

v.7

User Guide

Java and Brew handsets

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Terms and Conditions

IMPORTANT: THE FOLLOWING IS A LEGAL AGREEMENT BETWEEN YOU AND DIGITAL CYCLONE, INC. ("DCI") REGARDING THE TERMS AND CONDITIONS GOVERNING YOUR USE OF PILOT MY-CASTSM. PLEASE READ THIS DOCUMENT CAREFULLY BEFORE USING THE ENCLOSED PERSONAL IDENTIFICATION NUMBER(S) (EACH A "PIN") AND/OR USING THE PILOT MY-CAST SERVICE. IF YOU ARE ACCEPTING THIS AGREEMENT ON BEHALF OF A COMPANY, YOU REPRESENT THAT YOU HAVE THE AUTHORITY TO BIND THE COMPANY TO THESE TERMS AND CONDITIONS GOVERNING THE USE OF PILOT MY-CAST. THE TERM "YOU" REFERS TO THE INDIVIDUAL, LEGAL ENTITY AND/OR AUTHORIZED EMPLOYEE OF SUCH LEGAL ENTITY, AS APPLICABLE, THAT REGISTERS FOR OR USES PILOT MY-CAST. IF YOU DO NOT HAVE SUCH AUTHORITY, OR IF YOU DO NOT AGREE WITH THESE TERMS AND CONDITIONS, YOU MUST NOT USE THE ENCLOSED PIN TO ACTIVATE YOUR PILOT MY-CAST SERVICE AND YOU MUST NOT USE THE PILOT MY-CAST SERVICE.

These Terms and Conditions govern your use of Pilot My-Cast, including your use of the Web sites maintained by DCI. These Terms and Conditions along with the specific terms of your Pilot My-Cast subscription, which are described in the cover letter and/or e-mail sent to you by DCI, are collectively referred to as this "Agreement." In the event that any of the specific terms of your Pilot My-Cast subscription sent to you by DCI conflict with any provision of these Terms and Conditions, the specific terms of your Pilot My-Cast subscription from DCI shall prevail.

By using Pilot My-Cast, you express your understanding and agreement that you are bound by this Agreement. If you are unwilling to be bound by this Agreement, do not use the enclosed PIN(S) to activate your Pilot My-Cast service and do not use Pilot My-Cast.

DCI may change or modify these Terms and Conditions at any time. Any changes or modifications to these Terms and Conditions shall be effective immediately upon notice thereof, which may be given to you by any means, including without limitation, posting on DCI's Web sites or by electronic or conventional mail. By continuing to use Pilot My-Cast after such notice is given, you express your understanding of and agreement with the changed or modified Terms and Conditions.

Purpose and Use

DCI maintains Pilot My-Cast for the purpose of providing weather forecasting services to authorized users, like you, who have entered into an Agreement with DCI permitting the use of Pilot My-Cast. Access to Pilot My-Cast is restricted to you and your authorized employees who are assigned passwords enabling access to Pilot My-Cast. Except as expressly authorized by DCI in this Agreement, neither Pilot My-Cast nor any of its contents may be reproduced, duplicated, copied, sold, or otherwise used or exploited for any purpose. You may not create any links to Pilot My-Cast from any other Web site or by any method not expressly approved by DCI in writing.

PIN Access

Access to Pilot My-Cast requires the use of the enclosed PIN(S) issued by DCI. Each PIN is to be kept confidential and is not to be disclosed to anyone other than you or your employee to whom it is assigned. You are responsible for all activities that occur through the use of the enclosed PIN(S), including unauthorized use, and for promptly notifying DCI of any unauthorized use of the PIN(S) assigned to an employee or any other breach of security with respect to Pilot My-Cast or when an employee to whom a PIN is assigned leaves your employment. DCI, in its sole and absolute discretion, may at any time terminate or otherwise restrict access to and use of Pilot My-Cast by you or any of your authorized employees.

Grant of License

DCI grants to you a personal, non-exclusive, non-transferable, non-assignable license to store, manipulate, analyze, reformat, print, and display the information, documents, and products contained in or made available in connection with Pilot My-Cast solely for your own internal business purposes. All rights not expressly granted to you by DCI are retained by DCI. Unauthorized use or resale of Pilot My-Cast is expressly prohibited. You shall not copy, license, sell, transfer, make available, distribute, or assign this license or Pilot My-Cast to any third party. You shall not use any information displayed via Pilot My-Cast in conjunction with any business or commercial enterprise not authorized or contemplated by the specific terms of your Pilot My-Cast subscription provided to you by DCI.

You may not transfer any of your rights under this Agreement and you shall not sublicense, assign or transfer the license to Pilot My-Cast. Any attempt to sublicense, assign or transfer any of your rights, duties or obligations hereunder is void and is a breach of this Agreement. You may not hypothecate, lease, loan

or otherwise convey Pilot My-Cast or any portion thereof to anyone, and under no circumstance may you use or allow the use of Pilot My-Cast in any manner other than as expressly set forth in this Agreement.

