Owner's Manual:

iPed™ 5G 2015

Another Fine Program by PedFast Technologies™

PedFast Technologies

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Welcome

Congratulations!

PedFast Technologies™ welcomes you to iPed™ 5G 2015, the latest achievement in a 20-year-long string of achievements by the World Leader in Animal-Related Software.

The iPed™ 5G 2015 is the twelfth edition of our software, which was introduced in December 1991. Here is a time-line of our achievements:

Since its inception, PedFast Technologies (formerly known as Man's Best Friend Software) has prided itself on the fact that The Breeder's Standard™ is the technological leader in kennel management software. In 1991, we were the first program to embrace Microsoft® Windows™. In 1993, The Breeder's Standard™ was the first – and is still the only – kennel program ever to qualify for the "Microsoft Windows Compatible" logo, tangibly showing our commitment to ease of use and product quality.

The Breeder's Standard 2007™ refined this further, with the addition of COMPOUNDEX™ (powerful "sounds-like" matching on multiple words) and possessive-ignorant searching in the new DataSifter™ feature, and has extended our patent-pending technology into a duplicate-checking window on each and every dog. PedFast Technologies is the innovator in this industry. Some of our achievements:

- First Windows breeding software, The Breeder's Standard™, 1991.
- Only Windows breeding software to earn Microsoft Windows Compatible designation, 1992.
- First kennel software to be 100% compliant with AKC recordkeeping rules, 1991.
- First pedigree software to offer visual, intuitive pedigree entry, with our PedFast™ feature, 1991.
- First pedigree software to store animal pictures and print on pedigrees, 1992.
- First pedigree software to offer print-shop quality color pedigrees, 1993.
- First full-featured cattery management software, The Cattery's Standard™, 1994.
- First animal related software to open an internet web site, www.mbfs.com, 1995.

- First pedigree software to offer multiple pedigree configurations with our MegaPed™ feature, 1996.
- First company to offer interactive web-based pedigrees with NETigree®, 1997.
- First Windows-based horse stable management software, Equestrian's Standard™, 1997.
- First, and still the only, full-time product support department in the industry, 1997.
- First, and still the only, toll-free product support line in the industry, 1998.
- First windows-based pedigrees-only entry-level product, InstaPed™, 1999.
- First, and still the only, web-based cat show management system, EnterCat™, 2000.
- First fully-customizable pedigree layout system, Pedcasso™, 2001.
- First, and still the only, packaged custom pedigree layout sets, Pedigree Power Packs™, 2002.
- First, and still the only, web-based full-powered kennel management software, The Breeder's Standard .NET®, 2004.
- First full-powered ad-hoc reporting feature for kennel software, The Scoop™, 2005.
- CompuPed™ Millennium, the premier animal genetics program for Windows, completed in 2005.
- COMPOUNDEX™, the First and only, patent-applied for, possessive-ignorant animal name matching technology, found only in The Breeder's Standard™ 2007 and newer, released in 2006.
- First 100% Windows Vista compatible kennel program, including Vista compatible help, 2007.
- TBS 2008, with the first five-generation instant pedigree entry window, 2007.
- TBS 2012, the first 32 and 64 bit fully managed program for Windows and Mac, 2012.
- iPed™ 4G for the Mac, 2013.
- And now, iPed™ 5G 2015 for Windows, 2014.

And, as you can guess, we're nowhere near done with innovating. We've perfected what our "competition" cannot yet conceive.

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Getting Started

What you Need

Every computer program has prerequisites. Here are ours:

Windows OS

iPed™ 5G 2015 is designed to run correctly on the following Windows operating systems:

- Windows XP, 32 and 64-bit (with Microsoft .NET 2.0 installed)
- Windows Vista, 32 and 64 bits.
- Windows 7, 32 and 64 bits.
- Windows 8 or 8.1, 32 and 64 bits.

We recommend that you have at least 2GB of RAM, with 4GB or more preferable.

We recommend that you have at least 120MB disk space open for the initial install.

Generally speaking, any Windows compatible computer produced after January 1, 2007 should run iPed™ 5G 2015 without difficulty.

Installation: Ready, Set, Go!

In Windows, to install from our CD-ROM, you ned simply to place the CD-ROM into the drive. The front-end will display all of the programs on the CD; you simply need to choose the program that you wish to install.

To install from a download, you will end up with A Microsoft Installer (“MSI”) file. You double click on the MSI file to launch the installer.

For OSX, the program will come on a CD, and you simply insert it. Open the CD and it will bring up the installer.

Operate the installer. You will be asked to agree to our Software License Agreement, and then when you do, the program will be installed.

Upgrading from Previous Versions

iPed™ 5G 2015 is an all-new program. It does not work with previous versions as its predecessors did. To upgrade, you must follow these instructions:

1. **Do not** install iPed™ 5G 2015 into the same folder where any previous version resides.
2. **You create the database first** in iPed™ 5G 2015, and then run the Import BXF file to import a BXF export from previous versions of InstaPed™ or iPed™ to copy over the data from the files that contained the database in older versions of the program.
3. **Then you verify the copied database.** When you are satisfied, you delete the old program and all of its files. You may want to create a backup of the data for emergency reasons.

Activation

Once your program is installed, you will have 14 days to activate the program.

If you have purchased the program, please understand that ll sales are final and this 14 day period is not a trial. Trial periods are only allowed if you have not purchased the program before you installed. When you purchase the program, you've purchased the program.

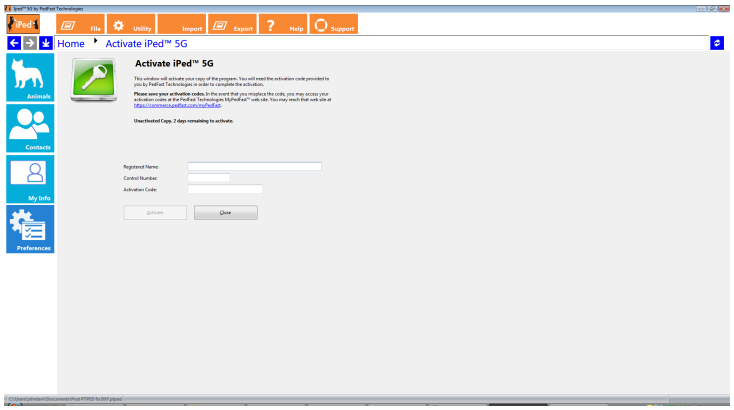
If the program expires, you **will not lose any data**. However, in order to work with the data, you will have to activate the program. You can activate the program at any time from when you first install it going forward.

To Activate iPed™ 5G 2015:

1. Click the Utility Button
2. Click the Activation button, which has an icon like this:

You will receive the Activation window.

The Activation window looks like this:



Your activation code email or sheet will contain the registered name. This name must be entered exactly as it is on the sheet, including capital and lowercase letters.

The control number is 6-7 digits long and must be entered exactly.

The activation code is 9-16 characters long and contains no character other than the numbers 0-9 or the letters A through F. Any "0" in the activation code is ZERO, not capital "o."

Once everything is entered, the "activate" button will light up, and you may click it, which will activate the program.

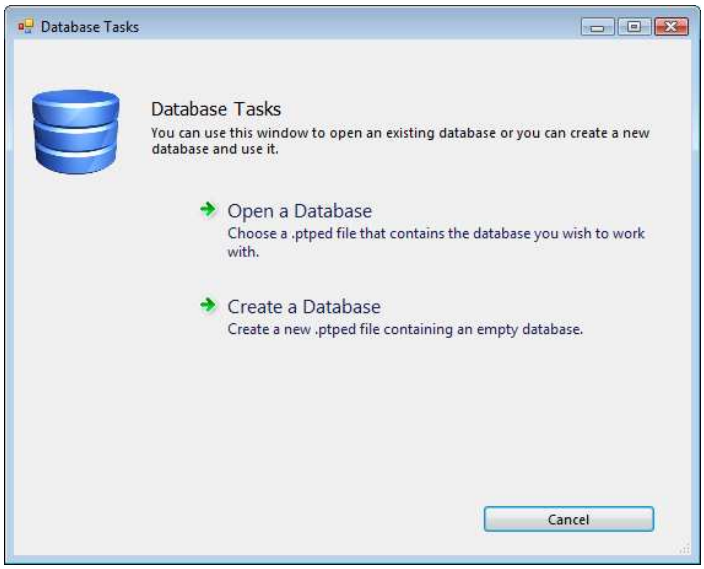
Using iPed™ 5G for the First Time

Opening a database

The first time that you start iPed™ 5G 2015, the program will ask you to open or create a database file. Also, while you are working in the program, you may choose to open another database by clicking on the File Menu and choosing change database. The button looks like this:

When you do either of these things, you will receive the Database Tasks window.

The Database Tasks window looks like this:



The Database Tasks window allows you to open or to create a database. The first time you run iPed™ 5G 2015, you must click to create a new database. This database is stored in a file with the ".ptped" extension.

If you click to create a database, the program will ask you the name of the .ptped file to create, and where to create the file. It takes about 10-20 seconds to create the database file on an average computer.

If you click on open a database, you will receive an open window that will allow you to select an existing .ptped file, which contains the databases for iPed™ 5G 2015, or The Breeder's Standard 2012 or later, or The Cattery's Standard 2013 or later or later, or CompuPed® 7G or later.

If you click to create a database, the program will ask you the name of the .ptped file to create, and where to create the file. It takes about 10-20 seconds to create the database file on an average computer.

Note for Windows users: Do not place the file in the root directory of the C: Drive or in any folder in the Program Files or Program Files (x86) folders. PedFast Technologies recommends that you place the .ptped file in your Documents folder or in a folder inside your documents folder.

The Look and Feel of the Program

iPed™ 5G 2015 is designed along the lines of Microsoft Office 2010 and later. Each window is designed in two halves, and commands are shown, along with status information, in the right dark pane. Things you can do for the entire database are shown in the Kennel Tab. Things you can do to dogs are shown in the Dogs tab. The Contacts tab contains what you can do with Contacts.

Clicking a tab brings up the work with window for a record type. This is a searchable list of records, which is used as the starting point for your work with those records.

The Menu Buttons

Along the top of the iPed™ 5G 2015 window are the menu buttons. These display menus or give you access to important functions. The menu buttons are:

-

The iPed™ 5G 2015 Home button (Ctrl+Shift+H): Brings up the Home page of the program.
-

The File menu button. Brings up the File menu, where you may create a database or exit iPed™ 5G 2015.
-

The Utility menu button. Brings up the Utility menu, where you can choose to Activate the program, database maintenance and master table maintenance.
-

The Import button. Brings up the BXF Import window, where you can merge in animal pedigree information from other users of our products, or from previous versions of iPed or InstaPed.

-

The Export button. Brings up the BXF Export window, where you can export data from iPed™ 5G 2015 to share with other users of our programs.
-

The Help button. Brings up the online help in iPed™ 5G 2015.
-

The support button. Brings up the PedFast Technologies online product support center, giving you options to get additional help with iPed™ 5G 2015.

Shortcut Keys

iPed™ 5G 2015 is equipped with several shortcut keys. Here's a list:

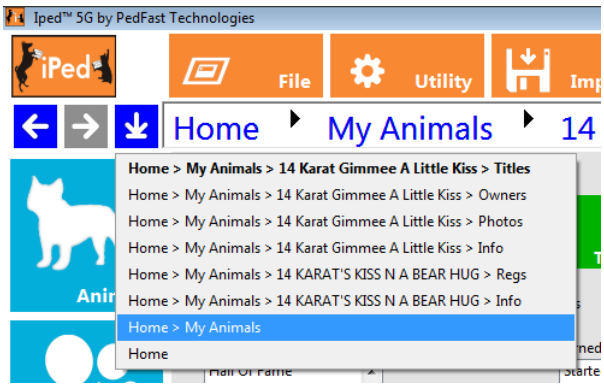
F3	Exit iPed™ 5G 2015. Closes the program and **does not save the work** on the last window you were working in.
Ctrl+Shift+H	Go to the Home Page of the program.

The Navigation Bar

iPed™ 5G 2015 is equipped with a navigation bar that shows you the previous several functions that you visited in the program. You can navigate backward or forward. The button at the far right of the navigation bar permits you to refresh the window without saving any changes you typed in.

The Back button, with the left-pointing arrow, goes to the previous place you visited. If there has been no such place, the button is greyed out and does not function.

The forward button, with the right pointing arrow, allows you to progress forward. If you have not used the left-arrow button or are at the end of the list, this button will be greyed out and will not function.



The list button, with the down arrow, will present a list of the last several places you have visited in the program. Clicking an entry on the list brings you to that place in the program.

IMPORTANT: Using a navigation button or link without saving your work in a screen that allows you to change things will cause that work to be lost.

The Home Page

When you start up iPed™ 5G 2015, or you click the iPed logo in the upper-left corner of the window, and you have opened a database, you will receive the Home Page. This is the starting point for using iPed™ 5G 2015.

The Home Page looks like this:

You will see a summary of your information you have entered into the program, and your activation status.

