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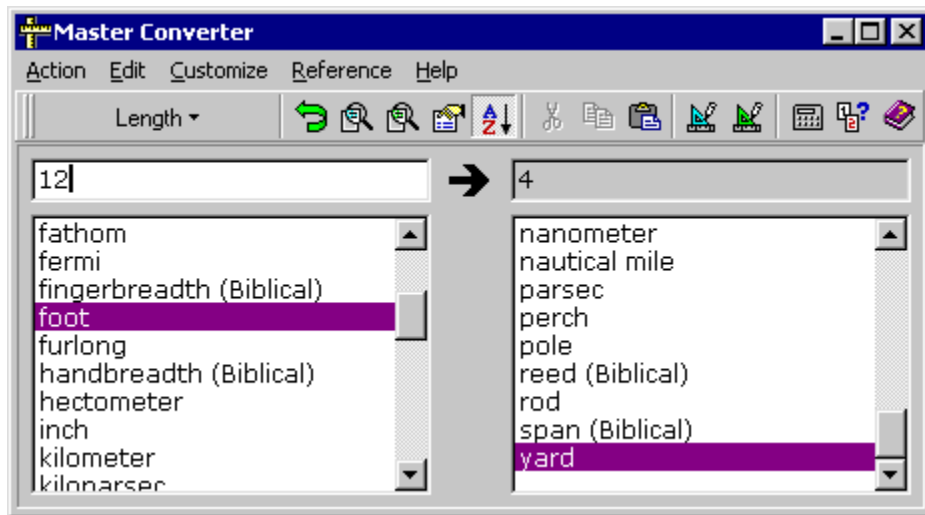
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**Thank you for trying out Master Converter: Your one-stop source for all of your unit conversion needs!**

Master Converter is a powerful Windows utility designed to fill one specific purpose: it allows quick and easy conversion between units of measurement. The interface is **extremely intuitive** and **user friendly**, enabling even first-time users to convert from one unit to another without a hassle.

Master Converter is pre-configured to convert **over 580 units in 30 categories**. The categories include: length, area, volume, dry volume, time, speed, acceleration, mass, density, force, energy, power, pressure, flow, data storage, data transfer, dynamic viscosity, kinematic viscosity, temperature, temperature interval, capacitance, charge, conductance, thermal conductivity, angle, angular velocity, illumination, luminance, numbers, and fractions. (See [List of Pre-Defined Units](#) for a complete listing of all supported units.)

You'll most likely find any unit you'll ever need already built into Master Converter. If you find Master Converter is missing a unit you need, it's a snap to add your own [custom units](#) or your own [custom categories](#)! Master Converter will effortlessly **grow to suit your needs**.

To learn how to use Master Converter, take a look at the [Quick Overview](#).

Again, thanks for taking the time to evaluate this program. Please remember that Master Converter is not free, it's [shareware](#)! You are encouraged to [register](#) if you find this software useful.

The following is a complete listing of all pre-defined units, arranged by category. In Master Converter 2.05 there are a total of 581 units in 30 categories.

Don't worry if you can't find a unit you need in this list... Master Converter will allow you to add your own [custom units](#) and [categories](#)!

### Length

---

angstrom	astronomical unit	centimeter
chain	cubit (Biblical)	decimeter
dekameter	fathom	fermi
fingerbreadth (Biblical)	foot	furlong
handbreadth (Biblical)	hectometer	inch
kilometer	kiloparsec	league
light year	link	long cubit (Biblical)
long reed (Biblical)	megaparsec	meter
micrometer	mil	mile
millimeter	nanometer	nautical mile
parsec	perch	pole
reed (Biblical)	rod	span (Biblical)
yard		

### Area

---

acre	are	barn
centimeter <sup>2</sup>	chain <sup>2</sup>	decimeter <sup>2</sup>
dekameter <sup>2</sup>	foot <sup>2</sup>	hectare
hectometer <sup>2</sup>	inch <sup>2</sup>	kilometer <sup>2</sup>
meter <sup>2</sup>	micrometer <sup>2</sup>	mile <sup>2</sup>
millimeter <sup>2</sup>	nanometer <sup>2</sup>	perch <sup>2</sup>
pole <sup>2</sup>	rod <sup>2</sup>	rood
section	township	yard <sup>2</sup>

### Volume

---

acre-foot	barrel	barrel (oil)
bath (Biblical)	board foot	cab (Biblical)
cc	ccf	centiliter
centimeter <sup>3</sup>	cor (Biblical)	cord
cup	cup (UK)	deciliter
decistere	dekaliter	dekastere
drop	foot <sup>3</sup>	gallon
gallon (UK)	hectoliter	hin (Biblical)
homer (Biblical)	hundred-foot <sup>3</sup>	inch <sup>3</sup>
liter	log (Biblical)	meter <sup>3</sup>
milliliter	ounce	ounce (UK)
pint	pint (UK)	quart
quart (UK)	stere	tablespoon
teaspoon	tun	yard <sup>3</sup>

### Volume - Dry

---

barrel  
cor (Biblical)  
liter  
peck  
seah (Biblical)

bushel  
ephah (Biblical)  
log (Biblical)  
pint

cab (Biblical)  
homer (Biblical)  
omer (Biblical)  
quart

### Time

attosecond  
decade  
hour  
millennium  
month  
second  
week

century  
femtosecond  
leap year  
millisecond  
nanosecond  
sidereal year  
year

day  
fortnight  
microsecond  
minute  
picosecond  
tropical year

### Speed

c (light)  
centimeter/second  
foot/second  
kilometer/second  
meter/hour  
mile/hour  
yard/hour

centimeter/hour  
foot/hour  
kilometer/hour  
knot  
meter/minute  
mile/minute  
yard/minute

centimeter/minute  
foot/minute  
kilometer/minute  
mach (sound)  
meter/second  
mile/second  
yard/second

### Mass

assarion (Biblical Roman)  
centigram  
dekagram  
drachma (Biblical Greek)  
grain  
hundredweight  
kip  
milligram  
ounce  
poundal  
quarter (UK)  
slug  
talent (Biblical Greek)  
ton  
tonne

bekah (Biblical Hebrew)  
dalton  
denarius (Biblical Roman)  
dyne  
gram  
hundredweight (UK)  
lepton (Biblical Roman)  
mina (Biblical Greek)  
pennyweight  
quadrans (Biblical Roman)  
scruple  
stone  
talent (Biblical Hebrew)  
ton (long)  
troy ounce

carat  
decigram  
didrachma (Biblical Greek)  
gerah (Biblical Hebrew)  
hectogram  
kilogram  
microgram  
mina (Biblical Hebrew)  
pound  
quarter  
shekel (Biblical Hebrew)  
stone (UK)  
tetradrachma (Biblical Greek)  
ton (metric)  
troy pound

### Density

gram/centimeter<sup>3</sup>  
gram/millimeter<sup>3</sup>  
microgram/liter  
milligram/meter<sup>3</sup>  
ounce/gallon  
part per million  
pound/gallon  
ton/yard<sup>3</sup>

gram/liter  
kilogram/centimeter<sup>3</sup>  
milligram/centimeter<sup>3</sup>  
milligram/millimeter<sup>3</sup>  
ounce/inch<sup>3</sup>  
part per trillion  
pound/inch<sup>3</sup>

gram/meter<sup>3</sup>  
kilogram/meter<sup>3</sup>  
milligram/liter  
ounce/foot<sup>3</sup>  
part per billion  
pound/foot<sup>3</sup>  
psi/1000 feet