Scope of Permitted Use

You agree to use Pilot My-Cast only for the lawful purposes described above. You shall not: (i) post or transmit on or through any DCI Web site any libelous, obscene or otherwise unlawful information of any kind; (ii) interfere with, disable, modify, decompile, or reverse engineer Pilot My-Cast in any way; (iii) engage in any conduct involving Pilot My-Cast that would constitute a criminal offense or give rise to civil liability under any local, state, federal or other law or regulation; or (iv) upload, post, reproduce or distribute to or through Pilot My-Cast, including any DCI Web site, any material protected by copyright, privacy or other proprietary right without first obtaining a written license from the owner thereof.

DCI Intellectual Property

information available via Pilot My-Cast is DCI trade secret or confidential information designated as such and available only to select persons for limited use. The authorization granted by this Agreement to use Pilot My-Cast is a limited license, not a transfer of title, and neither this Agreement nor any use of Pilot My-Cast shall transfer any other right, title or interest in any manner this Agreement.

Except as expressly authorized by this Agreement, you may not (a) copy, modify, distribute, display, transmit, use or prepare derivative works based upon Pilot My-Cast; (b) use or disclose price or other information which is identified as being confidential or otherwise restricted; (c) remove or alter any copyright, trademark or other proprietary notice from any portion of the contents of Pilot My-Cast or permit access to Pilot My-Cast by any third party; or (e) except as expressly permitted by local law, disassemble, decompile or otherwise attempt to "reverse engineer" any software contained in or accessible via Pilot My-Cast. You also shall not create any Internet "link" to Pilot My-Cast or "frame" or "mirror" any content contained on, or accessible via Pilot My-Cast.

Use of Marks

Regardless of any other provision herein, the trademarks of DCI and the Digital Cyclone, My-Cast and Pilot My-Cast names shall not be used by you or other parties in any way, especially not as a means of identifying the source of Pilot My-Cast to public audiences or clientele. You may not use the trademarks of DCI or the Digital Cyclone, My-Cast and Pilot My-Cast names unless you hold a separate written trademark license agreement with DCI.

Costs and Billing

You will pay all fees or charges to your account in accordance with the fees, charges, and billing terms in effect at the time a fee or charge is due and payable. You must provide DCI with valid credit or purchase order information as a condition to signing up for Pilot My-Cast. You must also report and pay any applicable taxes to the appropriate governmental agency. Purchase orders may be subject to credit approval.

DCI will automatically renew and bill your credit card or issue an invoice to you as follows: (a) every month for monthly subscriptions, (b) every quarter for quarterly subscriptions, (c) upon the commencement of the annual term and then at each subsequent term provided to you by DCI. All invoices shall be due and payable within 30 days after the invoice date.

If timely payment is not received or cannot be charged to your credit card for any reason, DCI reserves the right to either suspend or terminate your access to Pilot My-Cast and terminate this Agreement. If DCI receives a cancellation notice from you, you will be obligated to pay the balance due on your account. You agree that DCI may charge such unpaid fees to your credit card or otherwise bill you for such unpaid fees. You further agree to pay all of DCI's costs of collection (including attorneys' fees) with respect to unpaid fees.

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DISCLAIMERS

DCI shall not be responsible for any failure or malfunction in power or communications, or in your equipment used to access Pilot My-Cast, or the failure or refusal of third party transmission intermediaries to perform, continue or renew their contractual arrangements with DCI, or any inability to perform occasioned by such or by labor strife, war, riot or other events beyond the control of DCI. If Pilot My-Cast is disrupted by any such event, DCI's obligations hereunder shall be suspended during the period of occurrence for such disrupting event.

Pilot My-Cast may contain technical, typographical or other errors or inaccuracies and may not be complete or current. DCI does not warrant that any material or information provided via Pilot My-Cast is accurate, complete or current. DCI may change any material or information provided via Pilot My-Cast at any time without prior notice, but DCI does not make any commitment to update material or information with respect to Pilot My-Cast

DCI has not reviewed all of the Web sites to which links appear on DCI's Web sites and is not responsible for their contents. The inclusion of any such link on DCI's Web sites is for your convenience only and does not imply endorsement by DCI of any linked Web site, the use of which is at your own risk.

YOU EXPRESSLY AGREE THAT USE OF PILOT MY-CAST IS AT YOUR SOLE RISK. IN THE EVENT PILOT MY-CAST IS UNAVAILABLE DURING SEVERE WEATHER, YOU SHOULD KEEP ADVISED OF ALL WATCHES AND WARNINGS ISSUED BY THE NATIONAL WEATHER SERVICE. YOU ARE SOLELY RESPONSIBLE FOR ANY ACTION OR LACK OF ACTION TAKEN TO PRESERVE LIFE OR PROPERTY.

WARRANTY DISCLAIMER

DCI makes no express or implied warranties or affirmations that weather will occur or has occurred as the reports, forecasts, graphics, data or information comprising PILOT MY-CAST state, represent or depict and DCI shall have no responsibility or liability whatsoever to YOU or any other person or entity, parties and nonparties alike, for any inconsistency, inaccuracy or omission for weather or events predicted or depicted, reported, occurring or occurred.