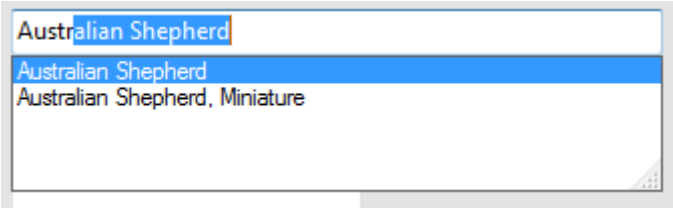
The party in whose name the program has been activated will be displayed below the calendar. If the program is not activated, the message will tell you how many days remain before the program must be activated to continue to operate.

Manipulating Data

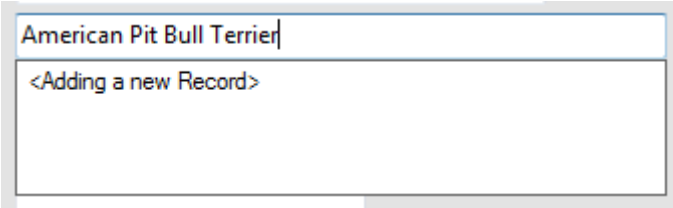
There are several different controls in iPed™ 5G 2015, which are all designed to make it easy for you to enter specific types of data. Here are a few:

Lookup Control

A Lookup control is used to look up data that is stored in the database and needs to be linked at a certain place. An example is the Breed field when you add a dog to the database.

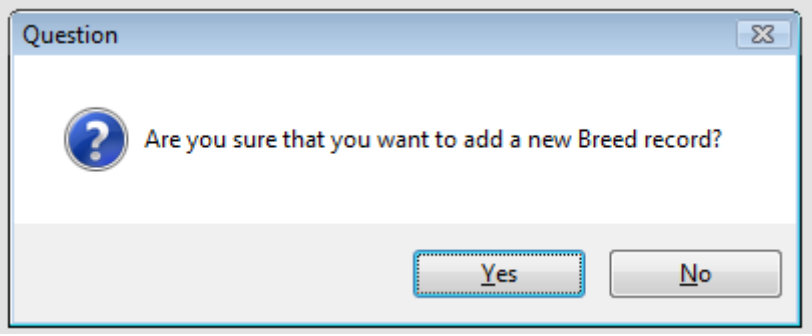


As you type in each character of the item you are looking up, the control below shows what options you have. Pressing an up or down arrow will pick a certain option and fill in the rest of the lookup control. Or, type the characters and finish your lookup. Pressing TAB or ENTER will register your choice.



If the lookup control allows it, in certain places you can choose to add a new record to the database. For example, if you type in a breed that is not in the database, the program will show you the control, tell you that you are adding a new breed (or contact or whatever is in that space).

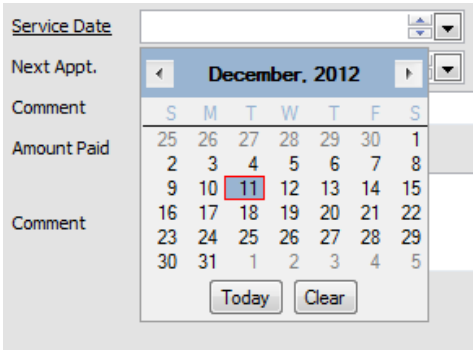
If you accept that entry with TAB or ENTER, the program will pop up and ask you if you want to add a new record to the database, and take you to a form that will quickly add the information for you.



If you choose "Yes," you can add the record rapidly. If you choose "No," your entry will be abandoned and you will need to retype an entry.

Calendar Control

When you have need of choosing a date, iPed™ 5G 2015 will give you a calendar control.

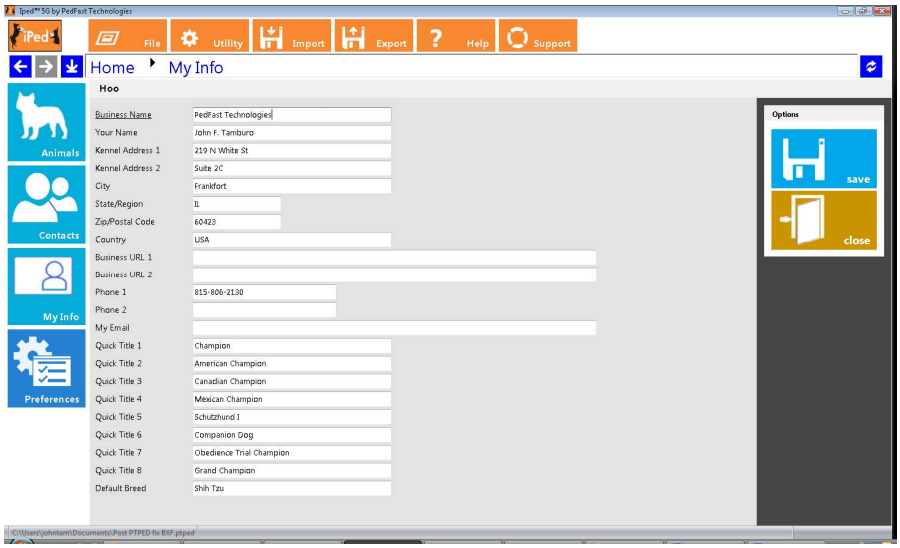


The My Info Page

My Information

The My Information window gives iPed™ 5G 2015 information about your business. It is used in MegaPed for providing the name and address associated with a pedigree. You also see this information on the Home Page.

The My Info page looks like this:



The only field you are required to enter is the Business Name. However, you can also enter your name, address, two phone numbers, email and two web addresses.

You can also choose the default breed for the animals that you enter, as well as eight titles for the Quick Titles feature of the program.

When you click on the right to save, the kennel information is saved and you are then switched to the home page.

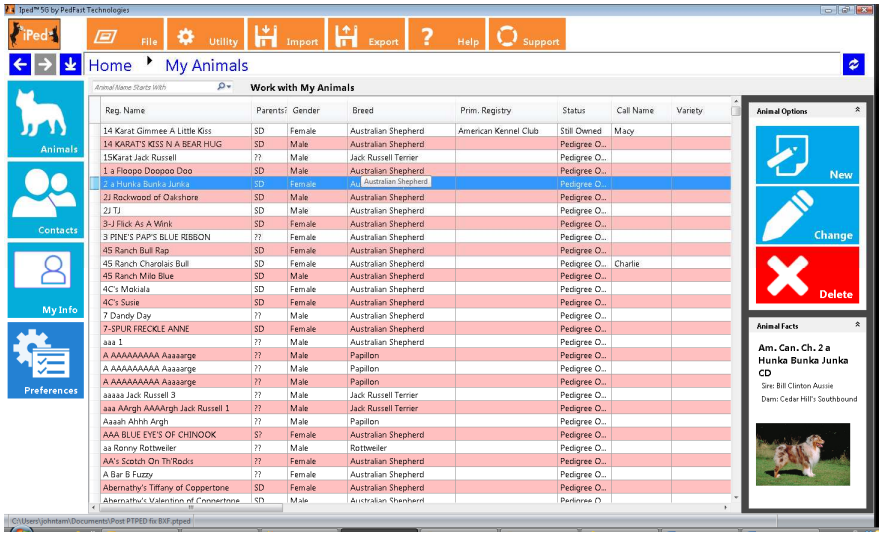
Clicking the “Close” link will close the window and return to the home page, without saving your changes.

The My Animals Page

The My Animals Page: Overview

Whenever you touch or click the My Animals button, you will receive the My Animals page. This page features a list of animals in the program. You also have a means to rapidly move through the list, as well as links to add, change or delete animal records in the database.

The My Animals Page looks like this:



Clicking or using the arrow keys to scroll up and down through the list will change the current animal in the list that is selected. You can then choose to edit the animal record you selected from the right side command list, or you can click touch or any button on the right side of the page to perform the described action on the animal.

To add a animal to the database, click or touch the Create button on the right hand side of the page.

To delete a animal, you click or touch the delete button on the right hand side of the page.

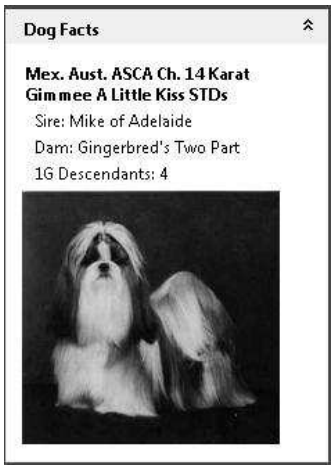
The Animal Facts pop-up

As you select animals, you may see a pop-up window on the right hand side. This window contains facts about the highlighted animal. These facts include:

- Titled Name

- Sire and Dam names
- How many first-generation descendants of this animal appear in the database.
- Photo if present
- A LINK to the animal's OFA information page, if iPed™ 5G 2015 has its OFA record ID (not OFA Number) in its database.
- A red highlighted warning if there are one or more animals with identical case-and-possessive-ignorant registered names on the database.
- An orange highlighted warning if there are one or more animals with similar-sounding registered names on the database.

The Animal Facts popup looks like this:



The information contained in the window changes as you change the selected animal.

Changing an Animal's Information

Navigation Buttons

There are buttons to navigate between the different pages where you can change an animal's information. These pages are found by touching or clicking the buttons below:

	Clicking or touching this button leads to the Animal Information page.
	Clicking or touching this button leads to the Animal Owners Page.
	Clicking or touching this button leads to the Animal Titles Page.

	Clicking or touching this button leads to the PedFast™ V Pedigree Maker page.
	Clicking or touching this button leads to the Animal Registrations Page.
	Clicking or touching this button leads to the Animal Photos Page.
	Click or touching this button leads to the Animal Extra Fields Page.

Feature Buttons

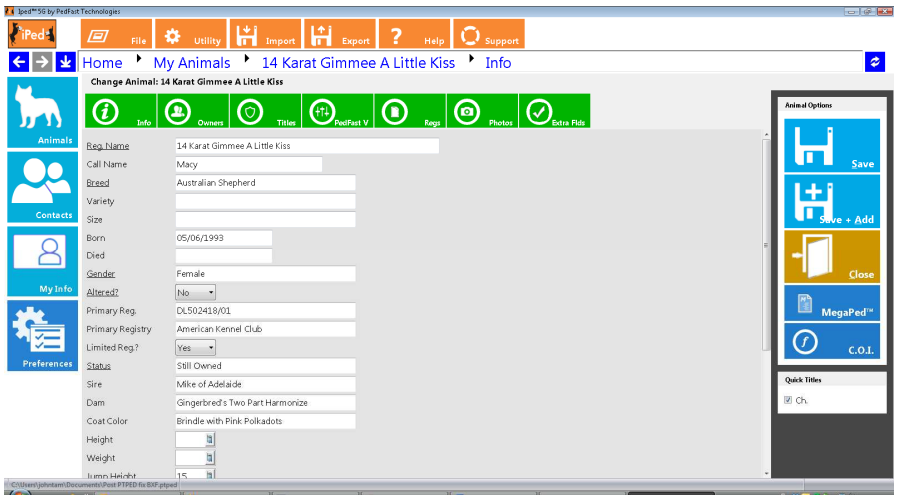
In Addition, the Animal Information Page contains two Feature Buttons. Feature buttons lead to features that do not directly change information for the Animal. The Feature buttons are:

	Clicking or touching this button leads to the MegaPed™ Pedigree Printing system included in iPed™ 5G 2015.
	Clicking or touching this button leads to the Coefficient of Inbreeding calculator for iPed™ 5G 2015.

The Animal Information Page

The Animal Information Page is where you add or change the basic information for an individual animal. You have several fields with which to work, as well as choices of other pages of animal information.

The Animal Information page looks like this:



As with all pages in iPed™ 5G 2015® 2012, the required fields have underlined descriptions. In the case of this window, Registered name, Breed, Gender, Altered flag and Status.

You have the following fields to work with:

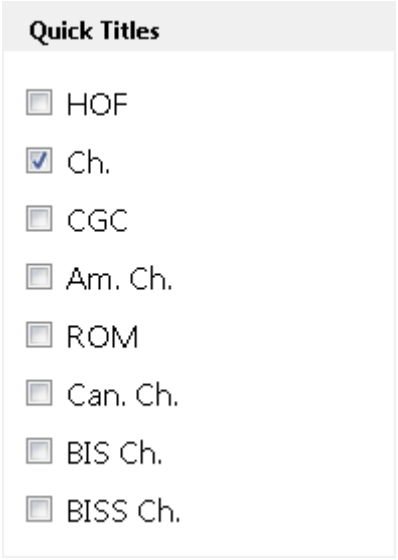
- **Reg. Name:** This is the registered name of the animal, *excluding* titles. Enter the name, up to 75 characters here.
- **Call Name:** Use this field for a call name or nickname.
- **Breed:** This is a lookup control to let you pick the breed of the animal. If it does not exist in the database, you will be given the opportunity to add it here.
- **Variety:** For breeds with varieties, type it in here. This will be used in show entry forms where relevant.
- **Size:** This is a free form field for entering generalized information about the size of the animal, for example, a Giant Schnauzer vs. a Standard Schnauzer.
- **Born:** Date of Birth. Unlike previous versions of this program, approximate or circa dates are allowed.
- **Died:** Date of Death. Unlike previous versions of this program, approximate or circa dates are allowed.
- **Gender:** Choose the animal's gender. Type "M" for Male or "F" for female, and this lookup control will fill in the rest, press TAB to go on to the next field.
- **Altered?:** Type "Y" if this animal has been spayed or neutered. Type "N" if this animal has not been spayed or neutered. Press TAB to go on to the next field.
- **Reg. Number:** This is the primary registration number for the animal. iPed™ 5G 2015can handle 25 characters including spaces. Lowercase letters are automatically rendered in capital letters.
- **Primary Registry:** This lookup control will allow you to look up the Primary Registry of the animal, the registry with which the registration number is associated. The registry must exist in the database already. If you need to add a registry, please first go to the Utility Tab, click Registries, and choose to add a registry.