### Force

dyne  
joule/meter  
kip force  
ounce force

gram force  
kilogram force  
millinewton  
pound force

joule/centimeter  
kilonewton  
newton  
poundal

### Energy

attojoule  
calorie (nutritional)  
electron volt  
gigajoule  
gram force-centimeter  
inch-pound  
kiloelectron volt  
kiloton  
megajoule  
microjoule  
newton-meter  
pound force-inch  
ton

BTU  
calorie (thermochemical)  
erg  
gigaton  
horsepower-hour  
joule  
kilogram force-centimeter  
kilowatt-hour  
megaton  
millijoule  
ounce force-inch  
poundal-foot  
watt-hour

calorie  
dyne-centimeter  
foot-pound  
gigawatt-hour  
inch-ounce  
kilocalorie  
kilojoule  
megaelectron volt  
megawatt-hour  
nanojoule  
pound force-foot  
therm  
watt-second

### Power

BTU/hour  
calorie/hour  
horsepower  
kilocalorie/minute  
megawatt  
pound-foot/hour  
ton (refrigeration)

BTU/minute  
calorie/minute  
horsepower (boiler)  
kilocalorie/second  
milliwatt  
pound-foot/minute  
watt

BTU/second  
calorie/second  
kilocalorie/hour  
kilowatt  
pferdestärke (ps)  
pound-foot/second

### Pressure

atmosphere  
centimeter water (4°C)  
inch water (60°F)  
kilopascal  
millibar  
pascal  
psi  
torr

bar  
dyne/centimeter<sup>2</sup>  
kilogram/centimeter<sup>2</sup>  
megapascal  
millimeter mercury (0°C)  
pound/foot<sup>2</sup>  
ton/foot<sup>2</sup>

centimeter mercury (0°C)  
inch mercury (32°F)  
kilogram/meter<sup>2</sup>  
microbar  
newton/meter<sup>2</sup>  
pound/inch<sup>2</sup>  
ton/inch<sup>2</sup>

### Flow

acre-foot/day  
barrel (oil)/day  
barrel (oil)/second  
centimeter<sup>3</sup>/second  
foot<sup>3</sup>/second  
gallon (UK)/minute  
gallon/hour  
hundred-foot<sup>3</sup>/day  
inch<sup>3</sup>/hour  
liter/day  
liter/second  
meter<sup>3</sup>/minute

acre-foot/hour  
barrel (oil)/hour  
centimeter<sup>3</sup>/hour  
foot<sup>3</sup>/hour  
gallon (UK)/day  
gallon (UK)/second  
gallon/minute  
hundred-foot<sup>3</sup>/hour  
inch<sup>3</sup>/minute  
liter/hour  
meter<sup>3</sup>/day  
meter<sup>3</sup>/second

acre-foot/year  
barrel (oil)/minute  
centimeter<sup>3</sup>/minute  
foot<sup>3</sup>/minute  
gallon (UK)/hour  
gallon/day  
gallon/second  
hundred-foot<sup>3</sup>/minute  
inch<sup>3</sup>/second  
liter/minute  
meter<sup>3</sup>/hour  
milliliter/hour

milliliter/minute	milliliter/second	ounce (UK)/hour
ounce (UK)/minute	ounce (UK)/second	ounce/hour
ounce/minute	ounce/second	yard <sup>3</sup> /hour
yard <sup>3</sup> /minute	yard <sup>3</sup> /second	

### Temperature

Celsius	Fahrenheit	Kelvin
Rankine	Réaumur	

### Temperature Interval

Celsius	Fahrenheit	Kelvin
Rankine	Réaumur	

### Acceleration

centimeter/second <sup>2</sup>	foot/second <sup>2</sup>	g
gal	inch/second <sup>2</sup>	meter/second <sup>2</sup>
mile/second <sup>2</sup>	yard/second <sup>2</sup>	

### Angle

circle	degree	grade
mil	minute	octant
quadrant	radian	revolution
right angle	second	sextant
turn		

### Angular Velocity

degree/day	degree/hour	degree/minute
degree/second	radian/day	radian/hour
radian/minute	radian/second	revolution/day
revolution/hour	revolution/minute	revolution/second

### Luminance

apostilb	blondel
bril	candela/centimeter <sup>2</sup>
candela/foot <sup>2</sup>	candela/meter <sup>2</sup>
foot-lambert	lambert
lumen/centimeter <sup>2</sup> /steradian	lumen/foot <sup>2</sup> /steradian
lumen/meter <sup>2</sup> /steradian	millilambert
millinit	nit
skot	stilb
watt/centimeter <sup>2</sup> /steradian (at 555 nm)	

### Illumination

centimeter-candle	flame
foot-candle	lumen/centimeter <sup>2</sup>
lumen/foot <sup>2</sup>	lumen/meter <sup>2</sup>
lux	meter-candle
nox	phot
watt/centimeter <sup>2</sup> (at 555 nm)	

### Numbers

base-10	base-11	base-12	base-13
---------	---------	---------	---------

base-14	base-15	base-16	base-17
base-18	base-19	base-2	base-20
base-21	base-22	base-23	base-24
base-25	base-26	base-27	base-28
base-29	base-3	base-30	base-31
base-32	base-33	base-34	base-35
base-36	base-4	base-5	base-6
base-7	base-8	base-9	binary
decimal	hexadecimal	octal	Roman numeral

### Fractions

fraction	mixed number
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### Data Storage

bit	block	byte
CD-ROM	double-word	DVD (1 layer, 1 side)
DVD (1 layer, 2 sides)	DVD (2 layers, 1 side)	DVD (2 layers, 2 sides)
exabit	exabyte	exabyte (10 <sup>18</sup> bytes)
floppy disk (3.5", DD)	floppy disk (3.5", ED)	floppy disk (3.5", HD)
floppy disk (5.25", DD)	floppy disk (5.25", HD)	gigabit
gigabyte	gigabyte (10 <sup>9</sup> bytes)	kilobit
kilobyte	kilobyte (10 <sup>3</sup> bytes)	megabit
megabyte	megabyte (10 <sup>6</sup> bytes)	nibble
petabit	petabyte	petabyte (10 <sup>15</sup> bytes)
quadruple-word	terabit	terabyte
terabyte (10 <sup>12</sup> bytes)	word	Zip disk

### Data Transfer

bit/second	byte/second	ethernet (100Base-T)
ethernet (10Base-T)	ethernet (gigabit)	gigabit/second
gigabyte/second	ISDN (128k)	ISDN (64k)
kilobit/second	kilobyte/second	megabit/second
megabyte/second	modem (1200)	modem (14.4k)
modem (2400)	modem (28.8k)	modem (300)
modem (33.6k)	modem (56k)	modem (9600)
T1	T2	T3
T4		