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Basis of the Bargain; Failure of Essential Purpose

You acknowledge that DCI has set its prices and entered into this Agreement in reliance upon the limitations of liability and the disclaimers of warranties and limitations on damages set forth in this Agreement, and that the same form an essential basis of the bargain between you and DCI. You agree that the limitations and exclusions of liability and disclaimers specified in this Agreement will survive and apply even if found to have failed of their essential purpose.

Indemnification

You shall indemnify and hold DCI, its licensors, and each such party's parents, subsidiaries, affiliates, officers, directors, employees (including attorneys' fees and costs) arising out of or in connection with your use of Pilot My-Cast, your breach of this Agreement, and the use of Pilot My-Cast by any person using a PIN assigned to you or one of your employees.

Insurance

You agree that you will not pursue any claims against DCI for any liability DCI may have under or relating to this Agreement until you first make claims against your insurance provider(s) and such insurance provider(s) finally resolve(s) such claims. You waive your right of recovery against DCI (and waive the subrogation right of your insurance provider(s)) to the extent such claims are covered by your insurance.

Applicable Law and Dispute Resolution

DCI maintains and operates Pilot My-Cast from its facilities in Minnesota in the United States of America. Use of Pilot My-Cast, and this Agreement, shall in all respects be governed by and interpreted, construed and enforced in accordance with the laws of the United States of America and the State of Minnesota, without giving effect to any principles of conflict of laws. Any claim or dispute between DCI and you, or any other user of Pilot My-Cast, howsoever arising out of or relating to this Agreement or the rights or obligations of the parties hereunder will be submitted to binding arbitration in Hennepin County, Minnesota under the then-current rules of the American Arbitration Association; provided, however, that nothing in this Agreement shall prevent DCI's court is necessary to prevent serious and irreparable injury to DCI. The parties hereby expressly exclude the application of the United Nations Convention on Contracts for the International Sale of Goods to this Agreement or any activity undertaken in connection with this Agreement.

General

Every provision of this Agreement shall be construed, to the extent possible, so as to be valid and enforceable. If any provision of this Agreement so construed is held by a court of competent jurisdiction to be invalid, illegal or otherwise unenforceable, such provision shall be deemed severed from this Agreement, and all other provisions shall remain in full force and effect.

DCI may assign, delegate and/or otherwise transfer this Agreement or its rights and obligations hereunder to any person or entity. You may not assign, delegate or otherwise transfer this Agreement or any of its rights or obligations hereunder without the prior written consent of DCI. This Agreement shall be binding upon and inure to the benefit of the parties and their respective permitted successors and assigns.

The failure by either you or DCI at any time to enforce any of the provisions of this Agreement or any right or remedy available hereunder or at law or in equity, or to exercise any option herein provided, shall not constitute a waiver of such provision, right, remedy or option or in any way affect the validity of this Agreement. The waiver of any default by either you or DCI shall not be deemed a continuing waiver, but shall apply solely to the instance to which such waiver is directed.

This Agreement (which includes these Terms and Conditions and the specific terms of your Pilot My-Cast subscription provided to you by DCI) sets forth the entire agreement and understanding between DCI and you regarding the subject matter herunderstanding, or agreements regarding the same subject matter. You may not modify or amend this Agreement except by the express, written agreement of DCI.

What is Pilot My-Cast by Garmin?

Personalized Pilot Weather Information at your Fingertips ... Anytime!

The power of My-Cast's customized weather information for pilots is available through your Java or Brew enabled mobile phone. By using our software you will be able to view current weather information for your airports, region, and planned routes. This includes:

- **Radar loops**
- **Satellite image loops**
- **Lightning strike loops**
- **Text Data, featuring METARs, TAFs, winds aloft and PIREPs**
- **Airmet and Sigmet maps**
- **Improved TFR display highlights Temporary Flight Restriction areas**
- **Flight planning via DUATS**
- **SIGMETs, AIRMETs and PIREPs – available as soon as they are issued**
- **Current flight conditions and observations— visibility, altimeter, wind direction and speed, temperature, dew point, and time of observation**

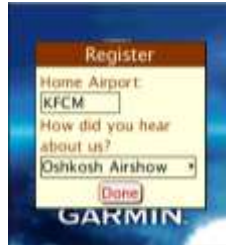
To Subscribe:

Web: visit www.my-cast.com/pilot available 24/7

Phone: 1-866-669-2278 available 8am-5pm Central Time, Monday-Friday

Using Pilot My-Cast by Garmin™

Initial Start-Up



Once you purchase and download the program you will be prompted for two things: your home airport identifier - with or without the leading 'K' - and how you heard about Pilot My-Cast. When these have been entered and selected, select **DONE** to register your subscription and start using the program

Main Menu

Upon startup, Pilot My-Cast authenticates your account and downloads your saved airports list. Initially, you'll have just your default airport. Pilot My-Cast displays your current airport and its current conditions (flight condition, Cloud Cover, surface temperature in Fahrenheit and Airport ID) at the top of the screen and presents you with the following options:

- Messages**
- Airports/Routes**
- Wx Briefing**
- Flight Planning**
- Pilot Profile**
- Help & About**
- Exit (soft key)**



This list of options is the program's startup menu. From this list, select a type of weather or other pilot information for your airport. Pilot My-Cast quickly captures real-time data upon each menu selection. No matter where you are in the Pilot My-Cast application, you can easily navigate back to this startup menu and request specific weather information for your current airport by pressing the **Back** key.