- **Limited Reg?:** Type Y if this is a limited Registration, N if it is not.
- **Status:** Required. This displays the status of the animal, in iPed this is used merely for documentation purposes. The statuses available to you are:
  - Still Owned
  - Sold
  - Pedigree Only
  - Out on Lease
  - Litter Offspring
  - Leasing
  - Imported Animal
  - Given Away
  - Deceased
- **Sire:** This is the name of the animal's sire. This is a lookup control. If you type in a new name, you'll have the option to quick-add the name to the animal database.
- **Dam:** This is the name of the animal's dam. This is a lookup control. If you type in a new name, you'll have the option to quick-add the name to the animal database.
- **Coat Color:** Type in the animal's coat coloration.
- **Height:** Type in the animal's height at the withers.
- **Weight:** Type in the animal's weight as measured in your country.
- **Jump Height:** Type in the animal's Jump height for agility, if applicable.
- **Eye Color:** Type in the animal's eye coloration.
- **DNA Profile #1:** This is one of two possible DNA profile codes for this animal.
- **DNA Profile #2:** This is one of two possible DNA profile codes for this animal.
- **Tag/Tattoo:** This is the Tag or Tattoo identification for this animal.
- **COI:** This is the Sewall Wright Coefficient of Inbreeding for this animal. You can enter any number less than or equal to 1.0, or you can press the "Calc" button to the right to calculate the COI for this animal, up to 10 generations. iPed™ 5G 2015 will calculate this coefficient for up to 10 generations.
- **Stud Book:** This is the month and year this animal was published in the Stud Book of its primary registry.
- **Chip Number:** If your animal has an embedded chip, enter its number here.
- **Comment:** Enter a free form comment of up to any length here for internal reference. This comment is not available on reports and may be treated confidentially.

Quick Titles Panel

On the right hand side of the Animal Info page is the Quick Titles panel. The Quick Titles are set on the My Info page.

The Quick Titles panel looks like this:



For each quick title you set up (up to eight), you will have a check box. To assign a title to an animal, click or touch the check box to place a check into it. When you save the animal, it will have the title. Likewise, if you uncheck the box, you will remove the title if present.

Operations

Click or touch Save to save the animal to the database.

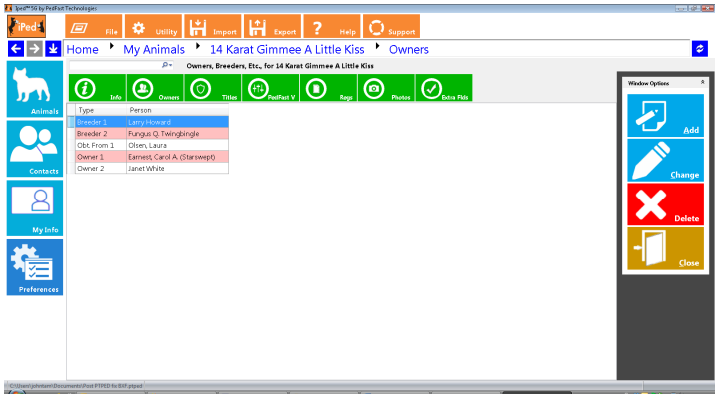
Click or touch Save + Add to save the animal to the database and give you another blank page to add another animal.

Click or touch Close to close the page and go back to the My Animals Page.

The Owners Page

iPed™ 5G 2015 uses the Owners page to track the owners, breeders, and or parties from who you obtained the animal.

The Owners Page looks like this:



The window lists each person linked to the animal, along with the type of relationship.

To add a person to be linked to the animal, click or touch Add.

To change a person linked to the animal or his or her relationship, click or touch the person and choose Change.

To delete the linked person from the animal, click or touch the person and then choose Delete.

To close the Owners page, click or touch Close and you will be brought back to My Animals.

Animal Contact Pop-Up

When you choose to add or change an entry from the Owners Page, the Animal Contact Pop-Up appears. This allows you to select or enter a person, and to choose a relationship between the person and the animal.

Choose or enter the name of the person, It is a lookup control; if you enter the name of a person not yet on the database, you are given opportunity to add it.

Then choose the relationship of this person to the animal by typing it in. You have the following choices:

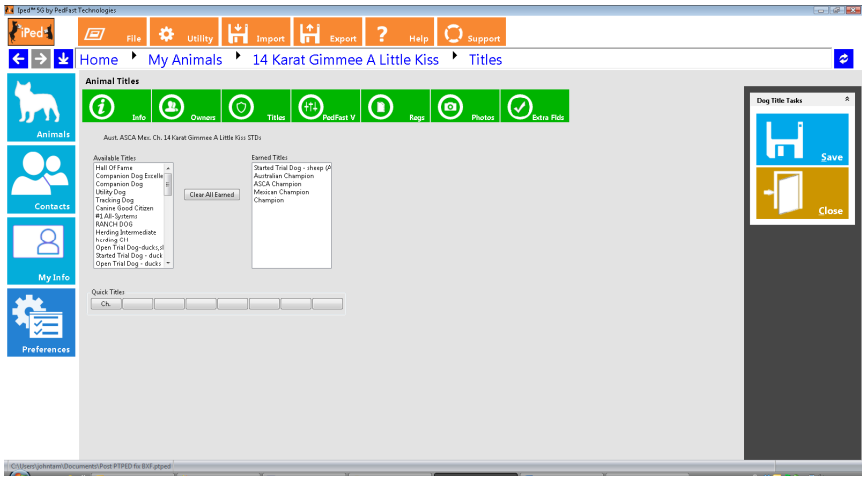
- Breeder 1
- Breeder 2
- Breeder 3
- Breeder 4
- Obt. From 1
- Obt. From 2
- Obt. From 3
- Obt. From 4
- Owner 1
- Owner 2
- Owner 3
- Owner 4

Click or touch Save to save the contact to the animal. Click or touch Close to close the pop-up window without saving any changes.

The Titles Page

iPed™ 5G 2015, in addition to the Quick Titles section on the Animal Information page, also has a fully interactive titles section on the Titles Page. From this page you can assign or reorder titles on an animal until you are satisfied with the look and feel of the animal's titled name, which is shown on the window.

The iPed™ 5G 2015 Titles Page looks like this:



You have two lists of titles: Available Titles and Earned Titles. You can Grab an available title and drag it onto the earned titles list, and you can choose what into what position the title will go.

You can click or touch the "Clear All Earned" button to remove all titles from the animal.

Click or touch a Quick Title button to add the title to the end of the Earned Titles list.

Click or touch Save to save the titles to the animal.

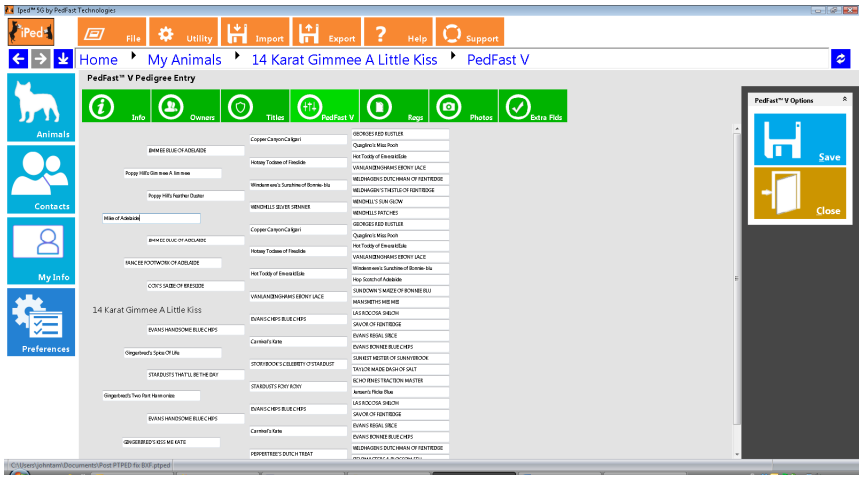
Click or Touch Close to close the titles page without saving the titles and to go back to the My Animals page.

PedFast™ V Pedigree Maker

iPed™ 5G 2015 has a feature that enables you to enter up to five generations of ancestry for an animal, PedFast™ V. It will look up existing animals, and will also add new animal names.

As you type in each name and press the TAB key, you will start at the top of each Generation and work your way down, first Sire then Dam, and so forth. If you type a name that already exists, the animal's ancestors will be filled into the pedigree automatically.

PedFast™ V looks like this:

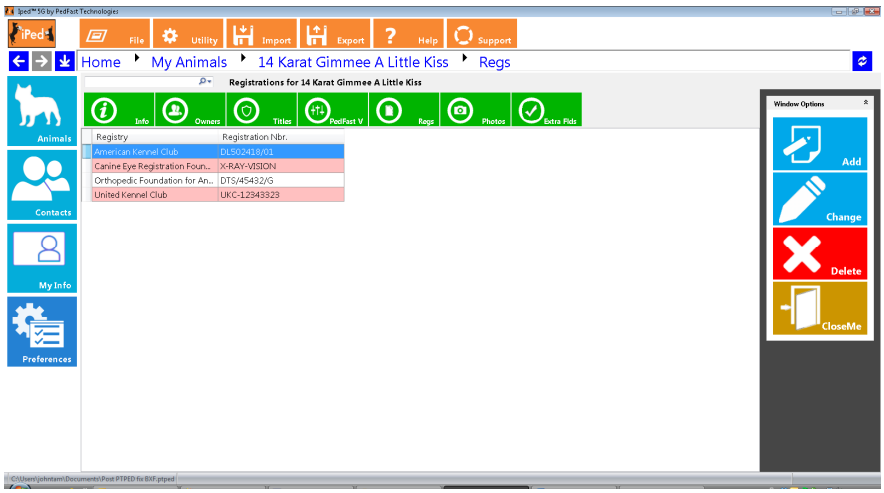


When you add new animals, they are added at the time of entry. However, to save the ancestry links you've defined, you must click or touch the Save button. If you click or touch the close button, none of the ancestry links you have typed in since the page was opened (or if you have clicked the save button after that, since the last click of the Save button. Clicking or touching the close button will bring you to the My Animals page.

Registrations Page

iPed™ 5G 2015 uses the Registrations Page to store registrations to animal registries, as well as medical certifications such as OFA and CERF. You may have any number of registrations per animal, however, you can only have one registration for each registry available. If you have a registry not included in iPed™ 5G 2015, you may add it from the Utility Menu, Registries page.

The Registrations Page looks like this:



The window lists each registration linked to the animal, along with the type of relationship.

To add a registration to be linked to the animal, click or touch Add.

To change a registration linked to the animal, click or touch the registration and choose Change.

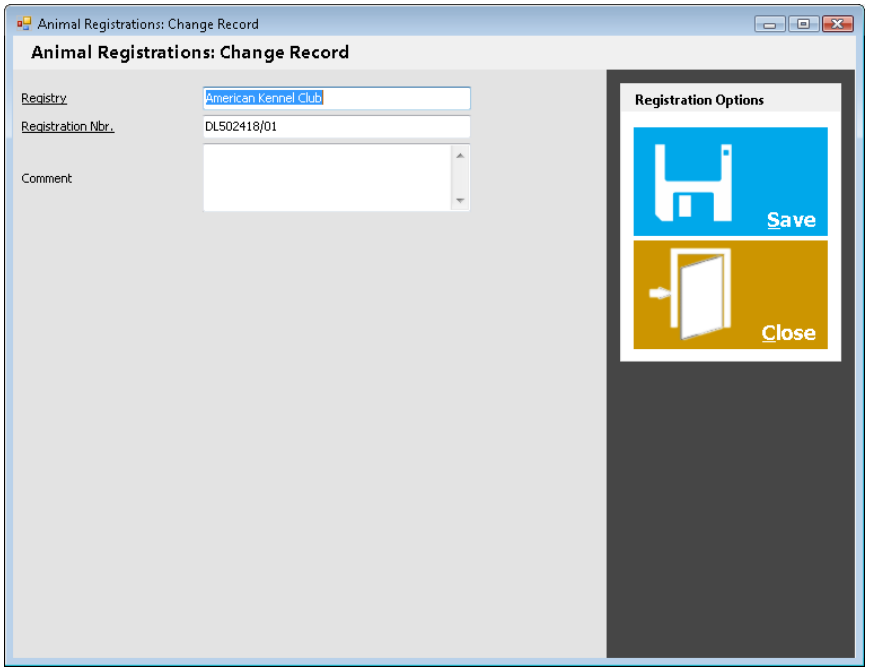
To delete the linked registration from the animal, click or touch the registration and then choose Delete.

To close the Registrations page, click or touch Close and you will be brought back to My Animals.