### Dynamic Viscosity

centipoise	dyne-second/centimeter <sup>2</sup>	gram/centimeter-second
millinewton-second/meter <sup>2</sup>	newton-second/meter <sup>2</sup>	poise
pound force-second/foot <sup>2</sup>	pound/foot-second	poundal-second/foot <sup>2</sup>
slug/foot-second		

### Kinematic Viscosity

centimeter <sup>2</sup> /second	centistoke	foot <sup>2</sup> /second
meter <sup>2</sup> /second	millimeter <sup>2</sup> /second	stoke

### Conductance

abmho	gemmho	kilosiemens
megasiemens	mho	micromho
microsiemens	millisiemens	siemens



statmho

---

**Capacitance**

abfarad

farad

statfarad

---

**Charge**

abcoulomb

ampere-hour

ampere-minute

ampere-second

coulomb

faraday

franklin

statcoulomb

---

**Thermal Conductivity**

BTU-inch/hour-foot<sup>2</sup>-°F

BTU/hour-foot-°F

calorie/second-centimeter-°C

kilowatt/meter-K

watt/centimeter-°C

watt/meter-K

#### **Version 2.05 – October 15, 1998**

---

- Fixed an obscure bug that caused Master Converter to forget your registration code.
- Synchronized the "knot" unit with the "nautical mile" unit that was updated in version 2.01.
- Updated the "acre-foot" unit's conversion value.
- Added "gram/cubic millimeter" to the Density category.

#### **Version 2.04 – September 15, 1998**

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- Fixed a bug that affected some of the conversion values in the Energy category.
- Added and revised some units to the Luminance and Illumination categories.

#### **Version 2.03 – September 7, 1998**

---

- Fixed a bug that (in some situations) caused version 2.02 to not read custom units properly from previous versions.
- Fixed a problem with reading custom units' conversion values properly when you close Master Converter, change your decimal character in the Regional settings, and then start Master Converter again.

#### **Version 2.02 – August 22, 1998**

---

- Fixed a problem with unit customizations when your decimal character is set to something other than a period.
- Split the "Light" category into the more appropriate "Illumination" and "Luminance" categories.
- Now over 570 [pre-defined units](#) in 30 categories.
- Fixed a display problem when your Window color and Window Text colors are not set to the standard black-on-white.

#### **Version 2.01 – August 18, 1998**

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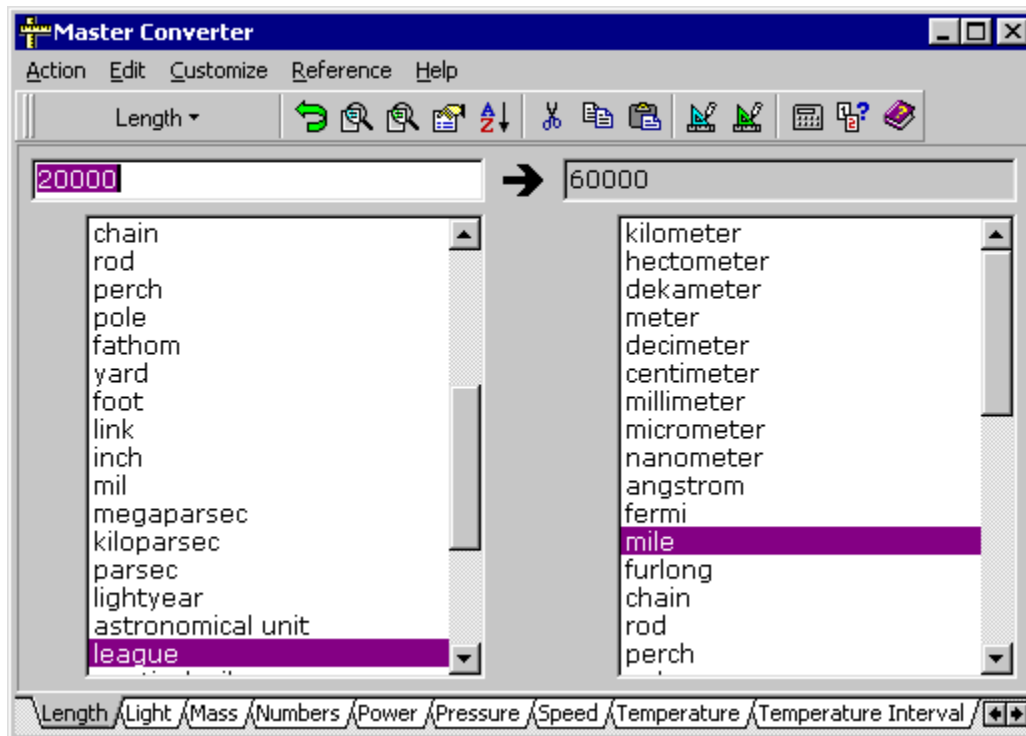
- Updated the conversion factors for "league" and "nautical mile". Version 2.0 was not using the most current and popular values for these units.
- Synchronized the "calorie" type units in the Energy and Power categories. Version 2.0 was not using the same value for calorie in all categories. Calorie has a few different values; version 2.01 now uses the most popular international value.
- Fixed a problem with the Savard Software logo showing properly on 256-color displays.

#### **Version 2.0 – August 1, 1998**

---

- Now over 550 [pre-defined units](#) in 29 categories.
- New Office 97-style [toolbar](#).

- New ability to add [your own categories](#) or to add [your own units](#) to existing categories.
- New "locate" feature that helps you find a [unit](#) or [category](#) by doing a substring search.
- New "expression" feature: you can enter [expressions](#) like  $(4*5)/10+2.5$  in the Input Field and Master Converter will evaluate the expression before performing the conversion.
- Improved localization: Master Converter now uses your thousands separator and decimal character as defined in the Control Panel instead of defaulting to the U.S. comma and period.
- You can now choose between "Gauge" and "Absolute" in the pressure category. (The difference between the two is one atmosphere.)
- Improved decimal-to-fraction algorithm.
- New ability to [customize](#) what calculator program is launched via the **Reference | Calculator** [menu](#).



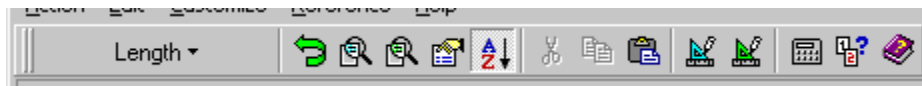
You will find Master Converter's interface friendly and intuitive. The main components of the screen are:

1. [Menus](#)
2. [Toolbar](#)
3. [Input Field](#)
4. [Convert From unit](#)
5. [Convert To unit](#)
6. [Answer Field](#)
7. [Category Selection Index Tabs](#)

Please see our [Example Conversion](#) to help familiarize yourself with how to convert units.

Here is an example of how you would convert 20,000 leagues into miles. Simply follow these easy steps:

1. Using the [Toolbar](#) or the [Category Selection Index Tabs](#), change to the [Length](#) category.
2. Enter [20000](#) into the [Input Field](#).
3. Select [league](#) in the [Convert From](#) unit list.
4. Select [mile](#) in the [Convert To](#) unit list.
5. The answer, which is [60000](#) miles, appears in the [Answer Field](#).