Selecting **Airports/Routes** on the startup menu allows you to switch airports or routes before requesting any weather information.

Help and About explains the various options on this screen.

Select **Exit** or press your **END** key here or anywhere in Pilot My-Cast, to end the program and take you back to the handset's menu.

Message

The Message feature allows you to view important information from Pilot My-Cast. It will only show up when a new message arrives or when you first use the application. Selecting this option will show any available messages. This message will only be available for the duration of your session. When the program is restarted the Message menu item will not appear until a new message arrives.

Airports/Routes

Whenever you select Change Locations from a menu or as a soft key option, Pilot My-Cast displays a list with a heading of “Airports/Routes”. The first entry in the list is **New...**, followed by your saved airports and routes. Airports are denoted by a blue box with the letter “A” inside. Routes are noted by a red box with the letter “R” inside.

Selecting an airport



To select a saved airport from the list, use the up and down navigation keys to highlight the desired airport, and push the center or “OK” button on your handset. This prompts a pop-up box to appear, letting you change to that airport or delete it from your list.

When you select an airport, Pilot My-Cast sets your current airport to the selected airport, and displays the name of that airport at the top of most screens.

If you are in Airports/Routes and select an airport while viewing a particular type of weather (i.e. Radar Loop), Pilot My-Cast immediately retrieves that type of weather for that airport (i.e. My-Cast gets the radar for the new selected location). If you were on the Main Menu when you chose Airports/Routes, Pilot My-Cast only sets your current airport to your new selection. No weather is retrieved until you choose a weather type.

Removing an airport

To remove an airport from your saved list, scroll down to highlight the airport you wish to remove, and then select **Delete** from the menu. Pilot My-Cast will remove the airport. You cannot remove your initial, default airport.

Adding an airport



To add a new airport, highlight **New...** and push the select button. Pilot My-Cast will display its New Airport screen. You may specify a new airport by its 3 or 4-digit airport code (e.g. with or without the leading ‘K’) or a nearby VOR or intersection.

Note: Some phones use “Word” (T9) text entry by default. Press the phone’s menu key and change to “Alpha” text entry to more easily type in your airport identifying information.

Once you have entered in the airport scroll down and select **Done**. You then have the option of getting the weather for that airport, without saving, or instructing Pilot My-Cast to “remember” that airport and add it to your saved list of locations. To add the location to the list, select “Yes” and press the OK button. If you do not choose to save it to your list, you will still have the option of later saving that location.

Pilot My-Cast will inform you when entering an airport or other identifier that does not exist.

Setting a Route



Use your route to get weather information along your flight path, or to see the route drawn out on the radar map, weather map, or other imagery.

To create a route, select **New...** and then **New Route**. From here, enter your departure and destination airports. Please include the leading ‘K’ if it is an airport identifier, or you may enter a 3-digit VOR. In the **Route of Flight** text box you can enter any waypoints you may be stopping in, or leave it blank. Enter multiple waypoints by leaving a space between identifiers or VORs. Select the **Done** soft key when you are finished.

Once you have entered in the route scroll down and select **DONE**. You then have the option of getting the weather for that route, without saving, or instructing Pilot My-Cast to “remember” that route and add it to your saved list of locations. To add the route to the list, select **Yes** and press the OK button. You can then rename the Route to something that means more to you than the identifiers. If you do not choose to save it to your list, you will still have the option of later saving that route.

Wx Briefing

Weather Briefing is where you will find weather maps and text data for your selected airport. Choose from the following menu items to view the information that interests you.

Radar

When you select Radar, Pilot My-Cast retrieves the radar imagery (precipitation imagery) for your current airport. This may take several seconds. While you wait, the status screen will indicate the progress of the task with messages like “Connecting” and “Downloading” with a progress bar.



Upon completion your Pilot My-Cast radar loop will appear. Radar indicates recent and current precipitation over a map centered on your chosen airport, or showing your route if you selected a route as your location.

Light green indicates the lightest rain detectable by NEXRAD radar. Darker greens indicate more substantial rain. Yellows and oranges depict heavy rain with reds indicating the heaviest rain, with possible hail. Blue on the radar loop indicates snow, with lighter blue being lighter snowfall and darker blue heavy snowfall. Pinks and reds indicate a mix of sleet, ice, snow and rain.

