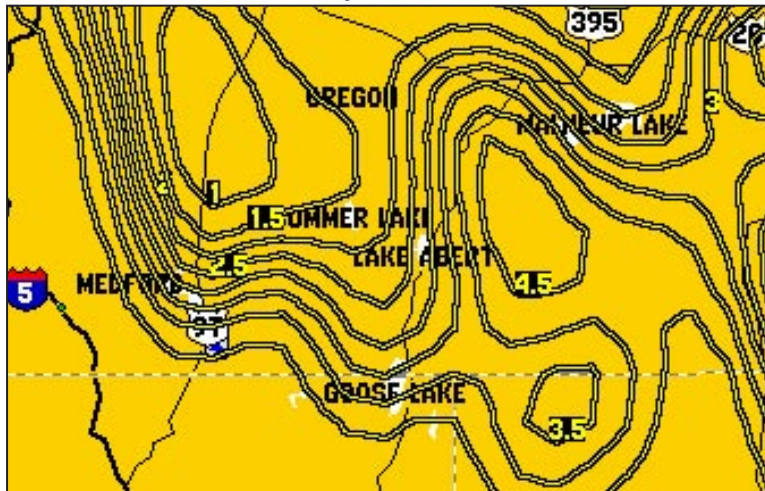
Indicates a Low Pressure Center. A Low Pressure Center is an area where the measured pressure is lowest relative to the surrounding area. Moving away from a Low Pressure Center in any horizontal direction results in increased pressure. Winds flow counterclockwise around Low Pressure Centers in North America.



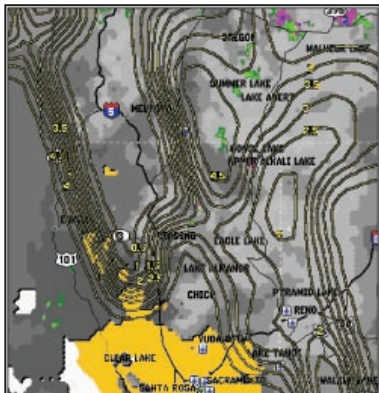
Indicates a High Pressure Center. Similar to a Low Pressure Center, a High Pressure Center is an area where the measured pressure is highest relative to the surrounding area. Moving away from a High Pressure Center in any horizontal direction results in decreased pressure. Winds flow clockwise around Low Pressure Centers in North America.



Visibility is the forecast maximum horizontal distance that can be seen at the surface. Contour lines on the Visibility feature show the forecasted change in surface visibility. In the example below, visibility ranges from 1 miles to 4.5 miles.

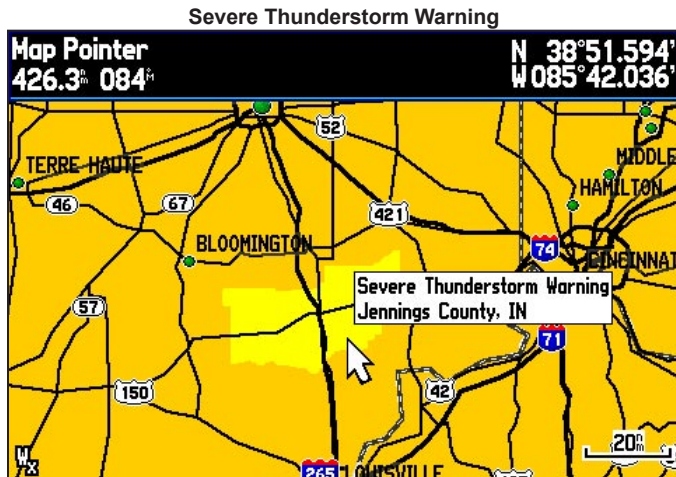
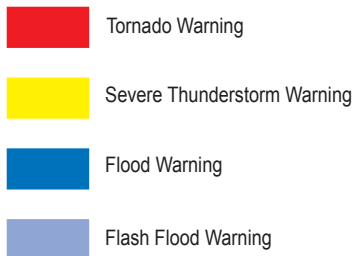
[illegible]

This image displays NEXRAD Radar, Satellite Mosaic, and Visibility. Displaying multiple features may help to provide a clearer picture of the weather conditions in the area.