Animal Registration Pop-Up

When you choose to add or change an entry from the Registrations Page, the Animal Registration Pop-Up appears. This allows you to add a registration to the animal.

The Animal Registration Pop-Up looks like this:



Type in the name of the registry that you wish to look up. Then type in the registration number. Both of these fields are required. You also have an optional free-form comment field.

Click or touch Save to save the registration to the animal. Click or touch Close to close the pop-up window without saving any changes.

Photos Page

iPed™ 5G 2015 enables you to enter numerous photos for each animal, and to control which photo represents the animal on pedigrees. Use the Photos Page to add, change or remove photos from the animal.

The Photos Page looks like this:

The window lists each photograph linked to the animal, along with the type of relationship.

To add a photograph to be linked to the animal, click or touch Add.

To change a photograph linked to the animal, click or touch the photograph and choose Change.

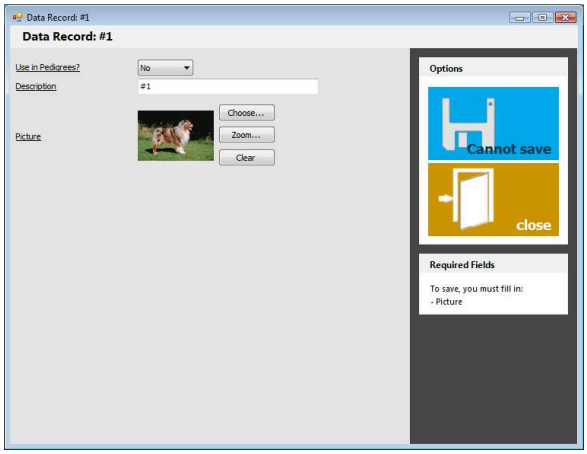
To delete the linked photograph from the animal, click or touch the photograph and then choose Delete.

To close the Photos page, click or touch Close and you will be brought back to My Animals.

Animal Photo Pop-Up

When you choose to add or change an entry from the Photos Page, the Animal Photograph Pop-Up appears. This allows you to add a photograph to the animal.

The Animal Photo Pop-Up looks like this:



You are presented with three fields, all of which must be filled in:

- **Use in Pedigrees:** choose Yes if you wish to use this photo in pedigrees. Choose No to not use the photo in Pedigrees. NOTE:If no photos have the Yes chosen, pedigrees that need photos will choose the first photo added to the animal. If more than one photo is chosen with Yes, then the first photo in the list with Yes in this field will be used.
- **Description:** This is a free form description of the photo.
- **Picture:** this field is the photo itself. There are three buttons:
  - **Choose:** Click this button in order to be presented with a file open window where you can locate and select a photo. JPG, PNG, BMP formats are all acceptable.
  - **Zoom:** The photo is shown shrunk to fit. Zoom will show the photo actual size, within the space allotted for the photo. Be advised that you will often be unable to see the whole picture.
  - **Clear:** Removes the presently-selected photo. You will need to select a new photo before the save button will activate.

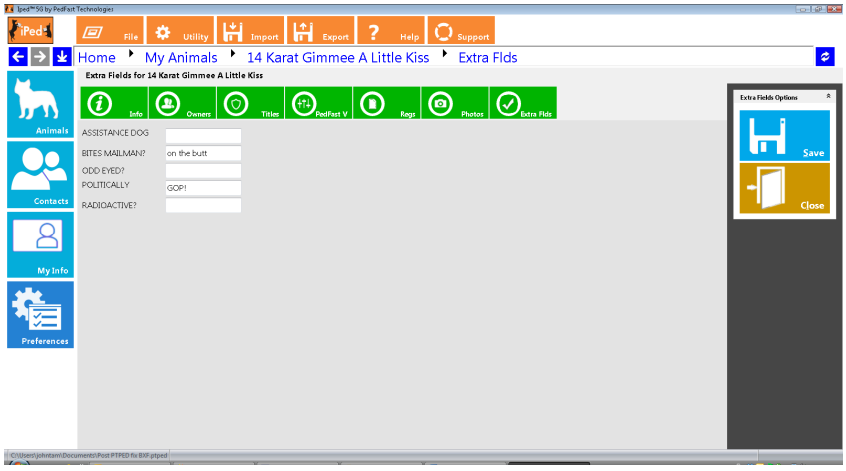
Click or touch Save to save the photo to the animal.

Click or touch Close to close the pop-up without saving your work.

Animal Extra Fields Page

You can use this page to add extra fields to any animal. You can define these fields in the Utility menu, Extra Field types section. Extra fields are printable on pedigrees in iPed™ 5G 2015.

The Animal Extra Fields page looks like this:



You will have one optional field for each field type you create in the program. The field may contain any text or number information. Numbers are treated as text and are not checked or formatted.

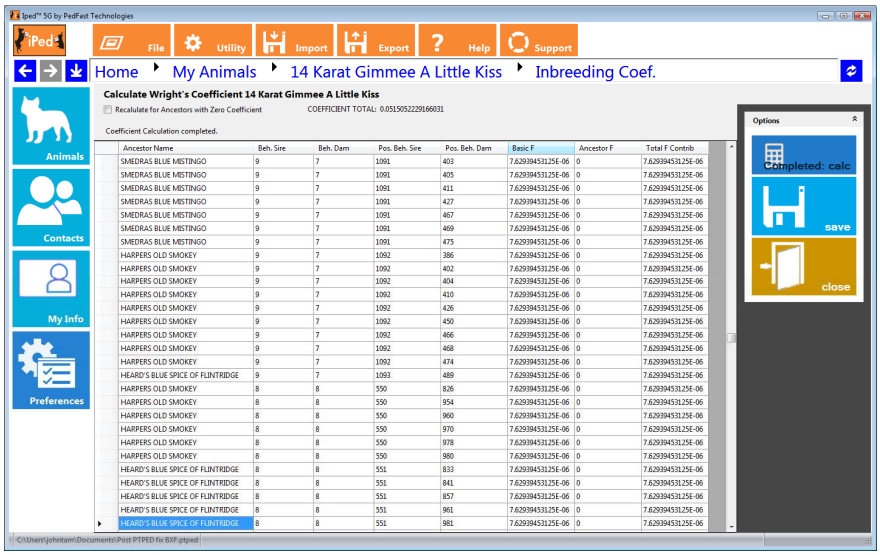
Click or touch Save to save the information you type into any of these extra fields. Click or touch Close to close this page and go back to My Animals.

Coefficient of Inbreeding

iPed™ 5G 2015 contains a 10-generation calculation mechanism for the Wright Coefficient of Inbreeding. Unlike previous versions of this software, the calculator "shows its work" and lists all of the ancestor calculation information, enabling you to see how each ancestor figures into the Wright COI calculation.

To access the calculation for any animal, you can go to the Animal's information page, and click or touch the "C.O.I." button. You will be presented with the page where the calculation will take place.

The Coefficient of Inbreeding page looks like this:



The page has one selectable option: "Recalculate for ancestors with zero coefficient." Using this option (by placing a check into the box) will recalculate the Wright coefficient for every ancestor with a zero coefficient. This calculation will be done with the available information. For example, an ancestor with a coefficient in the fourth generation can only calculate the coefficient to six generations. Even this calculation will, however, result in higher accuracy but will add to the time needed to calculate the coefficient.

Click or touch **Calc** to calculate the coefficient. When the calculation is done, click or touch the **Save** button to save the number into the animal. Click the Close button to close the page and go back to the My Animals page.

Explaining the Results Window

The results window has one line for each line connecting a common ancestor between the Sire and the Dam. Once a common ancestor is counted once, its direct ancestors are no longer counted. This is in accordance with the calculations for the Coefficient of Inbreeding.

You may see one ancestor appear several times as it connects to the corresponding ancestor on the other side of the pedigree.

The entries you will see for each line are:

- **Ancestor Name:** The registered name of the ancestor.
- **Beh, Sire:** The number of generations this occurrence of the ancestor lies behind the animal's sire.

- **Beh. Dam:** The number of generations this occurrence of the ancestor lies behind the dam.
- **Pos. Behind Sire:** the Ahnentafel position on the sire's side of the pedigree for this ancestor.
- **Pos. Behind Dam:** the Ahnentafel position on the dam's side of the pedigree for this ancestor.
- **Basic F:** The amount of inbreeding added to the coefficient because of this connection, *without* counting the ancestor's coefficient. The Coefficient formula is:

$$Fx = \sum ((0.5^{(N+N!+1)})(1 + Fa))$$

…in which Fx and Fa are the coefficients for the individual and the common ancestor, respectively, and N and N! are the number of generations between the common ancestor and the sire and dam, respectively. This number omits the "(1+Fa)" part of the calculation.

- **Ancestor F:** The Coefficient of Inbreeding for the Ancestor. If you have checked off the "Recalculate for ancestors" option, the program will recalculate the coefficient to the number of generations available to it.
- **Total F Contrib:** The total contribution, taking into account the Ancestor F, for this occurrence.

Important Notes

You need to be aware of some critical bits of information. First of all, it is possible to **skew the results** and over-report the coefficient of inbreeding by filling in open pedigree slots with "unknown" or "not recorded" or some other entry. That will be stored by the program as an animal, and will be consistently used in the calculations as a common ancestor.

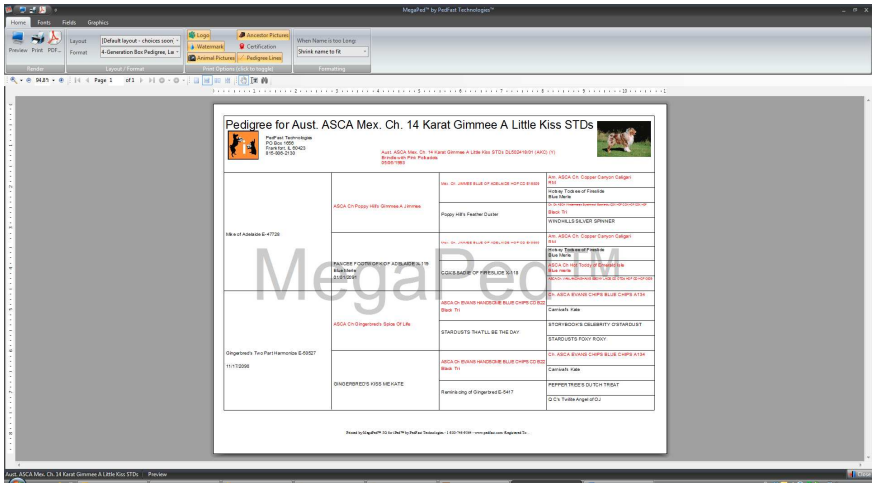
If you want an accurate inbreeding coefficient, you should <u>never</u> use dummy placeholder animals to indicate an empty pedigree spot. Please leave the spot empty. Moreover, future tools designed to help you navigate to pedigree holes to fill them in will not function properly, and the Sire / Dam indicator in the My Animals page will not be accurate.

MegaPed™ Pedigree Printing

MegaPed™ - An introduction

iPed™ 5G 2015 uses PedFast Technologies' MegaPed printing engine to create customizable pedigrees. In order to use MegaPed in the program, you go to the My Animals page, and double-click / double-touch an animal or click / touch an animal and then click/touch the MegaPed button on the Animal Info page. The MegaPed window then appears, and previews the pedigree using the latest settings.

The MegaPed window looks like this:



MegaPed is a tabbed window, similar to what you will see in Microsoft Office products.

You may go between the tabs, adjusting the look and feel of the pedigree. Then you can press the Preview button to see the pedigree.

Once you like what you see, choose the PDF button to print the pedigree into a PDF file, or the Print button to output the pedigree onto your default printer.

The close button is at the **lower right hand corner of the page.**

The MegaPed window tabs are explained below:

The Home Tab

The HomeTab comes up- when you first start MegaPed. There are several groups that give you options.

The Render Group

This group has the buttons in it to:

- **Preview:** Render the pedigree again in the window, using the settings presently set for MegaPed.
- **Print:** Render the pedigree using the settings set for MegaPed, to the printer you have attached to the computer. *NOTE: Changing the paper size or the orientation in the printer settings will not change the layout of the pedigree.*
- **PDF:** Render the pedigree using the settings set for MegaPed, to an Adobe® Acrobat® PDF file. You will be asked for the file name of the PDF file to save. *NOTE: Changing the paper size or the orientation in the printer settings will not change the layout of the pedigree.*

The Layout/Format Group

This group allows you to choose a layout and /or change the pedigree format to be used.

What is a pedigree layout?

A pedigree layout is a choice of format (see below), fonts, colors, fields, logo, watermarks – everything needed to render the pedigree as you specify.

When you choose an existing layout, it will set the values for all of these items. Anything you have set previously will be erased unless you choose to save a new layout before you change to a different one.

What is a Pedigree Format?

The pedigree format is the "blank form" of the pedigree. The page size, orientation, background, lines, number of generations, and a base font have been selected. If you change pedigree format, you can then adjust the other settings, preview and see what you get.

The program comes with several formats pre-installed. Coming soon, the Pedigree Power Packs will be available for this version of MegaPed, and will appear in this list.