Movement of showers is easy to follow by viewing the loop, and in this way you can see if rain, snow, etc. is heading your way. Occasionally stagnant lighter colors will be indicated in a circle around a radar sight. These are false radar returns – ground clutter, anomalous propagation, or even insects. You can almost always tell these returns are not precipitation because they are not moving across the map and because their texture is not as solid as actual precipitation.

The **Radar Menu** includes these options:

- Reverse View (if viewing a route)**
- Zoom in**
- Zoom out**
- Locations**
- Reload**
- Help**

Select **Reverse View** to center the map on the beginning or the end of your route. *If you are not viewing a route this option will not appear.*

Select **Zoom in** for a closer view around your airport. The zoomed-in view is usually only a few counties wide.

Select **Zoom out** for a wide view. An entire region, i.e. many states, usually fits within the zoomed-out view.

Select **Locations** to change the airport that is centered in the image. As with any weather type, you can get radar immediately for a new or different airport by selecting Locations. Choose from your saved list or enter a new airport.

Select **Reload** to get a fresh view of your current image. NEXRAD radar scans are made every six minutes during precipitation; our image is updated every 2 to 3 minutes to get all the latest NEXRAD scans across the country.

Select **Help** for radar-specific help information.

Note: Pilot My-Cast looping images, such as radar, have an "auto-loop" feature, animating the radar frames over time. You can instead decide to manually scroll through each frame of the loop by pressing the right and left arrow on the navigation key. To restart the auto-loop, simply select the center OK key.

Airmets/Sigmets

When you select Airmets/Sigmets, Pilot My-Cast retrieves the airmet and sigmet maps for your current airport. Pressing the right navigation key will show the following data:

Icing
Turbulence
IRF/Mtn Obsc
Convection



Icing shows icing airmets (blue) and icing sigmets (red).

Turbulence shows turbulence airmets (orange) and turbulence sigmets (red).

IRF/Mtn Obsc shows IFR areas (purple), mountain obscuration (magenta) and volcano, dust, or other miscellaneous sigmets (red).

Convection shows convective outlooks (yellow) and convective sigmets (red).

Use the left and right navigation keys to scroll through the maps.

The Airmets/Sigmets menu includes these options:

Reverse View (if viewing a route)
Zoom in
Zoom out
Locations
Reload
Help

See [Radar Menu](#) for a detailed description of these options.

Note: the map sizes on the airmet/sigmets maps generally cover larger areas than the other Pilot My-Cast imagery so that it is more convenient to view the large airmet and sigmet regions on a national scale.

Note: Airmet/Sigmet maps are updated with the latest data every 10 minutes.

Weather Map

When you select Weather Map from the main menu, My-Cast downloads all METAR and lightning data near your current airport. After downloading the data, My-Cast displays a set of pannable “pages” displayed over a base map. Not all of the weather map is visible, as it extends past the handset’s viewable area in every direction. Initially, only the center of the map is visible. You may view the entire image by panning up, down, left and right to move the map North, South, West and East using the navigation button on your handset. The slider bars at the bottom and right side of the screen indicate which directions are available for panning.

Weather Map is a set of “pages”; each page containing different data. These pages include the following:

- Station ID**
- Flight Conditions**
- Lightning**
- Weather Conditions**
- Cloud Ceiling**
- Visibility**
- Wind Barbs**
- Cloud Cover**
- Altimeter**
- Temperature**
- Dew Point**
- Age of Observation**

Switch between the pages using the center OK key.

Station ID shows the airport identifiers of each airport represented on the map.

Flight Conditions shows icons representing the current flight condition at each reporting station. Flight condition is either VFR (visible flight rules), MVFR (marginal visible flight rules), IFR (instrument only flight rules), or LIFR (limited instrument only flight rules). Flight condition is determined by the worse of the ceiling and visibility conditions. This page shows both the ceiling and visibility condition:

- Top half of Circle -- Ceiling condition
- Bottom half of Circle -- Visibility condition

The color code is as follows:

- Green = VFR
- Blue = MVFR
- Red = IFR
- Magenta = LIFR



Lightning shows lightning strikes. The color of each strikes indicate how long ago the strike occurred:

- White = 0-10 minutes old.
- Red = 10-20 minutes old.
- Orange = 20-30 minutes old.
- Yellow = 30-40 minutes old.
- Yellow-Green = 40-50 minutes old.

Weather Conditions shows latest observation of weather condition, if any, for each reporting station. The abbreviations are as follows:

- DZ - Drizzle
- RA - Rain
- SH - Showers
- TS - Thunderstorm
- FZ - Freezing
- SN - Snow
- BR - Mist
- FG - Fog
- HZ - Haze
- FC - Funnel Cloud (+FC for Tornado)
- BL - Blowing
- MI - Shallow
- PI - Partial
- BC - Patches
- DR - Low Drifting
- SG - Snow Grains
- IC - Ice Crystals
- PE - Ice Pellets
- GR - Hail
- GS - Small hail/Snow Pellets
- UP – Unknown precipitation
- FU - Smoke
- VA - Volcanic Ash
- DU - Dust
- SA - Sand
- PY - Spray
- PO - Dust/Sand Whirls
- SQ - Squalls
- SS - Sandstorm
- DS - Duststorm
- VC - In the Vicinity
- Light
- + Heavy

Cloud Ceiling shows the height of the lowest substantial cloud cover, in hundreds of feet.