County Warnings

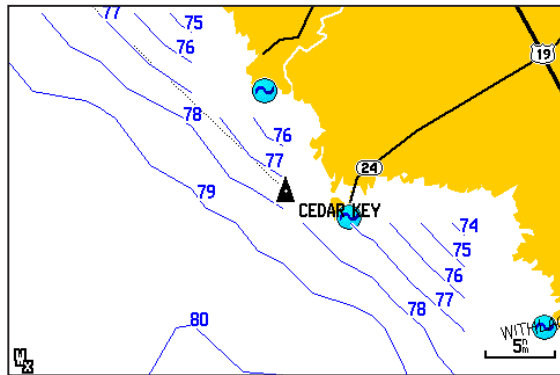
When the National Weather Service issues a weather warning for a county, the county is highlighted with the color corresponding to the warning. To view information about the warning, select the county with the map pointer. For more detail, press **ENTER**.



Water Temperature

The Water Temperature feature displays the water's surface temperature. The temperature breaks are indicated by isotherm lines.

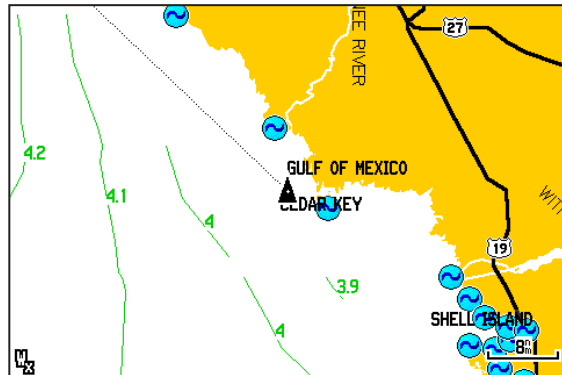
Water Temperature



Wave Period

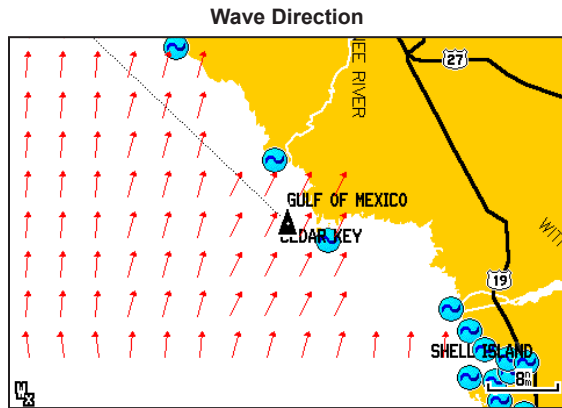
The Wave Period feature provides the time (in seconds) between successive waves.

Wave Period



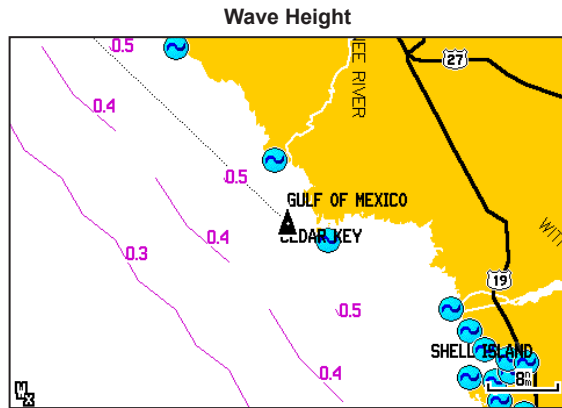
Wave Direction

The Wave Direction feature shows the direction in which a wave is moving, as indicated by the direction of the red arrow.