The Print Options Group

The print options group lets you turn certain parts of the pedigree on or off. You have the following print options that can be switched on or off:

- Logo
- Watermark
- Animal Picture
- Ancestor Pictures
- Certification
- Pedigree Lines

Click or touch the button so that it looks indented to select to print the option; click or touch the button so that it does not appear indented to select not to print.

The Formatting Group

This group has one control that controls how long pedigree lines are handled. If the line is longer than the space allotted for it, MegaPed will attempt to get control over

it by doing what this control tells it. You have the following options for when the name is too long:

- Use Settings in Format: The pedigree format determines the settings.for long names.
- Shrink name to Fit: MegaPed reduces the font size until the name fits into the space that is provided for the name.
- Make name field wider: MegaPed tries to expand the name field to fit the name. This can cause names to run together.
- Wrap text to next line: MegaPed tries to wrap the text onto the next line. This can cause text to collide with lines 2 and 3.
- Let Name be Chopped Off: MegaPed lets the name get chopped off when the place is filled up.

Avoiding weird looking pedigrees:

To avoid weird font sizes, try these strategies:

1. Put only the animal's Titled name on line 1 (see the Fields Tab).
2. Choose "narrow" fonts if your animal names are long (see the Fonts Tab).

The Fonts Tab

The Fonts tab allows you to choose font face, weight and color for the pedigree elements. You can also choose the color of the lines in the pedigree.

Here's a sample font selection:

Use the drop down to select a font face from the fonts installed into your computer. MegaPed always controls the size of the font.

Use this button to choose a color for the font or for the pedigree lines.

Use this button to toggle between regular and bold weight for the Font.

Use this button to toggle font underlining on and off

Use this button to choose between regular or italic emphasis for the font.

You can select fonts for:

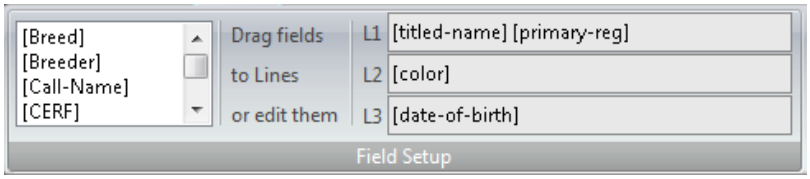
- Headline (the big line at pedigree top)
- My Info (your information from My Info page)
- Animal Names: You have two selections here:
    - Titled: Animals with titles
    - Untitled: Animals without titles.

- Certification: An optional certification paragraph printed at the bottom of the pedigree.
- Pedigree lines: Choose a color for the lines in the pedigree format.

The Fields Tab

The Fields tab is where you set up the fields to print on the pedigree.

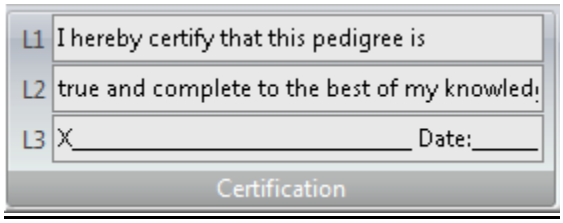
The Field Setup Group



Each animal in the pedigree, depending on position, may have 1-3 lines. You can directly edit the fields on each line, or drag selected fields from the list onto L1, L2 or L3.

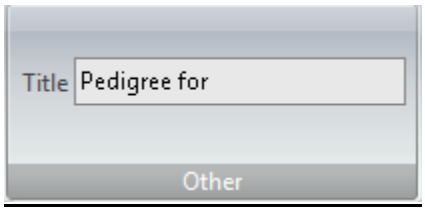
Generally for the best look on narrower pedigrees, consider just the titled name on line 1.

The Certification Group



There are three lines for you to type in any certification information you wish to print onto the pedigree. This will or won't appear based on the Print Options that are set on the Home Tab.

The Other Group



This is a single option for the Title of the pedigree, for what text, if any, you wish to print in front of the target animal's name in the title line of the pedigree format.

After you make any changes here, press the preview button to see the changes in the preview window. You can do this as often as you want to get the pedigree to look the way that you want it.

The Graphics Tab

This is the tab where graphical additions to the pedigree are controlled.

The Logo Group

You can add logos to the pedigree. Logos are small graphics, as close to square as possible, that print to the left of your information in most formats.

You can use the Add Logo button to choose a file (BMP, JPG, PNG) to be your logo. You can click on the logo you want in the format. You can also toggle whether or not the logo prints on this pedigree. The check box here is the same setting found in the Home tab on the Print Options group.

The Watermark Group

You can add watermarks to the pedigree. Watermarks are that print faded behind the pedigree information. MegaPed supports text watermarks as well as graphical ones.

You can use the Add Watermark button to choose a file (BMP, JPG, PNG) to be your watermark. You can click on the watermark you want in the format. You can also toggle whether or not the watermark prints on this pedigree. The check box here is the same setting found in the Home tab on the Print Options group.

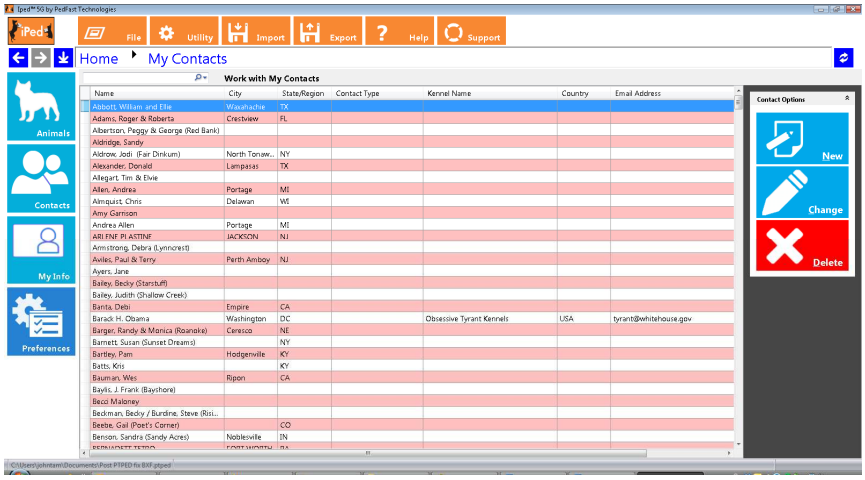
For the text watermark, you can type in the text, choose the amount of fade (light, medium or dark) and the font face, as well as bold, underline or italic.

The My Contacts Page

The My Contacts Page: Overview

Whenever you touch or click the My Contacts button, you will receive the My Contacts page. This page features a list of contacts in the program. Contacts are persons who own, breed, sell or purchase contacts. You also have a means to rapidly move through the list, as well as links to add, change or delete contact records in the database.

The My Contacts Page looks like this:



Clicking or using the arrow keys to scroll up and down through the list will change the current contact in the list that is selected. You can then choose to edit the contact record you selected from the right side command list, or you can click touch or any button on the right side of the page to perform the described action on the contact.

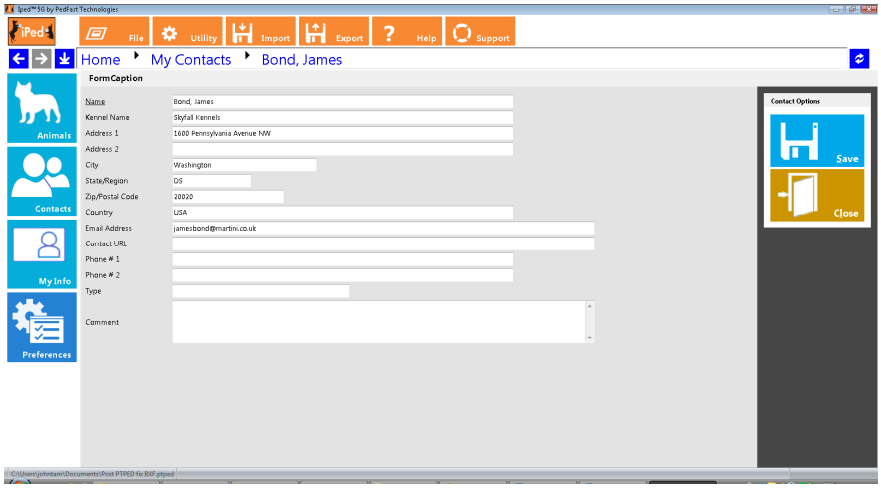
To add a contact to the database, click or touch the Create button on the right hand side of the page.

To delete a contact, you click or touch the delete button on the right hand side of the page.

Add / Change Contact Page

The Contact Information Page is where you add or change the basic information for an individual contact. You have several fields with which to work, as well as choices of other pages of contact information.

The Add/Change Contact Page looks like this:



As with all pages in iPed™ 5G 2015® 2012, the required fields have underlined descriptions. In the case of this window, only the name is required.

You have the following fields to work with:

- **Name:** Required This is the name of the contact.
- **Company Name:** Use this field for a kennel, cattery or business name.
- **Address 1:** Address Line 1
- **Address 2:** Address Line 2
- **City:** City
- **State/Region:** State or region or prefecture.
- **Zip/Postal Code:** Zip or postal code.
- **Country:** Country
- **Email Address:** Email address of the contact.
- **Contact URL:** The web site for this contact.
- **Phone #1:** Phone number 1.
- **Phone #2:** Phone number 2.
- **Type:** Choose a contact type from the list or type in a new one to do a Quick add of the contact type.
- **Comment:** Enter a free form comment of up to any length here for internal reference. This comment is not available on reports and may be treated confidentially.

Click or touch Save to save the contact to the database.

Click or touch Close to close the page and go back to the My Contacts Page.

BXF Import and Export

BXF Importing and Exporting – An Introduction

One of the things many people wish to do is to accumulate a sharable database of dog ancestry, to make their mutual pedigree entry chores easier. In order to do this, a pedigree program needs to be able to correctly notice when a dog to be imported from someone else's data is already on the database, and to act accordingly.

The Breeder's Standard 3.0™ solved that problem in 1994 when it introduced BXF™ - short for **B**reeder's E**X**change **F**ormat. BXF is designed to smart-merge with data already on your computer. The file it produces is large, but it can be read with the naked eye using a word processor.

The latest BXF incarnation now relies most heavily on matching registered names to determine if a dog on the database is represented by incoming data. So, missing or duplicate registration numbers do not cause improper imports.

Importing a BXF File

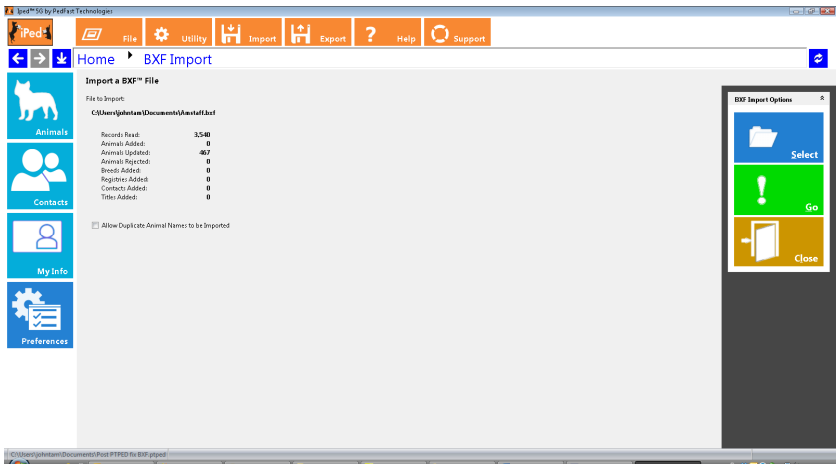
Caution: ***Always do a complete backup just prior to importing a BXF file***. With iPed™ 5G 2015, this is as easy as closing the program and making a copy of the .ptped database file.

PedFast Technologies™ is not liable for data errors caused by the use of BXF to import a data file, and you need to be sure to protect your data beforehand. This will allow you to recover if there is a problem with the import data file or with the data of the person who is keeping the records.

For example, if that person messed up on the pedigree, BXF will import the parental links, so you will end up with changed pedigrees yourself. Be careful!

To import, choose the "Import BCF File" option from the Kennel tab. This will bring up the BXF Import window.

The BXF Import Window looks like this:



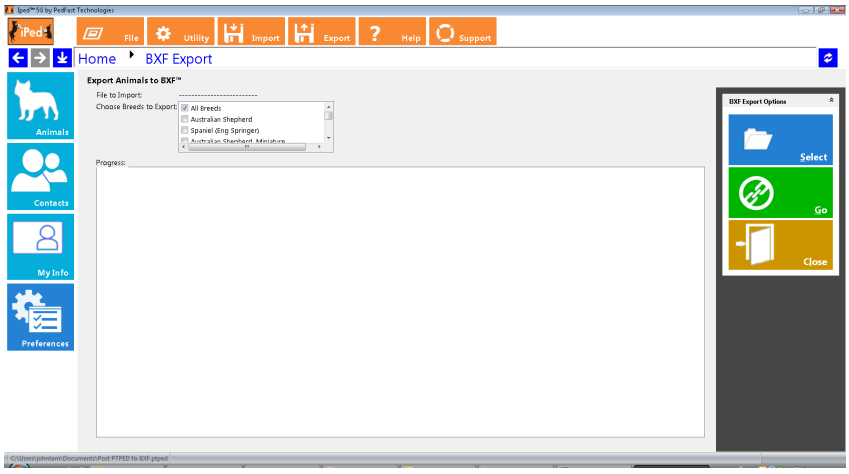
Click or touch the "Select" button to look up the BXF file you wish to import. When chosen, Click or touch the "Go" button, and iPed™ 5G 2015 will begin to work. You will see the progress. When the import is completed, you will see a pop-up message indicating successful completion.