Visibility shows the latest visibility reading at the surface in miles.

Wind Barbs shows current winds at the surface. The wind direction is FROM the direction the barb points. Each long hash at the end of the barb indicates 10 knots of wind. A short hash indicates 5 knots.

Cloud Cover shows total cloud coverage:

- Filled circle = overcast
- 3/4 filled = mostly cloudy
- 1/4 filled = partly cloudy
- No fill = clear
- Vertical line = few clouds
- X = obscured condition.
- Square box = an automated reading, clear to 12,000 feet

Altimeter shows the current atmospheric pressure. The display shows altimeter as the last 3 digits of hundredths of inches (e.g. 011 = 30.11 inches).

Age of Observation shows the time since the last observation, in minutes.

Cycling past the last page brings you back to page one.

The Weather Map menu also includes the following options:

- Reverse View (if viewing a route)**
- Zoom in**
- Zoom out**
- Locations**
- Reload**
- Show Key**
- Help**

See [Radar Menu](#) for a detailed description of these options.

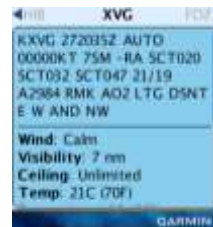
Select **Show Key** to view information about the flight conditions and cloud coverage pages.

Note: Reporting stations usually report new observations once an hour.

Text Data

When you select Text Data from the main menu, Pilot My-Cast retrieves all current text information available on the My-Cast servers for your selected airport and nearby airports, or for your route. Pilot My-Cast then displays a list of the information. Currently this list includes:

- METARs**
- TAFs**
- Winds/Temps aloft**
- PIREPS**
- AIR/SIGMETs**
- Area Forecasts**



Selecting an item from the Text Data list will show the data for that item. For example, selecting **METARs** will show the unformatted metar data for the selected airport (or first airport along a route). Scrolling down on the Metars screen shows the same METAR information that has been decoded for you. Scrolling to the right shows the same screen for nearby airports or airports along your route.

Selecting **TAFs**, **Winds/Temps Aloft**, **PIREPs**, **AIR/SIGMETs** or **Area Forecasts** from the Text Data menu will show the current data for your selected airport (or nearest reporting station). Note that you may need to scroll down to view all of the data. TAFs, Winds/Temps Aloft, PIREPs, AIR/SIGMETs and Area Forecasts only apply to the currently selected airport or airports if route is selected.

Lightning

When you select Lightning from the main menu, Pilot My-Cast retrieves the lightning strikes for your current airport. A pop-up box will appear first, letting you know how many strikes have occurred in the stated time period. Press the middle “**OK**” key on your handset to set the map into motion.

The lightning strikes will appear on the screen in the order they occur. The time of each frame of lightning is displayed in the lower right of the image, and shows all strikes occurring since the time of the previous frame. The strikes change color as they age. For example, strikes occurring in the current minute as stated on the image are shown as white. As they get older strikes get darker and eventually disappear.

The Lighting menu also includes the following options:

- Reverse View (if viewing a route)**
- Zoom in**
- Zoom out**
- Locations**
- Reload**
- Show Key**
- Help**

See [Radar Menu](#) for a detailed description of these options.

Note: Lightning data is updated every minute on My-Cast servers. The data on the images you download is just seconds old.

Note: each 3x3 area of pixels on this image is represented by a single “X”. This is true whether one strike occurred in that area, or multiple strikes.

Note: My-Cast looping images, such as radar, have an “auto-loop” feature, animating the radar frames over time. You can instead decide to manually scroll through each frame of the loop by pressing the right and left arrow on the navigation key. To restart the auto-loop, simply select center OK key.

PIREPs



When you select PIREPs from the main menu Pilot My-Cast retrieves a map of reported PIREPs centered on your current airport. Scroll around the screen to select any of the PIREPs using the direction keys. Press the center “OK” button to read the complete text of the selected PIREP.

The PIREP menu also includes the following options:

- Reverse View (if viewing a route)**
- Zoom in**
- Zoom out**
- Locations**
- Reload**
- Show Key**
- Help**

See [Radar Menu](#) for a detailed description of these options.

Select **Show Key** to view information about the PIREP symbols.

Winds Aloft



When you select Winds Aloft Pilot My-Cast retrieves a map which displays the current and forecasted winds aloft at various altitudes. Use the direction keys on your handset to scroll up in elevation, or to the right to advance the forecast time period.

The wind barbs are color coded:

- Gray:** Less than 15 kts at lower elevations,
Less than 30 kts at higher elevations
 - Light Blue:** 15-20 kts
 - Blue:** 20-30 kts
 - White:** 30-40 kts
 - Yellow:** 40-50 kts
 - Orange:** 50-80 kts
 - Pink:** 80-125 kts
 - Red:** over 135 kts
- A **circle** indicates calm winds.