Wave Height

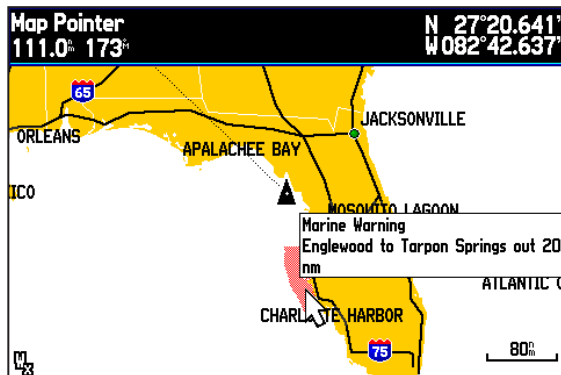
The Wave Height feature displays wave heights. The wave heights for an area are separated by contour lines.



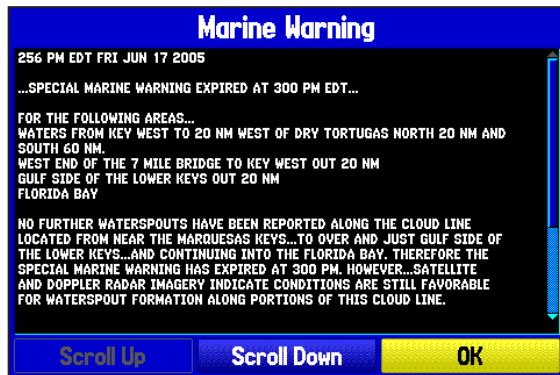
Marine Warnings

When a Marine Warning is issued, the area for the warning is highlighted in red. To view information about the warning, select the warning area with the map pointer. To view more detailed information, press **ENTER**.

Marine Warnings



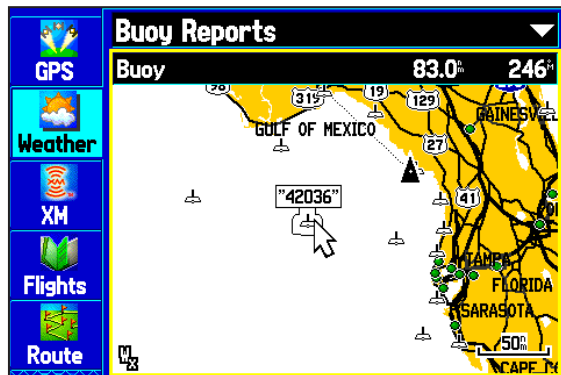
Marine Warning Detailed Information



Buoy Reports

Report readings are taken from buoys and coastal observation stations. These readings are used to determine Air Temperature, Dewpoint, Water Temperature, Tide, Wave Height and Period, Wind Direction and Speed, Visibility, and Barometric Pressure.

Buoy Selected with map pointer



Buoy report detail

Buoy			
2:00 PM CDT	246°	83.0°	From Current Location
Temperature	80°	Wind	014° 4°
Dew Point	77°	Visibility	___ n
Water Temp	81°	Pressure	29.90°
Tide	___		
Waves	1.3°	6 _{sec}	

METAR

Meteorological Aeronautical Reports (METARs) are an international code used for reporting weather observations. If METAR data is available for an airport, a color coded flag is shown next to the airport. To view the METAR data, select the flag with the map pointer. To view more detailed information, press **ENTER**.

-  VFR (ceiling greater than 3000 feet AGL and visibility greater than 5 miles)
-  Marginal VFR (ceiling 1000-3000 feet AGL and/or visibility 3-5 miles)
-  IFR (ceiling 500 to below 1000 feet AGL and/or visibility 1 mile to less than 3 miles)
-  Low IFR (ceiling below 500 feet AGL or visibility less than 1 mile)



AIRMET

An AIRMET (AIRman's METeorological Information) can potentially affect all aircraft. This data can be especially helpful for pilots of light aircraft that have limited flight capability or instrumentation. An AIRMET must affect or be forecast to affect an area of at least 3,000 square miles at any one time. AIRMETs are routinely issued for 6 hour periods and are amended as necessary due to changing weather conditions or issuance/cancellation of a SIGMET. AIRMETs are displayed as a colored dashed line. To view AIRMET data, select the AIRMET using the map pointer. To view detailed information, press **ENTER**.