Allow Duplicate Animal Names to be Imported: This check box, if checked, will let two animals with the same name and/or registration number to be put into the program. This is useful **only** if you know that there are different dogs with the same name and/or number in the database. Otherwise, we do **not** recommend its use. **This feature disables Smart Merge.**

Exporting data to a BXF File

You can share the data in your database (unless you purchased records that are marked for no export) by exporting one or all breeds in the kennel to a BXF file. To do this, you simply choose the "Export..." option in the Kennel menu, or you click the export button on the Speed bar. This will open the BXF Export window.

The Export to BXF Page looks like this:



Click or touch the Select button to choose the name and location of the BXF file you wish to export.

Then, you can choose to export all breeds, or choose one or more breeds to export. All breeds with dogs are listed in the window. Check and uncheck as you see fit, but **at least one box must be checked off.**

Then when these items are set, you click or touch the “Go” button to export the breed records you have selected. Records that you have purchased and are marked in our system as “no export” will not be exported, either as animals or their parentage.

The Progress window will update as the records you have chosen are exported. When the export is completed, iPed™ 5G 2015 will inform you of this fact.

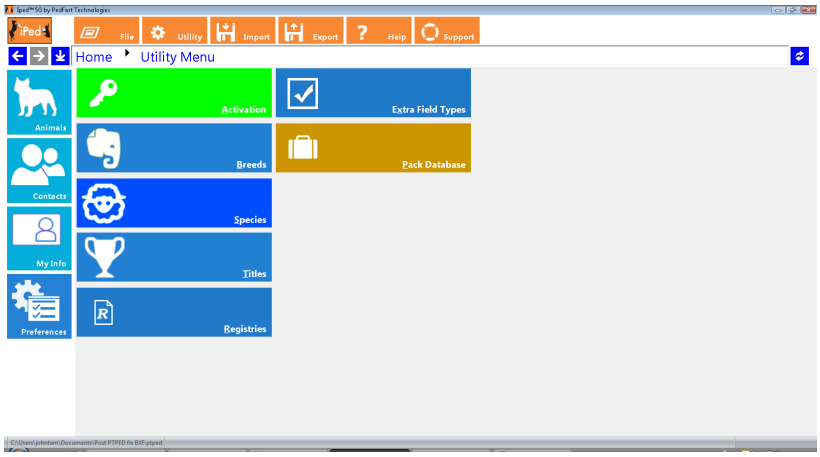
Utility Functions

The Utility Menu

iPed™ 5G 2015 keeps its utility functions on the Utility Menu. To get to the utility menu, touch or click this button on the main window:

Doing so will present the Utility menu.

The Utility Menu looks like this:

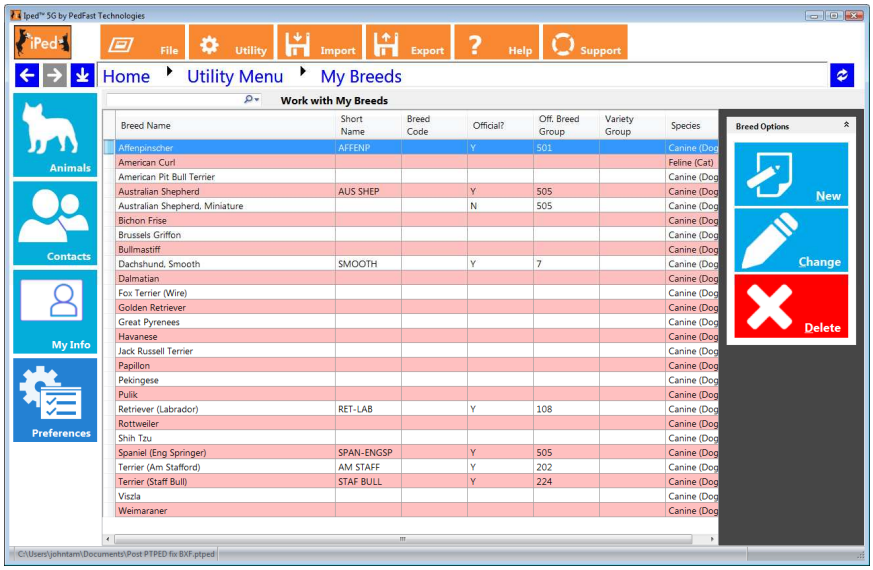


Click or touch a button to bring up a function.

My Breeds

iPed™ 5G 2015 keeps a table of breeds for the animals you keep in its database. You assign a breed to an animal when you import the animal or when you create an animal record in the Animal info page.

The My Breeds page looks like this:



The window lists each breed and its information.

To add a breed, click or touch Add.

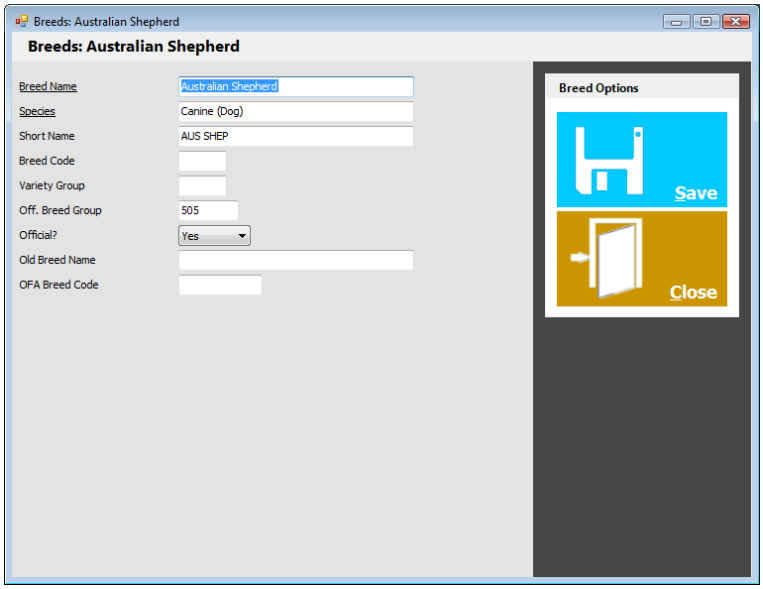
To change a breed, click or touch the breed and choose Change.

To delete the breed, click or touch the breed and then choose Delete. *NOTE: If the breed is assigned to one or more animals, the program will not allow you to delete it. This is to protect the integrity of the database and to keep you from losing animals.*

Add/Change Breed Pop-Up

When you choose to add or change a breed, you will receive the Add/Change Breed Pop-Up. This pop-up window will collect the breed information and then save the record.

The Add/Change Breed Pop-Up looks like this:



The fields you may enter are:

- **Breed Name:** Required. The name of the breed.
- **Species:** Required. Type in the species of this breed of animals. The Species may be entered on the Species page in the Utility menu.
- **Short Name:** Used as a short (15 or fewer characters) name of the breed for reference purposes.
- **Breed Code:** Used for an ID code in animal registries that have breed codes for competition or other purposes (e.g., the American Kennel Club).
- **Variety Group:** Used to group varieties together to indicate that the "Breed" record is for a variety of breed. For example, you would enter the same code for Smooth and wire haired fox terriers because they may be crossbred and still registerable as pure-bred.
- **Off. Breed Group:** This is the breed group number for registries that group breeds for competition purposes.
- **Official?:** Choose YES if this breed is officially recognized by your registry, no otherwise.
- **Old Breed Name: Used for backward compatibility to merge breeds properly from older PedFast Technology programs.**
- **OFA Breed Code:** Used to contain the two-or-three character breed code used by the Orthopaedic Foundation for Animals for this breed. In future versions, this will permit the program to import OFA downloads directly into it.

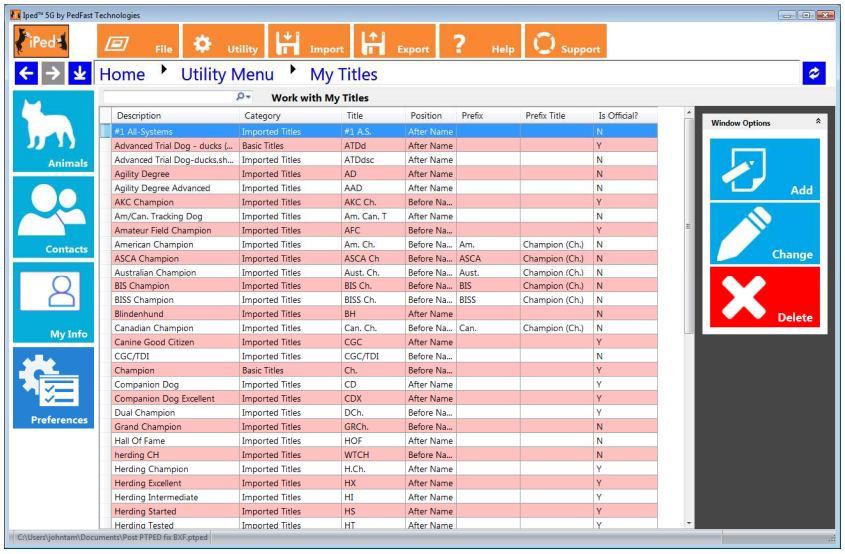
Click or touch Save to save the information into the database.

Click or touch Close to close the pop-up without saving any information.

My Titles

iPed™ 5G 2015 keeps a table of titles for the animals you keep in its database. You assign a title to an animal when you import the animal or when you create an animal record in the Animal info page.

The My Titles page looks like this:



The window lists each title and its information.

To add a title, click or touch Add.

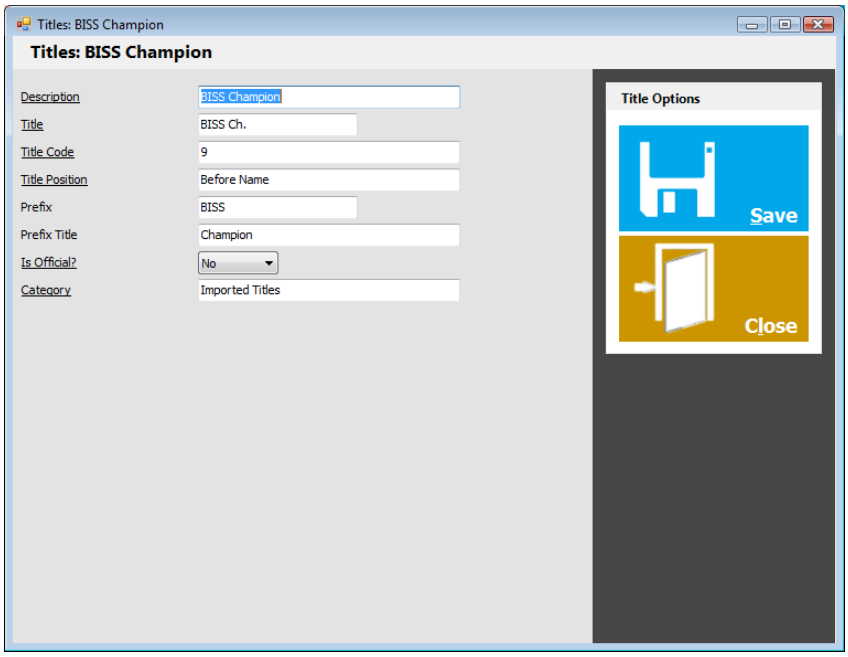
To change a title, click or touch the title and choose Change.

To delete the title, click or touch the title and then choose Delete. *NOTE: If the title is assigned to one or more animals, the program will not allow you to delete it. This is to protect the integrity of the database and to keep you from losing animals.*

Add/Change Title Pop-Up

When you choose to add or change a title, you will receive the Add/Change Title Pop-Up. This pop-up window will collect the title information and then save the record.

The Add/Change Title Pop-Up looks like this:



The fields you may enter are:

- **Description:** Required. The long name of the title.
- **Title:** Required. The characters that make up the title.
- **Title Code:** Required. An unique number used to identify the title internally. It must be unique; no other title may have the code.
- **Title Position:** Choose **BEFORE NAME** for titles that go before the animal name, and **AFTER NAME** for those titles that go after the animal name.
- **Prefix:** If you have compound titles, such as **BIS BISS Am. Can. Ch.**, on the BISS Ch. Title, for example, you would put in BIS. Then if the animal has multiple championships, you can select these titles:
    - **BIS Champion**
    - **BISS Champion**
    - **American Champion**
    - **Canadian Champion**
    - **Champion**

Then, if the animal's prefix title (see below) is on the animal, the program will use the Prefix characters instead of the Title characters. This is optional.

- **Prefix Title:** Type in the description of the title to look for as a condition to use the Prefix instead of the full title. This is optional.
- **Official: Choose yes if this title is issued by the primary registry and should be printed on show entry forms.**
- **Category:** Choose Basic Titles or Imported Titles. Any title imported into the program by BXF will have the Imported category assigned by the program.