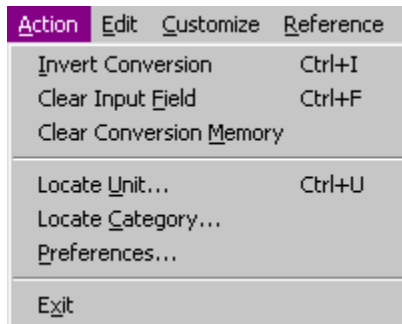


The Toolbar provides quick, single-click access to commands that are found in menus or dialog boxes. The buttons on the toolbar are the following (in order from left to right):

1. [Category Selector](#)
2. [Invert Conversion](#)
3. [Locate Unit](#)
4. [Locate Category](#)
5. [Preferences](#)
6. [Sort Units Alphabetically](#)
7. [Cut](#)
8. [Copy](#)
9. [Paste](#)
10. [Custom Units](#)
11. [Custom Categories](#)
12. [Calculator](#)
13. [Metric Prefixes](#)
14. [Help Contents](#)

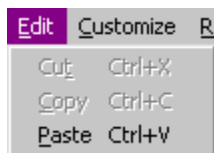
There are five main menus in Master Converter. Below you will find a screen shot of each menu as well as a description of what each menu item does.

### The Action Menu



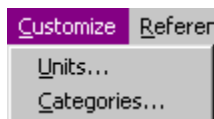
1. [Invert Conversion](#)
2. [Clear Input Field](#)
3. [Clear Conversion Memory](#)
4. [Locate Unit](#)
5. [Locate Category](#)
6. [Preferences](#)
7. [Exit](#)

### The Edit Menu



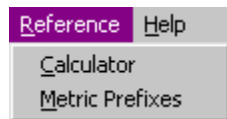
1. [Cut](#)
2. [Copy](#)
3. [Paste](#)

### The Customize Menu



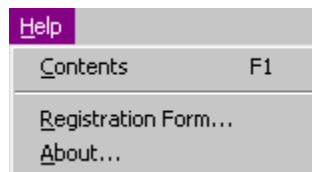
1. [Units](#)
2. [Categories](#)

### The Reference Menu



1. [Calculator](#)
2. [Metric Prefixes](#)

## The Help Menu



1. [Help Contents](#)
2. [Registration Form](#)
3. [About](#)

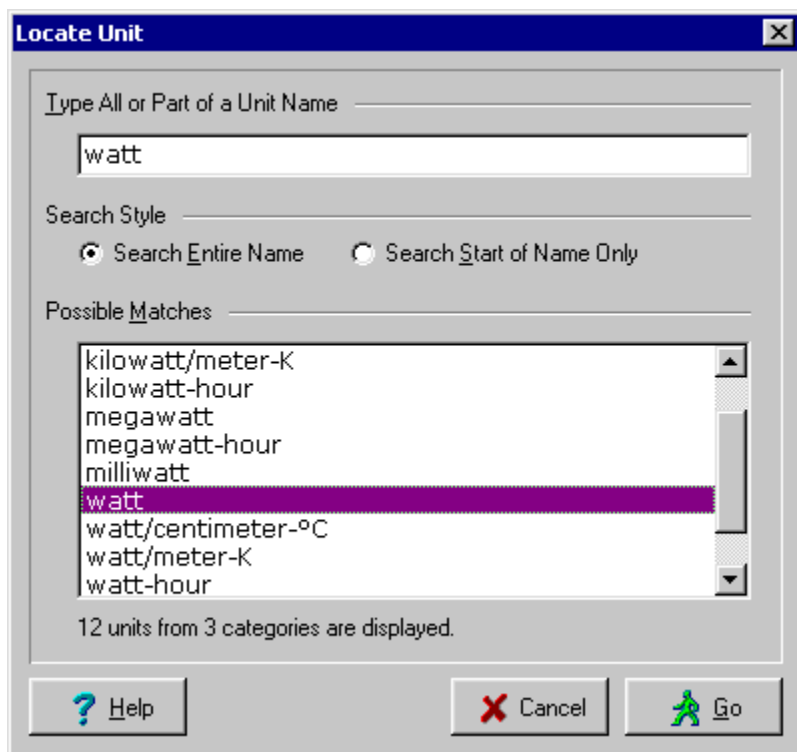




## Action | Locate Unit

The Locate Unit dialog can help you find any unit by searching for it and then changing the [Convert From Unit](#) to match.

This feature is especially useful when you are not certain which category a specific unit is located in. For example, suppose you want to convert something from [watt](#) to [calorie/hour](#). Are these units in the [Power](#), [Energy](#), or [Force](#) category? You could use the Locate Unit dialog to quickly take you to the correct category and automatically select the unit for you.



The above screen shot shows what the Locate Unit dialog looks like. The main components of this screen are:

1. [Search Expression](#)
2. [Search Style](#)
3. [Possible Matches](#)
4. [Go Button](#)
5. [Cancel Button](#)

You can also [Locate a Category](#) in the same manner as searching for a unit.

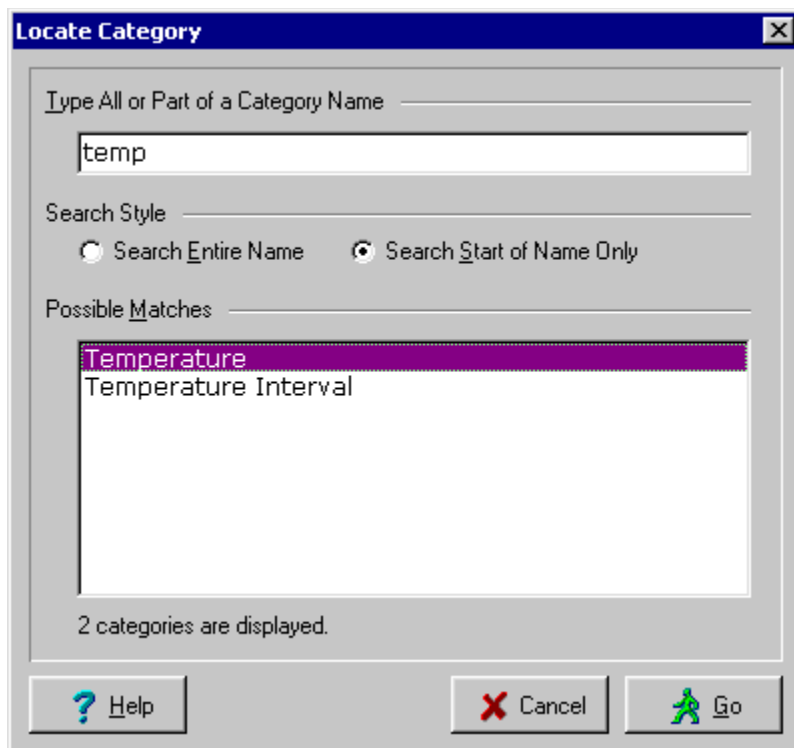


### Action | Locate Category

The Locate Category dialog can help you find any category by searching for it and then changing the current category to match.

This feature can be especially useful when you have added a large number of custom categories and find navigating the [Category Selection Tabs](#) or Category Selector on the [Toolbar](#) too slow.