- AIRMET Sierra (IFR) (purple): Ceilings less than 1,000 feet and/or visibility less than 3 miles affecting over 50% of the area at one time. Extensive mountain obscuration
- AIRMET Tango (Turbulence) (orange): Moderate turbulence. Sustained surface winds of 30 knots or more at the surface.
- AIRMET Zulu (Icing) (blue): Moderate icing. Freezing levels.

AIRMET selected with map pointer



AIRMET detailed information

AIRMET TANGO UPDT 3 FOR TURB VALID UNTIL 152000

**AIRMET TURB...NY OH PA WV VA LE LO ...UPDT
FROM MSS TO HNK TO LYH TO HNV TO HNN TO CVG TO
FWA TO DXO TO YYZ
TO MSS
OCNL MOD TURB BLW 080 DUE TO WLY WINDS. CONDS
CONTG BYD 20Z ENDG
00-02Z.**

SIGMET

A SIGMET (SIGNificant METeorological Forecast) advises of weather that is potentially hazardous to all aircraft. In the contiguous United States, items covered are: severe icing, severe or extreme turbulence, volcanic ash, dust storms, and sandstorms that lower visibility to less than three statute miles.

A Convective SIGMET is issued for: thunderstorms, isolated severe thunderstorms, embedded thunderstorms, hail at the surface, and tornadoes. A SIGMET is widespread. A SIGMET must affect or be forecast to affect an area of at least 3,000 square miles.

SIGMETs are displayed as a yellow dashed line. To view SIGMET data, select the SIGMET using the map pointer. To view detailed information, press **ENTER**.

SIGMET selected with map pointer



SIGMET detailed information

CONVECTIVE SIGMET 11W

VALID UNTIL 2255Z
 CO WY UT
 FROM 50S BIL-40SSE DDY-60E DTA-50NNE JAC-50S
 BIL
 DVLPG AREA TS MOV FROM 24020KT. TOPS TO
 FL380.

OUTLOOK VALID 152255-160255

TFR

Temporary Flight Restrictions or TFRs temporarily restrict all aircraft from entering the selected airspace unless a waiver has been issued. TFRs are routinely issued for occurrences such as sporting events, dignitary visits, military depots and forest fires. TFRs are represented as an area highlighted by Red (active) or Yellow (not yet active). To view information about the TFR, select it with the map pointer. To view more detailed information, press **ENTER**.

TFR selected with map pointer



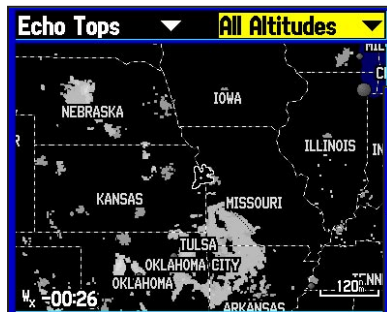
TFR detailed information

IA CVA 5/4845 graphic 1 of 4
Sports Event TFR
Surface to 16000ft MSL
Active Jun 23 1:45 PM CDT
Expires Jun 23 3:15 PM CDT

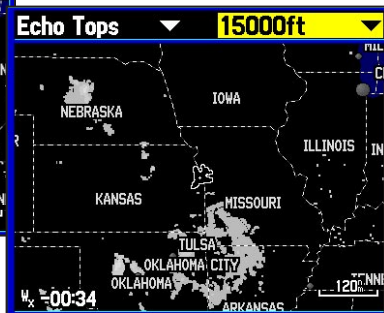
Echo Tops

Echo Tops are derived from NEXRAD radar and indicate the highest altitude at which precipitation is falling. Echo Tops at or above the altitude you select are displayed, in 5,000 foot increments up to 70,000 ft. Echo Tops can be helpful in determining the severity of thunderstorms. (higher = more intense)