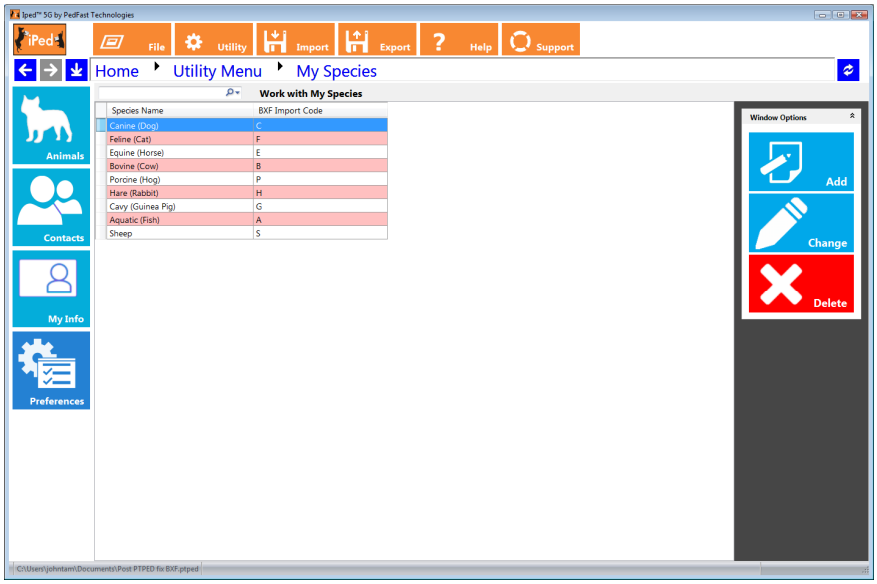
Click or touch Save to save the information into the database.

Click or touch Close to close the pop-up without saving any information.

My Species

iPed™ 5G 2015 keeps a table of species for the animals you keep in its database. You assign a species to an animal when you import the animal or when you create an animal record in the Animal info page.

The My Species page looks like this:



The window lists each species and its information.

To add a species, click or touch Add.

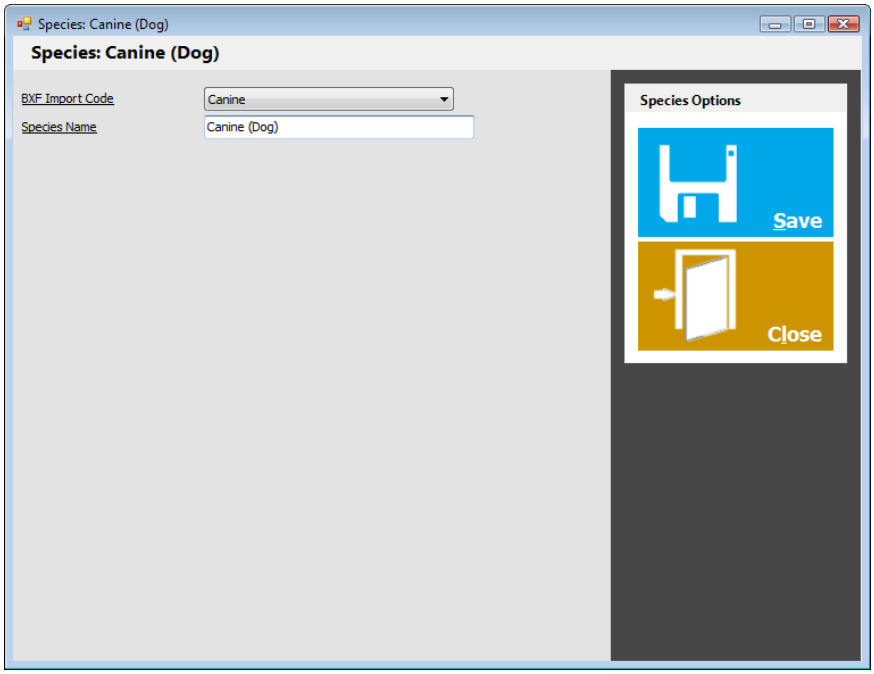
To change a species, click or touch the species and choose Change.

To delete the species, click or touch the species and then choose Delete. *NOTE: If the species is assigned to one or more breeds, the program will not allow you to delete it. This is to protect the integrity of the database and to keep you from losing information.*

Add/Change Species Pop-Up

When you choose to add or change a species, you will receive the Add/Change Species Pop-Up. This pop-up window will collect the species information and then save the record.

The Add/Change Species Pop-Up looks like this:



The fields you may enter are:

- **BXF Import Code:** Required. Choose the BXF Import Code type to give any breeds imported the correct species. If the species type is not listed, choose OTHER.
- **Species Name:** Required. The descriptive name of the species.

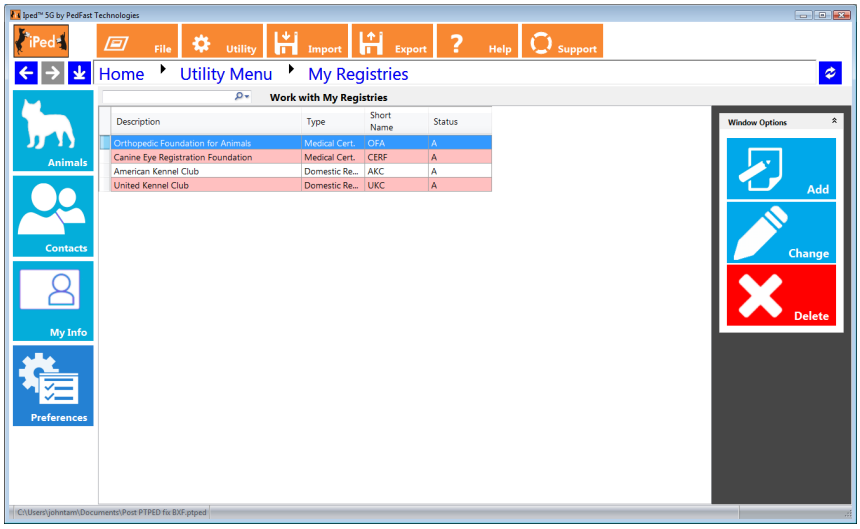
Click or touch Save to save the information into the database.

Click or touch Close to close the pop-up without saving any information.

My Registries

iPed™ 5G 2015 keeps a table of registries and certifications (e.g., OFA, CERF) for the animals you keep in its database. You assign registrations, linked to the animals to an animal when you import the animal or when you create an animal record in the Animal info page (for primary registration) or in the My Regs page for the animal for all other registrations and certifications.

The My Registries page looks like this:



The window lists each registry and its information.

To add a registry, click or touch Add.

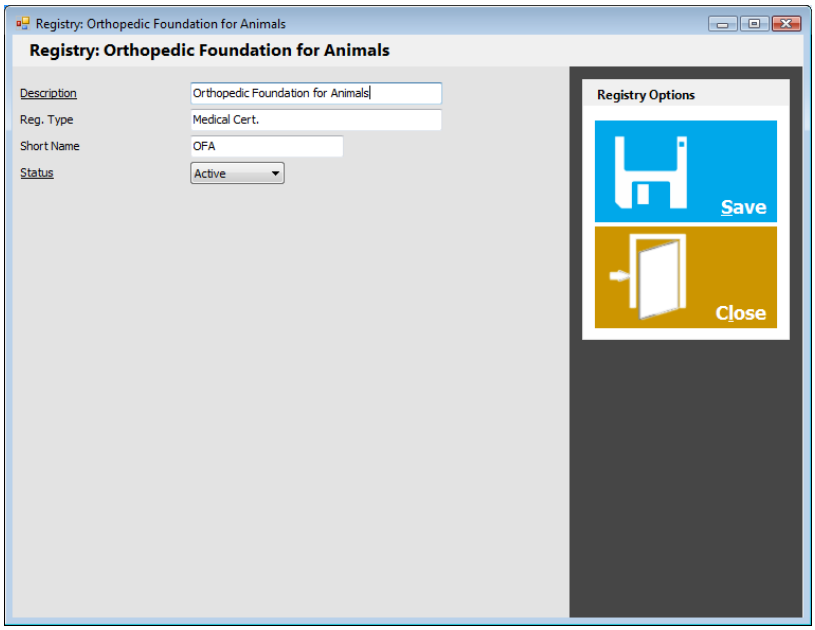
To change a registry, click or touch the registry and choose Change.

To delete the registry, click or touch the registry and then choose Delete. *NOTE: If the registry is assigned to one or more registrations on animals, the program will not allow you to delete it. This is to protect the integrity of the database and to keep you from losing animals.*

Add/Change Registry Pop-Up

When you choose to add or change a registry, you will receive the Add/Change Registry Pop-Up. This pop-up window will collect the registry information and then save the record.

The Add/Change Registry Pop-Up looks like this:



The fields you may enter are:

- **Description:** Required. The long name of the registry.
- **Registry Type:** Choose from one of these types by typing in the name into the lookup control to select:
    - Domestic Registry
    - Foreign Registry
    - Medical Cert.
    - Non-Medical Cert.
    - Other
- **Short Name:** An optional short name to be used on Pedigrees if present.
- **Status:** Choose Active or Inactive. Inactive registries cannot be assigned to animal registrations.

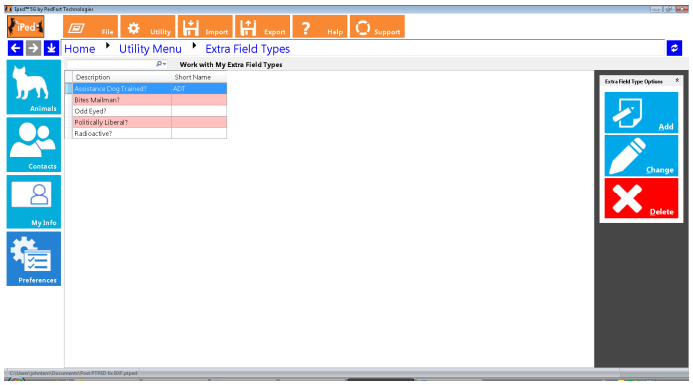
Click or touch Save to save the information into the database.

Click or touch Close to close the pop-up without saving any information.

My Extra Field Types

iPed™ 5G 2015 keeps a table of Extra Field Types. These types allow you to create special places to hold information not stored in the fields prepared for you in iPed. You can have an unlimited number of extra fields per animal, but each one must have its own extra field type. You can get to these fields in the Extra Fields page for the animal.

The My Extra Field Typess page looks like this:



The window lists each Extra Field and its information.

To add An Extra Field Type, click or touch Add.

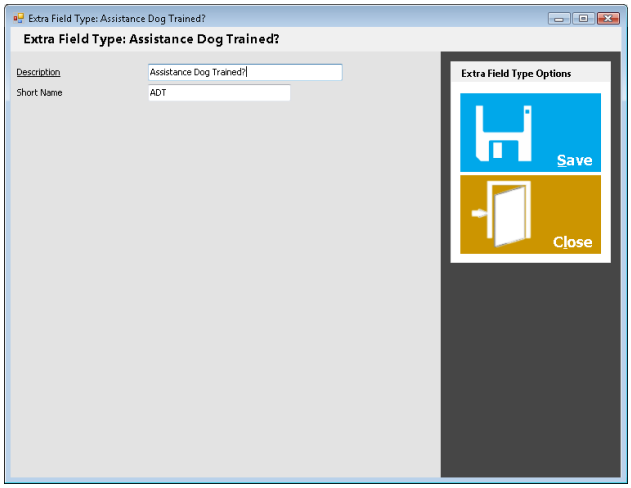
To change An Extra Field type, click or touch the Extra Field and choose Change.

To delete the Extra Field, click or touch the Extra Field and then choose Delete. *NOTE: If the Extra Field is assigned to one or more animals, the program will not allow you to delete it. This is to protect the integrity of the database and to keep you from losing animals.*

Add/Change Extra Field Pop-Up

When you choose to add or change An Extra Field, you will receive the Add/Change Extra Field Pop-Up. This pop-up window will collect the Extra Field information and then save the record.

The Add / Change Extra Field Type Pop-Up looks like this:



The fields you may enter are:

- **Description:** Required. The long name of the Extra Field.
- **Short Name:** An optional short name to be used on Pedigrees if present.

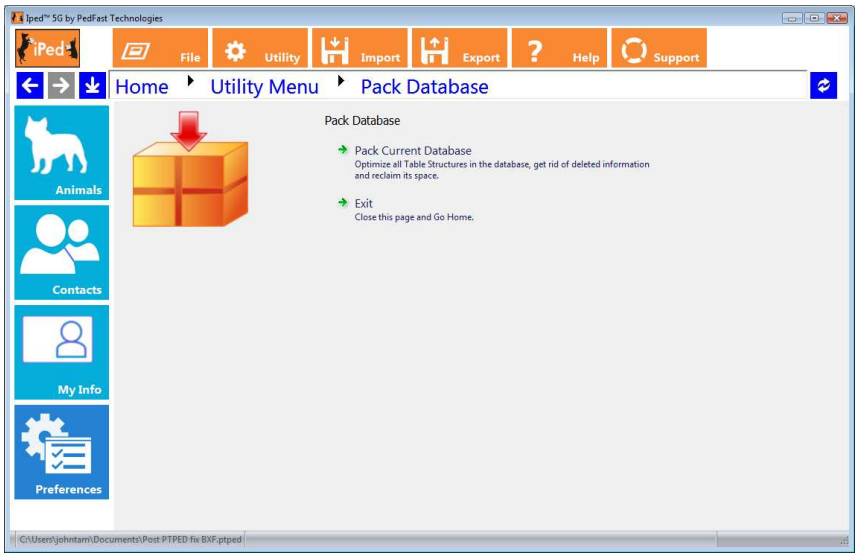
Click or touch Save to save the information into the database.