For example, suppose you want to change to the [Temperature](#) category. Using the Locate Category dialog, you could quickly enter a part of the category name – for example, [temp](#) – and then double-click on the appropriate category in the list of matches.



The above screen shot shows what the Locate Category dialog looks like. The main components of this screen are:

1. [Search Expression](#)
2. [Search Style](#)
3. [Possible Matches](#)
4. [Go Button](#)
5. [Cancel Button](#)

You can also [Locate a Unit](#) in the same manner as searching for a category.



## Action | Preferences

The Preferences dialog is where you can customize Master Converter's behavior and appearance. This dialog is divided up into four categories:

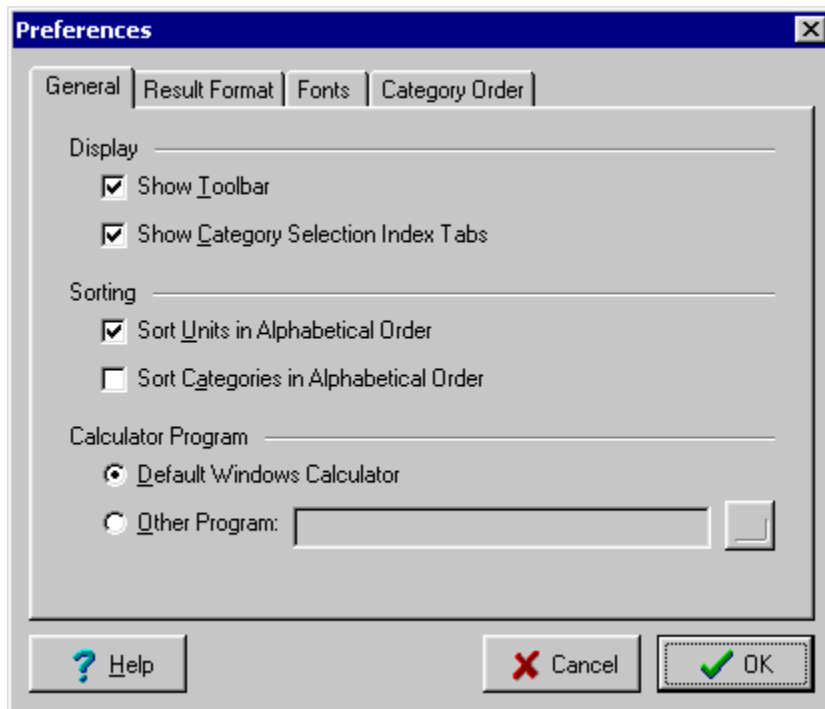
- [1. General](#)
- [2. Result Format](#)
- [3. Fonts](#)
- [4. Category Order](#)

Click on one of the above categories for more information.



## Action | Preferences

This screen lets you customize the appearance of Master Converter and the alphabetizing of units and categories.



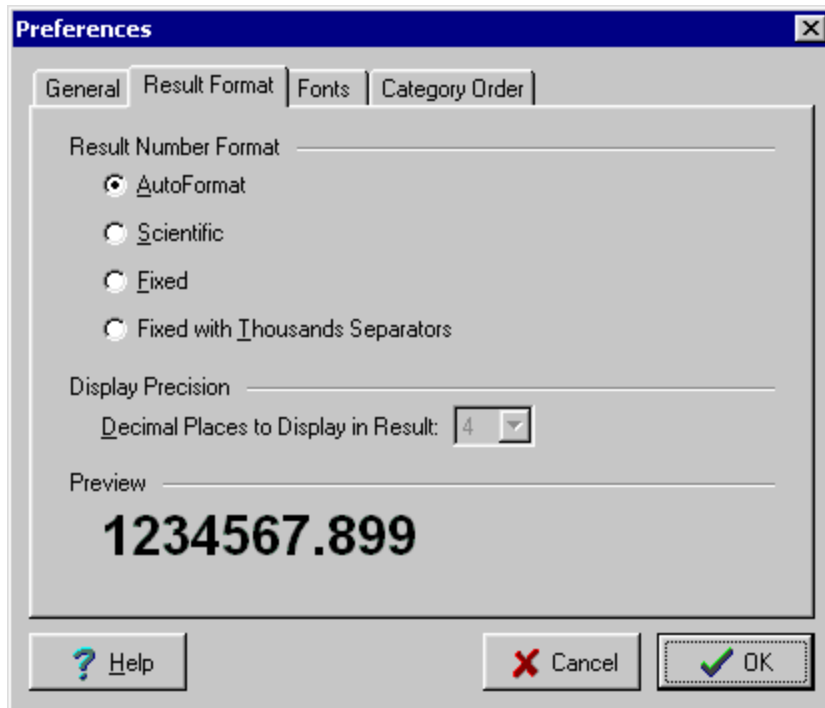
The above screen shot shows what this dialog looks like. The main components of this screen are:

1. [Show Toolbar](#)
2. [Show Category Selection Index Tabs](#)
3. [Sort Units in Alphabetical Order](#)
4. [Sort Categories in Alphabetical Order](#)
5. [Default Windows Calculator](#)
6. [Other Program](#)
7. [Cancel Button](#)
8. [OK Button](#)



## Action | Preferences

Here you can adjust the appearance of the calculated result in the [Answer Field](#). The default is AutoFormat (which intelligently chooses either Scientific or Fixed based on the value), but you can choose to force Scientific or Fixed display.



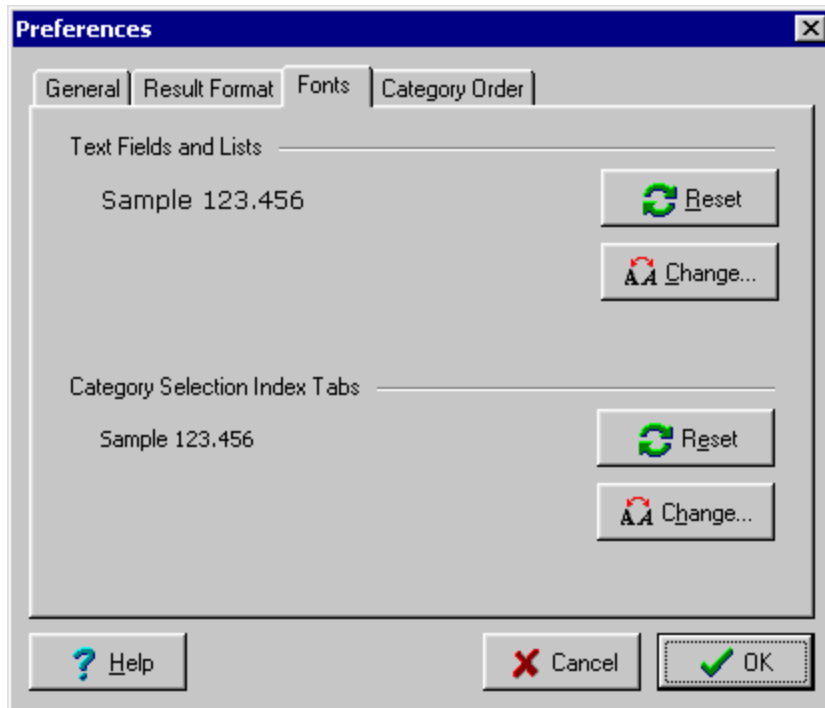
The above screen shot shows what this dialog looks like. The main components of this screen are:

1. [AutoFormat](#)
2. [Scientific](#)
3. [Fixed](#)
4. [Fixed with Thousands Separators](#)
5. [Decimal Places to Display in Result](#)
6. [Preview](#)
7. [Cancel Button](#)
8. [OK Button](#)



## Action | Preferences

The various fonts that Master Converter uses can be customized to your liking. There are basically two fonts used throughout Master Converter. One font is used for text and lists, and the other font is used solely for the [Category Selection Tabs](#).