The Winds Aloft map menu also includes the following options:

- Reverse View (if viewing a route)**
- Zoom in**
- Zoom out**
- Locations**
- Reload**
- Show Key**
- Help**

See [Radar Menu](#) for a detailed description of these options.

Select **Show Key** to view information about the Winds Aloft images.

TFR Map



When you select TFR Map from the main menu, My-Cast will retrieve a map of TFRs centered on your current airport. Scroll around the screen to select any of the TFRs using the direction keys. Press the center “OK” button on your keypad to read the complete text of the selected TFR.

If any TFRs are in the displayable region they will show up as a colored shape:

- Dark Gray:** Expired TFRs
- White:** Future TFRs
- Colored shapes** indicate active TFRs

The TFR Map menu also includes the following options:

- Reverse View (if viewing a route)**
- Zoom in**
- Zoom out**
- Locations**
- Reload**
- Show Key**
- Help**

See [Radar Menu](#) for a detailed description of these options.

Select **Show Key** to view information about the TFR circles.

NOTE: TFR maps are updated every 10 minutes and are derived from data provided from Jeppesen.

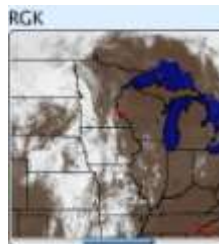
IR Satellite

Also called Infrared Satellite or just IR Sat. When you select IR Satellite, Pilot My-Cast retrieves the infrared satellite image centered on your current airport. Infrared images measure the temperature of cloud tops. Cooler cloud tops indicate higher tops and generally thicker clouds. The highest cloud tops appear light blue in the Pilot My-Cast images.

Infrared satellite is always available. The infrared images are taken at a resolution of 4 kilometers, while the visible are at the higher resolution of 1 kilometer.

The IR Satellite menu also includes the following options:

- Reverse View (if viewing a route)**
- Zoom in**
- Zoom out**
- Locations**
- Reload**
- Show Key**
- Help**



See [Radar Menu](#) for a detailed description of these options.

Note: Pilot My-Cast looping images, such as infrared satellite, have an "auto-loop" feature, animating the frames over time. You can manually scroll through each frame of the loop by pressing the right and left arrow on the navigation key. To restart the auto-loop, simply select center OK key.

Note: The sizes of the infrared images are slightly more zoomed out than other imagery to allow for wider views of the cloud formations.

Visible Satellite

Also called Vis Satellite or just Vis Sat. When you select Visible Satellite, Pilot My-Cast retrieves the visible satellite imagery for your current airport. The visible satellite image is simply a photograph of clouds from space. It has the advantage over infrared satellite of having a finer resolution of 1 kilometer. However, the visible satellite image dims as the sun goes down and shows no cloud cover at night.

The Visible Satellite menu also includes the following options:

- Reverse View (if viewing a route)**
- Zoom in**
- Zoom out**
- Locations**
- Reload**
- Show Key**
- Help**



See [Radar Menu](#) for a detailed description of these options.

Note: My-Cast looping images, such as radar, have an "auto-loop" feature, animating the radar frames over time. You can instead decide to manually scroll through each frame of the loop by pressing the right and left arrow on the navigation key. To restart the auto-loop, simply select the center OK key.

Flight Planning



To use the Flight Planning feature you must first have a route as your chosen airport, or the application will prompt you to create one. See [Airports/Routes](#) above for instructions on how to do this.

Once you have selected a route to get the information for Pilot My-Cast will prompt you for the following information:

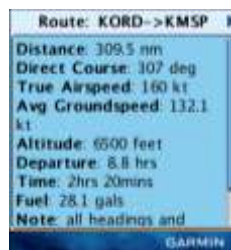
- ETD**
- Altitude**
- TAS**
- Aircraft** (the aircraft you will be using. See [Pilot Profile](#) below)

The Flight Planning menu also includes the following options:

- Wx Briefing**
- Route Times**
- FAA Flight Plan**
- Reverse Route**
- Edit Route**

Select **Wx Briefing** to view weather maps and text data for points along your flight path. See [Wx Briefing](#) above.

Route Times



Route Times is a utility for calculating distance and fuel burn for your current route. View a summary of your entire route and information for each leg of the trip.

FAA Flight Plan

Use FAA Flight Plan along with your current route to file a plan with the FAA. This feature requires a valid account with a DUATS provider. If you have not already added your DTC DUAT or CSC DUATs login credentials into your [Pilot Profile](#) you will be directed to do so. Once you select **Confirm** to File, Cancel or Close the plan, Pilot My-Cast logs into your DUATS account for you and files it via their service. It will be pushed out to the FAA on your DUAT provider's schedule.

The FAA Flight Plan menu also includes the following options:

- File Plan**
- Cancel Plan**
- Close Plan**
- Pilot Profile**
- Main Menu**



Select **File Plan** to enter the required information to file a flight plan with the FAA.