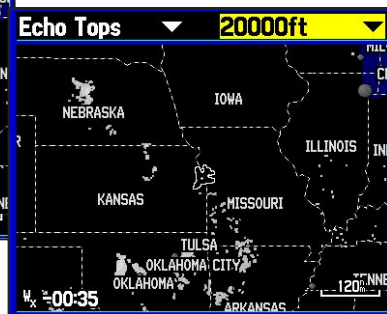
Echo Tops for all altitudes



Echo Tops at 15,000 feet

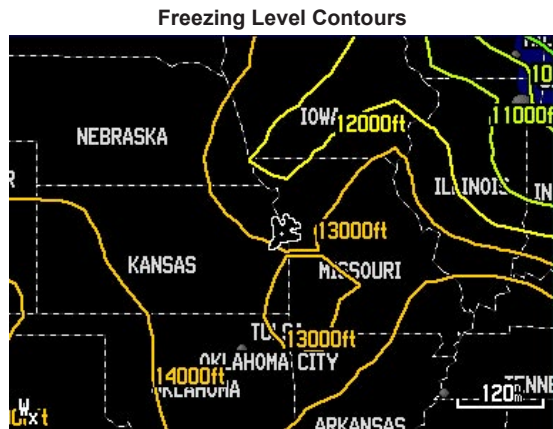


Echo Tops at 20,000 feet



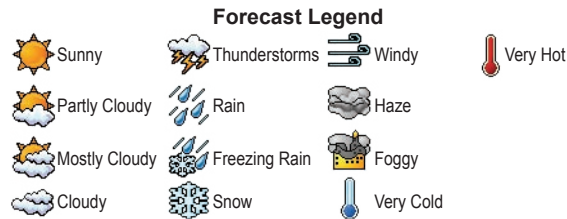
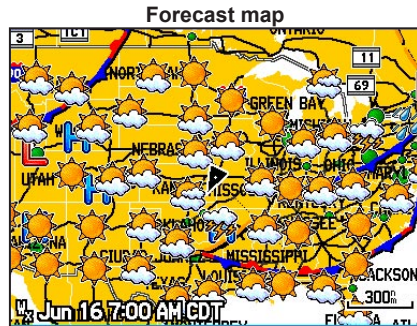
Freezing Level

Shows contours for the lowest forecast altitude where icing conditions are likely to occur.



Forecast

Forecast displays Fronts, High and Low Pressure Centers, and City Conditions. The forecast can be viewed in 12- hour increments for the next 48 hours.



TAF

Terminal Aerodrome Forecasts are issued by the National Weather Service for pilots. They include 24-hour forecasts on wind, visibility, expected weather conditions, and wind shear.

Terminal Aerodrome Forecast

WHEELER DOWNTOWN *
KANSAS CITY, MO
KMKC forecast issued Jun 16 6:28 AM CDT
From 7:00 AM CDT:
Wind from 080° at 5 kt
Visibility more than 6 mi
Clouds scattered at 10000 ft, overcast at 20000 ft
Changing at 11:00 AM CDT to:
Wind from 110° at 8 kt
Visibility more than 6 mi
Clouds scattered at 4000 ft, broken at 25000 ft
Changing at 6:00 PM CDT to:
Wind from 100° at 5 kt
Visibility more than 6 mi
Scattered clouds at 25000 ft
Forecast valid until Jun 17 7:00 AM CDT
From K34
25.5m 038M N 39°07.390'
W094°35.568'

XM Radio

The XM Audio feature requires a subscription to XM Radio. Channels can be scanned by category and saved to a Favorites list. The XM audio output can be turned on and off.