The above screen shot shows what this dialog looks like. The main components of this screen are:

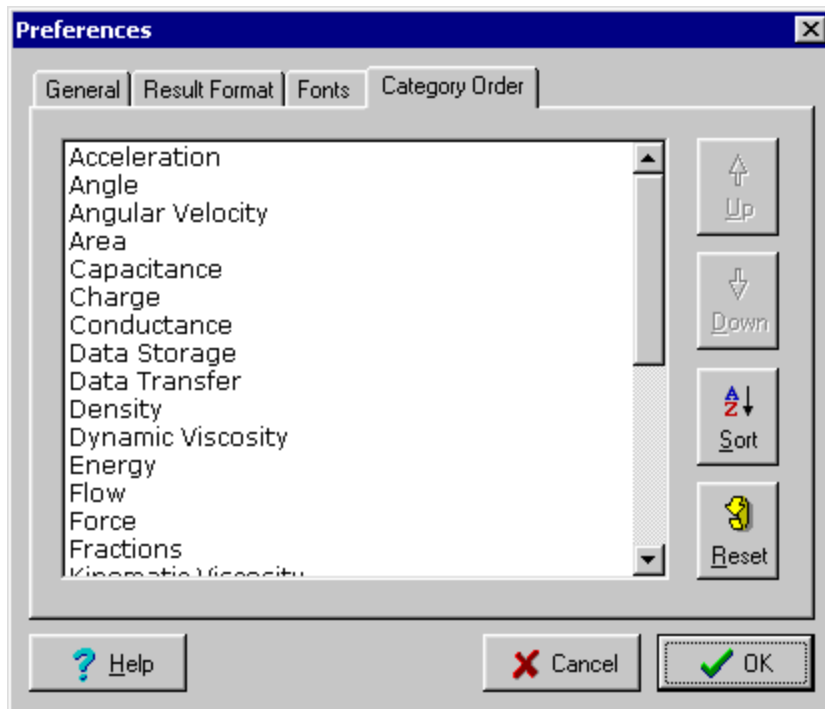
1. [Text Fields and Lists](#)
2. [Category Selection Index Tabs](#)
3. [Reset Button](#)
4. [Change Button](#)
5. [Cancel Button](#)
6. [OK Button](#)



## Action | Preferences

This screen allows you to customize the ordering of categories. By moving frequently-used categories to the top of the list, they will appear closer to the top of the [Category Selector](#) menu and closer to the left of the [Category Selection Tabs](#).

**Note:** You cannot adjust category ordering on this screen if the "Sort Categories" option is enabled on the [General Preferences](#) dialog; that setting overrides this dialog.



The above screen shot shows what this dialog looks like. The main components of this screen are:

1. [Category List](#)
2. [Move Category Up](#)
3. [Move Category Down](#)
4. [Sort Categories](#)
5. [Reset Category Order](#)
6. [Cancel Button](#)
7. [OK Button](#)

Master Converter supports the use of expressions when you enter the value to convert into the [Input Field](#). This expression is evaluated before Master Converter does the conversion.

What is an expression? An expression is simply a value that contains mathematical operators. Some samples of possible expressions include:

- $3+4$
- $5*10$
- $10/2$
- $2^{16}$
- $4*3+1$
- $(4+2)*7^2$
- $(10/3*5+9.2-100)/50$

As you can see, expressions can be as simple as adding two numbers together, or more complex ones containing parentheses or power operators. For example, If you entered the expression  $3+4$ , Master Converter would evaluate the expression and then convert the answer,  $7$ , to the target unit.

The following is a list of operators that Master Converter understands:

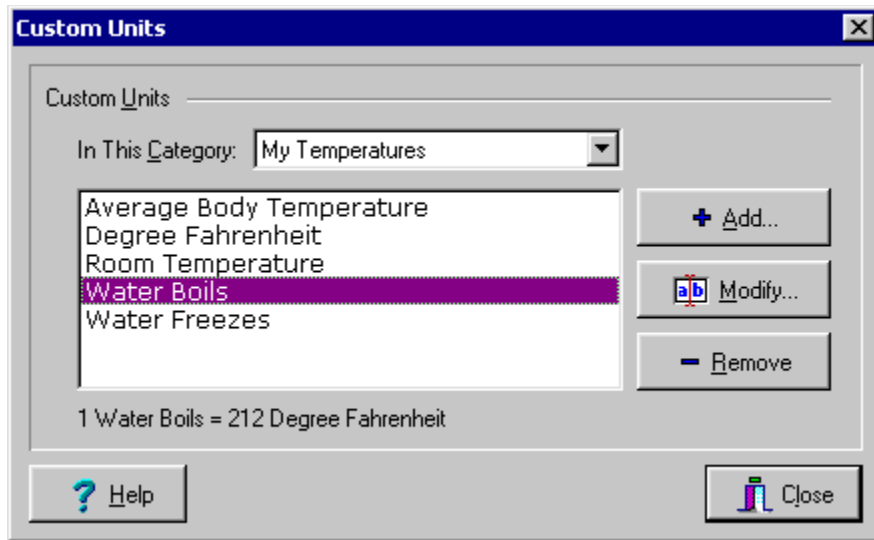
Operator	Meaning
+	Adds two numbers.
-	Subtracts two numbers.
*	Multiplies two numbers.
/	Divides two numbers.
^	Raises a number to a power.
( )	Forces the expression within the parentheses to be processed first, overriding standard order-of-operation. Parentheses can be nested.



[Customize | Units](#)

Master Converter allows you to add your own custom units to existing, pre-defined categories or to your own [custom categories](#). This dialog is where you manage all of your custom units, whether you're adding, modifying, or removing them.