Click or touch Close to close the pop-up without saving any information.

Pack Database

The iPed™ 5G 2015 database technology is efficient and stores nicely into a single file. However, as time goes on and records are changed, added and deleted, there are "holes" inside the .PTPED file. The Pack Database command cleans up these "holes" and reduces the file size. It also makes the database run faster.

The Pack Database page looks like this:



To pack the database, simply touch or click on "Pack Current Database." The program will then rebuild the database.

NOTE: Back up the database before packing it. Do not shut off the program or your computer until the program says that the pack database operation is complete. If the database pack is interrupted, your database file could be irreparably lost. This is why it is so important to make regular backups.

Clicking the "Exit" link will close the Pack Database page and go back to the Home Page.

Troubleshooting Guide

What to Do when There's a Problem

What to Check

Try rebooting the computer if you get a goofy error or a shutdown message or an exception. Before you do that, however, **write everything down** so you have it handy if you need to contact us for support.

Information to have ready for Technical Support

- When you call or post a message to PedFast Technologies, please have the following information immediately available:
- Your Control number, from the invoice and/or registration sheet;
- The number (if any) and the full text of any message you've received Important! Include the full text of any message you receive! These messages contain vital information we need to solve problems!;
- Exactly what you did to receive this message;
- What happened if you followed the steps outlined in the manual (if there were steps) to correct the problem?

This will greatly help us to quickly identify and resolve your problems.

Contacting Product Support

From Inside the Program

On the main page in the program we have a "life preserver" button that will contact our Product Support site on the Internet. As long as your computer is connected to the Internet, this is the fastest way to get support for IPed™ 5G 2015.

To use this feature, you simply need to click on the button and the program will contact our site and you can then send information to the site for us to help you.

Internet

PedFast Technologies has one of the largest animal-related sites on the Internet. On this site, we have product news, demos, patches, free utilities and support information. Our World Wide Web address is:

http://www.pedfast.com

We have a dedicated product support web site, complete with a searchable solution database and a means to create support incident reports online. That address is:

http://support.pedfast.com

Use the support website to report incidents to us and to receive responses through our new support ticket system. Direct email support has been retired in order to provide a more controlled and documentable support experience. However, if you have email, you can open a ticket from your normal email address by sending email to:

support@tickets.pedfast.com

This action will also open a product support ticket in our system.

Telephone

PedFast Technologies offers one no-charge product support incident via voice telephone per product purchase. This is a costly service for us to offer, and we ask and expect you to utilize this manual, the Internet site and other resources prior to tying up a person with a telephone support request. This is important, since we will be unable to keep this service free if it is not responsibly used.

The second and subsequent telephone support incidents cost a non-refundable fee as set forth on our support web site. There is a support page for such incidents and they are *all sales final*.

Please *do not call* to open a support ticket. Instead send email to the above address to open a support ticket.

The USA number for product support is:

888-820-0691

The support number outside the USA is:

+1-815-806-2130
Press 2 for Support.

Support hours are Central Standard Time (GMT -6 Hours), 9AM-5PM, Monday-Friday. If you get a voice mail, please leave a detailed message. You will receive a call back as soon as possible. Please be courteous and polite. You may be frustrated, but the support representative is not responsible for that. Our representatives are instructed to decline support in the presence of boorish conduct, threats and the like.

* NOTE: We reserve the right to assess a fee for product support or to terminate it altogether. The sale of any product does not include any product support, which is offered solely as an accommodation and a favor. No sale is contingent upon any level of product support. See the license agreement (Copyright and License).

Abusive Conduct is Not Tolerated

We are people and we have feelings.

You may be frustrated, but that does not give you an excuse to be nasty, angry, insulting or threatening. There is never an occasion where abuse is proper or tolerable.

It breaches the Software License Agreement to threaten the company, its representatives, its products or its reputation in order to expedite support or express frustration. It is unacceptable to treat our representatives discourteously whether you are receiving electronic or telephone support. The threat to cause a credit card reversal is included in these threats since you have agreed to an *all sales final* purchase.

Frustration also does not give you the right to post anything negative about this company, its product, staff, support or services to any site on the Internet, which can give rise to legal action to protect our rights, and all of which is in breach of the terms of the license agreement. Our support staff is instructed to terminate any support incident where the person bringing the incident is discourteous or threatens or commits adverse action against the company of any kind. All such incidents are also grounds for us to permanently ban you from access to our product support services and our web sites. We offer support for our product in good faith, and expect the same good faith from our customers.

Any act that threatens us is grounds for the permanent termination of your support privileges with no refund (all sales are final), and any written or verbal threat which we believe violates the law will be, without delay or warning, reported to the authorities, and prosecuted to the fullest extent of the law.

Maintenance

Back up Your Data

iPed™ 5G 2015, unlike other programs PedFast Technologies™ has sold in the past, stores data in a single file that can be placed anywhere on your computer, **except in a Program Files or Windows system folder.** We recommend making a separate folder to hold the .PTPED file, or storing it in your My Documents folder.

Once you have the location of the database secure, **back it up frequently**. The program no longer has a native backup capability, because the data are all stored on a single file. You have the following options for backing up:

Option 1: Back up with Carbonite®

PedFast Technologies sells the Carbonite® backup solution, which stores your data in the cloud in a secure place. This is the most secure possible solution.

With more than 1 million subscribers in over 100 countries, Carbonite is a leading provider of online backup for both home and small businesses. To date, Carbonite has backed up nearly 200 billion files - backing up 300 million files each day - and has restored over 7 billion files, that otherwise would have been lost forever.

Carbonite offers automatic, continual and secure online backup for your home or small business computers, so you can rest easy knowing your irreplaceable files are protected. Once installed, your files will be backed up automatically to the cloud - no hardware required - so you can get them back when you need them most.

Anytime, anywhere file access.

Not at your computer? No problem! You can get to your backed up files from any computer connected to the Internet or even from your smartphone or iPad ® with Carbonite's free app. And, with Carbonite's Anytime, Anywhere Access, you can view your files anytime - whether you're at home, or on the go!

What is Online Backup?

Online backup solutions provide protection for your computer files so you can get those files back in the event of a data disaster - saving you time, money and stress. Unlike other antiquated methods of data backup - such as external drives & CDs - there's no hardware to buy, no cables to connect, no training or maintenance required.

Why Carbonite?

Carbonite gives you secure, automatic offsite backup that protects your files from accidental deletion, spills, theft and just about anything else that could harm your data. Once installed, Carbonite backs up your files to the cloud - so you can get them

back when you need them most. Because Carbonite works continually, backing up new and changed files whenever you're connected to the Internet, you can rest easy knowing your backed up files are always protected.

Since 2006, Carbonite has backed up over 200 billion files and today, backs up more than 300 million files each day! Most importantly, Carbonite has restored over 7 billion files that otherwise would have been lost forever.

Product Highlights:

- Set it & forget it. Carbonite backs up your files automatically to the cloud - so you never have to remember to back up. No hardware required.
- Continual backup. Whenever you're connected to the Internet, Carbonite backs up your files - eliminating potentially costly backup gaps created by daily or weekly backups.
- Secure transmission. Carbonite uses the same encryption technology used in online banking and e-commerce transactions.
- Safe offsite storage. Your backed up files are stored in one of Carbonite's highly secure state-of-the-art data centers which are guarded 24 hours a day, 7 days a week.
- Easy file recovery. If anything happens to any file, Carbonite finds it in your backup and puts it back in its original location on your computer - in just a few, simple steps.
- Anytime, Anywhere access. You can access your backed up files from any computer connected to the Internet - or even from your iPhone®, Android™ or BlackBerry® smartphone.

The Plans:

With 5 plans to choose from, you can find the Carbonite subscription that's right for you. From individuals, families and students to home office users and small business professionals, Carbonite has a plan to fit every backup need.

Please visit PedFast Technologies at www.pedfast.com and click the Carbonite link for best pricing and the latest information.

Option 2: Manual Copy or CD Burn

Your other option is to back up the PTPED file by hand-copying it onto a stick drive or burning it onto a CD or DVD media. Since the database is a single file, you treat is as you would copying a Word document or other simple file.

Restoring From a Backup

To restore from a backup, simply copy the file into a folder where you can access it. Them you only need to use iPed™ 5G 2015 to open the database and you are back in business.

NOTE: If you have backed up the file onto a CD or DVD, you will need to right click the file, choose properties, and uncheck the "read only" option if it is checked. Some, but not all, CD/DVD restores will leave the file marked "read only."

Glossary of Terms

Ahnentafel

Ahnentafel is a description of a pedigree ancestor numbering system. In our calculation of the Coefficient of Inbreeding, you can see the ahnentafel indexes of all common ancestors on the output report for that window. The target animal in this program is numbered 1. The Sire is 2, the Dam is 3. Then you go to the next generation and number the ancestors, top to bottom, adding one as you go through each generation. Here is a sample 3 generation Ahnentafel chart:

<table>
<tr><td rowspan="8">1</td><td rowspan="4">2</td><td rowspan="2">4</td><td>8</td></tr>
<tr><td>9</td></tr>
<tr><td rowspan="2">5</td><td>10</td></tr>
<tr><td>11</td></tr>
<tr><td rowspan="4">3</td><td rowspan="2">6</td><td>12</td></tr>
<tr><td>13</td></tr>
<tr><td rowspan="2">7</td><td>14</td></tr>
<tr><td>15</td></tr>
</table>

These numbers are used to perform easy arithmetic to determine ancestor contributions and to locate ancestors quickly within a pedigree.

Coefficient of Inbreeding

Dr. Sewall Wright, the most renowned geneticist of the century, defined an inbreeding coefficient. This is a number which expresses the homozygosity (inbred like characteristics) of any animal as a mathematical equation. This equation is now known as the "F" Coefficient, "COI" or "Inbreeding Coefficient," and is recognized as the standard in objectively measuring the amount of inbreeding in an animal.

The following is from "Animal Breeding" by Laurence M. Winters, University of Minnesota. Winters stated that the formula for COI was developed by Dr. Wright, and published in 1922 in The American Naturalist.

"The effects of inbreeding are the fixation of characters and increased prepotency; these are in direct proportion to the percentage of homozygosis; the percentage of homozygosis is in direct proportion to the degree of inbreeding."

"The sire and dam of the inbred individual have a common ancestor or ancestors. The summation of the coefficients for every line by which the parents are connected gives the coefficient of inbreeding of the individual in question."

"Each line is traced back from the sire to a common ancestor and then forward to the dam. It passes through no individual more than once, but the same ancestors may occur in more than one line."

The formula for obtaining the coefficient of inbreeding is

$$F_x = \sum \left(\left(0.5^{(N+N'+1)} \right) (1 + F_a) \right)$$

…in which Fx and Fa are the coefficients for the individual and the common ancestor, respectively, and N and N! are the number of generations between the common ancestor and the sire and dam, respectively.

The Breeder's Standard 2012™ calculates the COI through ten generations of ancestors. Its calculation has been verified as accurate by Dr. Leslie B. Hansen, University of Minnesota.

Quick Titles

In the Animal Info Page window, there are check boxes, and buttons on the titles page, which can assign titles to an animal quickly, with one touch. On the My Info page, you can choose what titles appear for these buttons and boxes.

Lookup Control

A Lookup Control is a field where you can type in the name of something (an animal, a contact, a breed, etc.), and the database will be positioned to the correct record as you type each letter. In many lookup controls, typing in something new will cause the record to be quick-added to the database, or cause the appropriate add window to be displayed for you to fill in the details. All lookup controls in this program do not care whether you type in uppercase or lowercase letters.

Field

A "Field" is any particular item of information kept in a database. This program is a database program. Databases are different from the files kept by, let's say a Word processor, because there are fixed individual records, each with one or more fields. These records can be accessed by a "key", a field which identifies the record (for example, the registration number of an animal). So while databases are restricted and need fields to work properly, the database also allows speedy and reliable access to information.

Quick-Add

When you have certain fields in a lookup control, typing in a name gives you the opportunity to do a quick-add. If you choose to do this, the name is added to the

database, without having to open another window or leave what you are doing to make it happen.

Registry

A Registry, for this program, is any organization which registers animals, such as the American Kennel Club, Cat Fanciers; Association or the United Kennel Club. In addition, a registry is any organization which may issue a certifying or identifying number to a dog, for example, OFA, CERF, Tattoo-a-Pet or the like. This program supports an unlimited number of registries, and any animal may have an identifying number to any or all of them.

Tool Tip

A Tool Tip (also called a "hint") is a pop-up description which appears over a button or field when you place the mouse cursor over it but do not click on it. The tool tip gives you a brief description of the button or field, and goes away when the mouse is moved off of the item.

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