	XM Audio																
Category	Rock																
Channel list	<table> <tr> <td>45</td><td>XM Cafe</td><td>Bluestring</td></tr> <tr> <td>46</td><td>Top Tracks</td><td>Crosby Stills Na</td></tr> <tr> <td>47</td><td>Ethel</td><td>Phantom Planet</td></tr> <tr> <td>48</td><td>SquiZZ xL</td><td>Nickelback</td></tr> <tr> <td>50</td><td>The Loft</td><td>Del Amitri</td></tr> </table>		45	XM Cafe	Bluestring	46	Top Tracks	Crosby Stills Na	47	Ethel	Phantom Planet	48	SquiZZ xL	Nickelback	50	The Loft	Del Amitri
45	XM Cafe	Bluestring															
46	Top Tracks	Crosby Stills Na															
47	Ethel	Phantom Planet															
48	SquiZZ xL	Nickelback															
50	The Loft	Del Amitri															
Current song	Nickelback How You Remind M 48 SquiZZ xL																

APPENDIX

Specifications

Physical Specifications

Size: 83mm diameter x 27.5mm height

Weight: 224g (7.9 oz)

Temp. Range: -40F to +185F (-40C to +85C)

Case: fully sealed high-impact plastic with die-cast zinc base

Waterproof: -1 meter submersion for 30 minutes IEC 60529 IPX7

Mount Thread Size: M3 x 0.5

Cable: Braided shield, 5 conductor 28 AWG, Right Angle Male Mini-B connector

Power

Source: 4.5-5.5 Vdc

Usage: 2.5 watts max

Performance

Dynamics: 999 knots, 6g

Feature	Data Broadcast Frequency
NEXRAD Radar	5 mins
Satellite Mosaic	15 mins
Storm Cells	1.25 mins
Lightning	5 mins
Surface Winds	12 mins
Surface Pressure	12 mins
Hurricane Track	12 mins
Visibility Forecast	12 mins
Fronts	12 mins
Water Temperature	12 mins
Wave Height	12 mins
Wave Period	12 mins
Wave Direction	12 mins
Buoy Reports	12 mins
City Forecast	12 mins
County Warnings	5 mins

Feature	Data Broadcast Frequency
Marine Warnings	20 mins
METAR	12 mins
AIRMET	12 mins
SIGMET	12 mins
Echo Tops	7.5 mins
Winds Aloft	12 mins
TFR	12 mins
TAF	12 mins
Freezing Level	12 mins

NEXRAD Overview

NEXRAD Description

NEXRAD Radar is a Doppler radar system that has greatly improved the detection of meteorological events such as thunderstorms, tornadoes, and hurricanes. An extensive network of NEXRAD stations provides almost complete radar coverage of the continental United States, Alaska, and Hawaii. The range of each NEXRAD is 124 nautical miles.

NEXRAD Abnormalities

There are possible abnormalities regarding displayed NEXRAD images. Some, but not all, of those include:

- Ground clutter
- Strokes and spurious radar data
- Sun strokes, when the radar antenna points directly at the sun
- Military aircraft deploy metallic dust (chaff) which can cause alterations in radar scans
- Interference from buildings or mountains, which may cause shadows

NEXRAD Limitations

Certain limitations exist regarding the NEXRAD radar displays. Some, but not all, are listed for the user's awareness:

- NEXRAD base reflectivity does not provide sufficient information to determine cloud layers or precipitation characteristics (hail vs. rain).
- NEXRAD base reflectivity is sampled at the minimum antenna elevation angle. An individual NEXRAD site cannot depict high altitude storms at close ranges, and has no information about storms directly over the site.

NEXRAD Intensity

Colors are used to identify the different NEXRAD echo intensities (reflectivity) measured in dBZ. (decibels of Z).