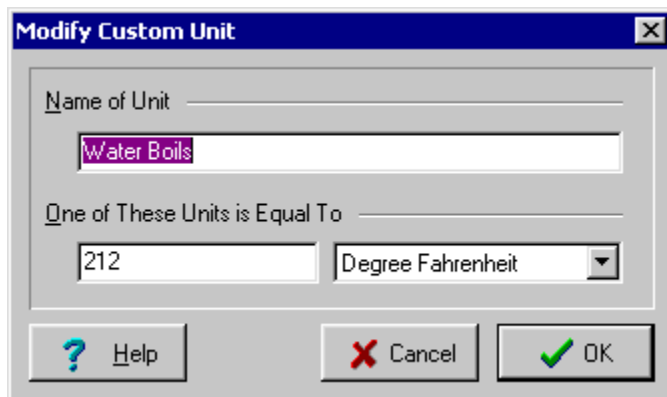




The above screen shot shows what this dialog looks like. The main components of the screen are:

1. [In This Category](#)
2. [Custom Unit List](#)
3. [Add Button](#)
4. [Modify Button](#)
5. [Remove Button](#)
6. [Custom Unit Properties](#)
7. [Close Button](#)

When you are adding or modify a custom unit, you will work with the following dialog:



The main components of this screen are:

1. [Name of Unit](#)
2. [Conversion Factor](#)
3. [Based-On Unit](#)
4. [Cancel Button](#)
5. [OK Button](#)

**Example:** You find that Master Converter has no [widget](#) unit in the [Length](#) category, so you want to add it yourself. You know that one [widget](#) equals three [inches](#). Here are the steps you would follow to add this unit:

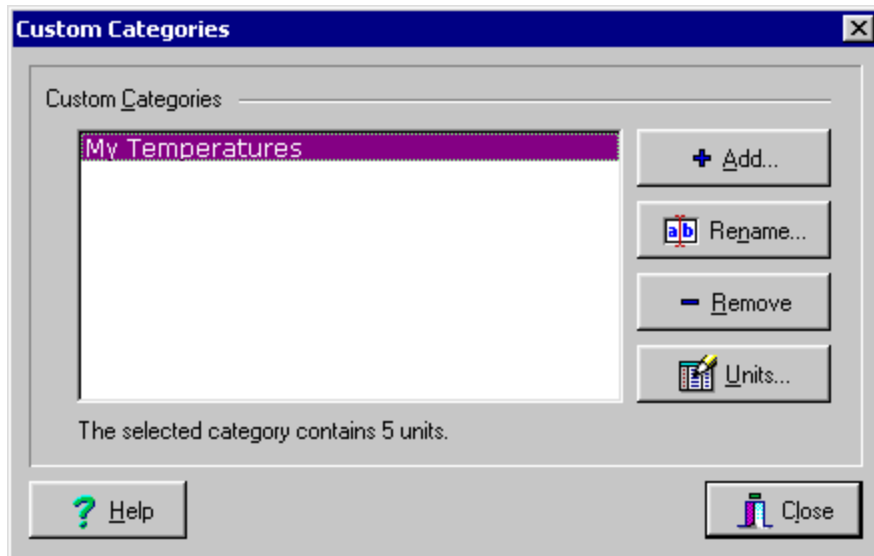
1. Change the currently displayed category to [Length](#). (You can use the "[In This Category](#)" drop down list.)
2. Click the [Add Button](#) to add a new unit.
3. In the [Name of Unit](#) field, type in [widget](#).
4. In the [Conversion Factor](#) field, enter the number [3](#).
5. Choose [inch](#) in the [Based-On Unit](#) list.
6. Press the [OK Button](#) and your unit is now ready for use!

To test it out, press the [Close Button](#) to close the "Custom Units" dialog. You can now select widget from the [Convert From Unit](#) list, and select inch (or any other unit) from the [Convert To Unit](#) list. Enter a value to convert in the [Input Field](#) and the result will appear in the [Answer Field](#). You will notice that the answer is based on the fact that [one widget](#) equals [three inches](#).



## Customize | Categories

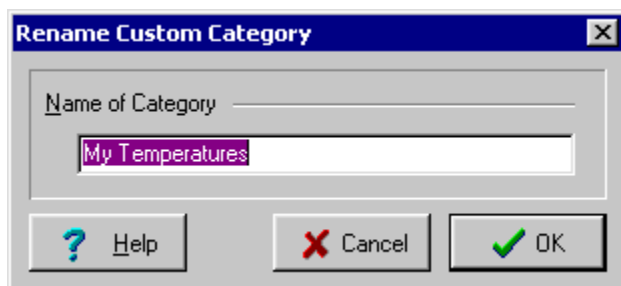
In addition to the numerous categories that are built-in to Master Converter, you have the ability to add your own. Custom Categories can contain a large number of [Custom Units](#). This dialog is where you manage all of your custom categories, whether you're adding, renaming, or removing them.



The above screen shot shows what this dialog looks like. The main components of the screen are:

1. [Custom Category List](#)
2. [Add Button](#)
3. [Rename Button](#)
4. [Remove Button](#)
5. [Units Button](#)
6. [Custom Category Properties](#)
7. [Close Button](#)

When you are adding or renaming a custom category, you will work with the following dialog:



The main components of this screen are:

1. [Name of Category](#)
2. [Cancel Button](#)
3. [OK Button](#)

Shareware is a form of *try-before-you-buy* software. Why should you give shareware a chance? The advantages are best realized when shareware software is compared to commercial, store-bought software:

- **Written by smaller companies, oftentimes by a single individual. This gives you the ability to speak to the author directly when you need support.**
- **Relatively inexpensive. While most commercial packages can be \$50, \$100, or more, many shareware packages are available for \$10 to \$25.**
- **Submit your suggestions directly to the programmer. See your ideas implemented!**
- **Updated versions are released relatively often.**
- **See if the product will fit your needs before making an investment.**

The goal behind shareware software is to provide you with an opportunity to try out software before you actually pay for it. This completely eliminates the risk of buying a program that is of no use to you.

Shareware, however, is not free software. If you find a program that is useful to you, you are encouraged to [Register](#) your software. By sending in a nominal fee, you are giving your support to the author and encouraging future development. Without registrations, high-quality try-before-you-buy software couldn't exist!

At Savard Software, we offer something that many companies do not: **free upgrades!** As a registered user, you are entitled to unlimited upgrades to the product you registered. There will never be a need to register the same product twice... **guaranteed!**

**The evaluation period for our software is 30 days.** If, after that time, you do not wish to register, you are asked to remove the software from your computer. We realize that there are people who do not use their computer enough to give a full evaluation within the 30 day period. For this reason, our software does not disable itself after the evaluation period is over.

If you have any other questions concerning our policies or about shareware software in general, please do not hesitate to [contact us!](#)

Master Converter is distributed as a shareware software product. The goal behind the shareware software concept is to give you the ability to try out a program **before** you actually pay for it.

If you find this program useful, please support the shareware software concept by registering! Your support will help ensure future development of this program!

There are three ways you can register:

- **Online using your credit card (Visa and MasterCard only).**  
<http://www.savard.com>
- **Via postal mail a check, money order, or credit card.**  
Savard Software  
PO Box 3955  
Tri-Cities, WA 99302-3955  
UNITED STATES
- **Over the phone using your credit card.**  
509-736-6342

To register online, visit our web site at <http://www.savard.com>. You have the option of using a secure web server to ensure your online transaction is completely safe. You will receive your registration code via e-mail usually within 24 hours... oftentimes even sooner!

You can also register via postal mail by printing and filling out the Registration Form in this help file, or by clicking on the "Registration Form" button on the opening screen of Master Converter. This information can then be printed and mailed to the authors along with your payment. **If paying by check, remember that checks must be drawn on a U. S. Bank, or your registration will be returned to you. We cannot process checks drawn on foreign banks.**

Lastly, you can register over the phone using your credit card. Please feel free to call us at 509-736-6342 to place your order.