Select **Cancel Plan** to send a request to cancel a plan that has been submitted to your preferred DUATS service provider. Provide the aircraft, departure time and flight type for the plan that was filed.

Select **Close Plan** to close an open VFR or IFR flight plan.

Select **Pilot Profile** to edit your pilot and aircraft info (see [Pilot Profile](#) below).

Edit Route

Edit Route allows you to modify your route by changing departure or arrival airports or waypoints.

Pilot Profile



Use the Pilot Profile feature to enter pilot and aircraft information required to file a plan with the FAA.

The Pilot Profile menu also includes the following options:

- Pilot Information**
- Aircraft**
- File Service**

Select **Pilot Information** to enter your personal information. The application will prompt you for your name, telephone number and address.

Select **Aircraft** to enter specific information about your aircraft (see [below](#)).

File Service

Select **File Service** to enter your DTC DUAT or CSC DUATs login information. You will need an account with one of the aforementioned services to use this feature. If you have accounts with both services you can enter your login information for each if you wish. Check the **Preferred** box under the DUATS service that you want to file through.

Please register for one of them by going to:

<https://www.duat.com/form/getaccess.frm>

or

<http://www.duats.com/duats.cgi>



Aircraft

Use the Aircraft feature to enter aircraft information required to file a plan with the FAA and to compute route information. Use the same designators that you would use when filing your plan with your existing DUATS provider.

Select Add to add an aircraft to your list. These aircraft will then be available in the Flight Planning tools or when filing with the FAA.

Pilot My-Cast will prompt you to enter the following:

- Aircraft Identifier**
- Type**
- Color**
- Equipment Suffix**
- Home Base ID**
- Default Fuel (gallons)**
- TAS (kts)**
- Fuel Burn (g/hr)**



Type: Simply enter the official International Civil Aviation Organization (ICAO) Aircraft Type Designator, just as you would if you were using your DUATS account directly from your computer. If you do not know what the official Type Designator is for your aircraft, you can search the ICAO database here: <http://www.icao.int/anb/ais/8643/> To see a list of all aircraft for a particular Manufacturer, enter the Manufacturer's name into the search form, leave the other fields blank, and click search. For example, to see all aircraft made by a Manufacturer with "american" in its name, enter "*american*" (without the quotes) and click search.

Color: On those phones which do not have a "Color Picker" available when entering aircraft color, you will need to enter either the ABBREVIATION or the WORD from the following list:

A	Amber	GD	Gold	S	Silver
B	Blue	GY	Gray	T	Tan
BE	Beige	M	Maroon	TQ	Turquoise
BK	Black	O	Orange	V	Violet
BR	Brown	P	Purple	W	White
G	Green	PK	Pink	Y	Yellow
R	Red				

Help & About

Wherever you are in the Pilot My-Cast application, you can select Help to view information on the features of the current screen.

FAQ

How do I determine my aircraft “Type” when filling out my aircraft information?

Enter the ICAO Aircraft Type Designator, just as you would enter it into your existing DUATS account via your computer. More info can be found here: <http://www.icao.int/anb/ais/8643/>

How do I enter the proper color for my aircraft when filling out my aircraft information?

Enter color information just as you would into your existing DUATS account. The official color code list (and other DUATS info) is available here: ftp://ftp.duats.com/pub/flyers/Flyer1998_19.pdf

How do I enter multiple colors for my aircraft?

Enter each color needed, separating them with the “/” symbol (available by using the “1” key on your phone). If your phone has the “Color Picker” option available, simply continue selecting the colors required for your aircraft from the dropdown menu until finished.

How do I change airports?

To add a new airport: From the main menu, select “Airports/Routes”, then select “New...”, then select “New Airport”. Type in the 3 or 4 letter airport identifier (with or without the leading “K”) and select “Done”. You will be given the option to save the airport to your list of favorites.

How do I enter a Route?

From the main menu select “Airports/Routes”, then select “New...”, then select “New Route”. Enter the 4 digit airport identifier for your departure and destination airports. (Be sure to include the “K”, if applicable.) If it is not a direct flight, you can enter waypoints for the route by scrolling down to “Route of Flight” and entering VORs, FIXes, or other airport identifiers. Separate waypoints by leaving a space between identifiers.

How will I know that my flight plan has actually been filed?

Once you select the “Confirm” button, your flight plan is immediately transmitted to your DUATS provider and filed via your account. The next screen will indicate that the flight plan was filed.

Where does Pilot My-Cast[®] get its weather data from?

All of the general weather information comes directly from the National Weather Service (NWS). Lightning strike information comes direct from Vaisala, while TFRs come from Jeppesen

How often is the weather data updated?

Surface meteorological reports, terminal forecasts, observations and advisories are viewable through Pilot My-Cast[®] as soon as they become available. Radar imagery is updated every 5-10 minutes. Lightning strikes are updated every minute.

Is Pilot My-Cast[®] an official FAA Weather Briefing?

No. Pilot My-Cast[®] is not a certified Official FAA Weather Briefing.