“Reflectivity” (designated by the letter Z) is the amount of transmitted power returned to the radar receiver. The dBZ values increase as returned signal strength increases.

Precipitation intensity is displayed using colors represented by the dBZ values listed in the table to the right.



The information presented in this manual is not meant to be comprehensive. The NOAA web site contains complete and detailed information regarding NEXRAD weather radar operation and theory. You can visit them at www.noaa.gov.

Display Rain	Display Snow	dBZ	Rain (inches/hour)	Snow (inches/hour)	Remarks	
					Rain	Snow
		<-10	.00"	.00"		
		-10	.00"	.00"		
		-5	.00"	trace		
		0	.00"	trace - .05"		Very Light
		5	.00"	trace - .10"		Light
Light Green	Dark Blue	10	0" - trace	.01"	Light	Light
		15	.01"	.1 - .2"	Light	Light
		20	.02"	.2 - .3"	Light	Light
Medium Green	Medium Blue	25	.05"	.3 - .5"	Light	Light - Moderate
		30	.09"	.5 - .7"	Light - Moderate	Moderate
Yellow	Light Blue	35	.24"	.7 - 1.0"	Moderate	Heavy
		40	.48"	1" + or sleet	Heavy	Heavy
Orange	Light Blue	45	1.25"	1" + or sleet	Heavy	Heavy
Red	Red	50	2.5"	sleet	Intense	
		55	5.7"	sleet	Extreme	
Dark Red	Dark Red	55+	12.7"		Extreme	

FCC Compliance



The GXM 30 complies with Part 15 of the FCC interference limits for Class B digital devices FOR HOME OR OFFICE USE. These limits are designed to provide more reasonable protection against harmful interference in a residential installation, and are more stringent than “outdoor” requirements.

Operation of this device is subject to the following 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.

This equipment generates, uses, and can radiate radio frequency energy and may cause harmful interference to radio communications if not installed and used in accordance with the instructions. 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 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.

The GXM 30 does not contain any user-serviceable parts. Repairs should only be made by an authorized Garmin service center. Unauthorized repairs or modifications could result in permanent damage to the equipment, and void your warranty and your authority to operate this device under Part 15 regulations.

Limited Warranty

This Garmin product is warranted to be free from defects in materials or workmanship for one year from the date of purchase. Within this period, Garmin will at its sole option repair or replace any components that fail in normal use. Such repairs or replacement will be made at no charge to the customer for parts or labor, provided that the customer shall be responsible for any transportation cost. This warranty does not cover failures due to abuse, misuse, accident or unauthorized alteration or repairs.

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To obtain warranty service, contact your local Garmin authorized dealer or call Garmin Product Support for shipping instructions and an RMA tracking number. The unit should be securely packed with the tracking number clearly written on the outside of the package. The unit should then be sent, freight charges prepaid, to any Garmin warranty service station. A copy of the original sales receipt is required as the proof of purchase for warranty repairs.

Garmin International, Inc.
1200 E 151st Street, Olathe, Kansas 66062 U.S.A.
Tel. 913/397.8200
Fax. 913/397.8282

Garmin (Europe) Ltd.
Unit 5, The Quadrangle, Abbey Park Industrial Estate, Romsey, SO51
9DL U.K.
Tel. 44/0870.8501241
Fax 44/0870.8501251

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International Purchases: A separate warranty is provided by international distributors for units purchased outside the United States. This warranty is provided by the local in-country distributor and this distributor provides local service for your unit. Distributor warranties are only valid in the area of intended distribution. Units purchased in the United States or Canada must be returned to the Garmin service center in the United Kingdom, the United States, Canada, or Taiwan for service.

The Garmin GXM 30 has no user-serviceable parts. Should you ever encounter a problem with your unit, please take it to an authorized Garmin dealer for repairs.

The GXM 30 is fastened shut with screws. Any attempt to open the case to change or modify the unit in any way will void your warranty and may result in permanent damage to the equipment.

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