When you register, you'll receive a personalized code that will remove the opening Wait Screen on this **and all future versions** of Master Converter. Once you register, there will never be a need to register again!

## Master Converter

Please print this form and fill it out. Alternatively, you can use the registration form built-in to Master Converter. Once filled out, please mail the form to:

Savard Software  
PO Box 3955  
Tri-Cities, WA 99302-3955  
UNITED STATES

Payments can be made by check (in U.S. dollars, **drawn on U. S. bank**), or by money order (in U. S. dollars), or by credit card (Visa or MasterCard). Sending U.S. cash through the mail is not recommended but is acceptable.

Upon receipt of payment, a registration number will be sent to you that removes the opening Wait Screen on this and all future (both 16-bit and 32-bit) versions of Master Converter.

**Check the appropriate boxes below, depending on how many licenses you would like to register.** Confused? Please see the [Example Registration Form](#) or use the registration form that's built-in to Master Converter as it calculates the total price automatically. (To use the built-in form, press the **Registration Form** button on the opening Wait Screen.)

☒ First license: \$15.00 ..... \$ **15.00**

☐ 2nd through 19th licenses: \$11.00ea x \_\_\_\_\_ ..... \$ \_\_\_\_\_

☐ 20th through 49th licenses: \$ 9.00ea x \_\_\_\_\_ ..... \$ \_\_\_\_\_

☐ 50th through 99th licenses: \$ 7.00ea x \_\_\_\_\_ ..... \$ \_\_\_\_\_

☐ 100th license and beyond: \$ 5.00ea x \_\_\_\_\_ ..... \$ \_\_\_\_\_

☐ **Latest version on Diskette (add \$5.00) ..... \$ \_\_\_\_\_**

**TOTAL LICENSES \_\_\_\_\_ . . . . . TOTAL PRICE \$ \_\_\_\_\_**

**Our Pledge:** The following information is for our records only and will be kept in the strictest of confidence.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

City, State, ZIP: \_\_\_\_\_

Country: \_\_\_\_\_ Phone: \_\_\_\_\_

E-mail address: \_\_\_\_\_

Downloaded from: \_\_\_\_\_

Where I heard about it: \_\_\_\_\_

Credit Card Number: \_\_\_\_\_ Exp. Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

This example shows how you would fill out the registration form if you were going to register **30 licenses** of Master Converter:

<input checked="" type="checkbox"/> First license:	\$15.00 .....	\$	<b>15.00</b>
<input checked="" type="checkbox"/> 2nd through 19th licenses:	\$11.00ea x <b>18</b> .....	\$	<b>198.00</b>
<input checked="" type="checkbox"/> 20th through 49th licenses:	\$ 9.00ea x <b>11</b> .....	\$	<b>99.00</b>
<input type="checkbox"/> 50th through 99th licenses:	\$ 7.00ea x _____ .....	\$	_____
<input type="checkbox"/> 100th license and beyond:	\$ 5.00ea x _____ .....	\$	_____
<input checked="" type="checkbox"/> Latest version on Diskette (add \$5.00) .....		\$	<b>5.00</b>
<b>TOTAL LICENSES</b> <u>  30  </u> . . . . . <b>TOTAL PRICE</b> \$ <u> 317.00 </u>			

The more licenses purchased, the more money you save. In this example, purchasing 30 licenses saves you \$138.00 since each license only ends up costing a little over \$10.00!

[Back to the Registration Form](#)





The following table shows the prefixes used in metric units and their multiplication factors and symbols:

	<b>Multiplication Factors</b>	<b>Prefix</b>	<b>Symbol</b>
1x10 <sup>18</sup>	1,000,000,000,000,000,000	exa	E
1x10 <sup>15</sup>	1,000,000,000,000,000	peta	P
1x10 <sup>12</sup>	1,000,000,000,000	tera	T
1x10 <sup>9</sup>	1,000,000,000	giga	G
1x10 <sup>6</sup>	1,000,000	mega	M
1x10 <sup>3</sup>	1,000	kilo	k
1x10 <sup>2</sup>	100	hecto	h
1x10 <sup>1</sup>	10	deka	da
1x10 <sup>-1</sup>	0.1	deci	d
1x10 <sup>-2</sup>	0.01	centi	c
1x10 <sup>-3</sup>	0.001	milli	m
1x10 <sup>-6</sup>	0.000 001	micro	μ
1x10 <sup>-9</sup>	0.000 000 001	nano	n
1x10 <sup>-12</sup>	0.000 000 000 001	pico	p
1x10 <sup>-15</sup>	0.000 000 000 000 001	femto	f
1x10 <sup>-18</sup>	0.000 000 000 000 000 001	atto	a

Technical support is available to all users, registered or not. You can contact the author in any of the following ways. If you'd like to see if an updated version of Master Converter is available, be sure to check the Savard Software web site!

**Mail:**

Savard Software  
PO Box 3955  
Tri-Cities, WA 99302-3955  
UNITED STATES

**Internet:**

E-mail: [rodney@savard.com](mailto:rodney@savard.com)  
World Wide Web: <http://www.savard.com>

**Voice:**

509-736-6342

**Warning:** This program, along with all documentation, is protected by copyright law. Unauthorized reproducing, disassembling, reverse engineering, or decompiling of this program, or any portion of it or its documentation, is strictly prohibited.

Unauthorized altering (which includes, but is not limited to, hex editing, "patching", or "cracking") is strictly prohibited.

Distribution of your private registration key (which you receive upon registration of Master Converter) is unauthorized, and may result in an invalidation of your key. Invalid keys will not be supported by future versions of Master Converter.

The use of a registration key that was not sent to you by the author is strictly prohibited.

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**ALL RIGHTS RESERVED**

Several reliable sources were used to determine and verify conversion factors. While every attempt has been made to provide the most accurate conversions possible, neither Savard Software nor its suppliers may be held liable for any damages resulting from the use or inability to use this software. It is recommended that any mission-critical calculations be verified.

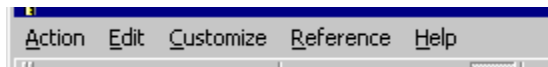
Every attempt has been made to provide you with the most reliable and bug-free software possible. Master Converter has been thoroughly tested and found compatible with Windows 3.x, Windows 9x, and Windows NT.

Although this software should never cause any harm to your system's hardware or files, the following disclaimer is necessary:

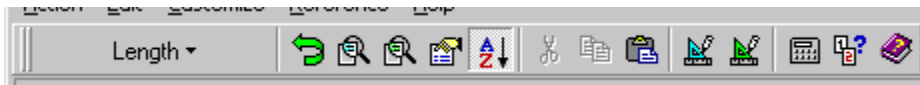
**The program Master Converter and its corresponding files are distributed "as is." The author does not make any warranty of any kind, expressed or implied. In no event shall the author be held liable for any damages including (but not limited to) lost profits, lost savings, or any other incidental or consequential damages resulting from the use or inability to use this program, even if the author has been advised of the possibility of such damages, or for any claim by any other party.**

**If you do not agree with this disclaimer, you are not licensed to use this software. You must stop using Master Converter and immediately remove it from your system. By continuing to use Master Converter, you are expressing your agreement to the above disclaimer.**

## The Menu



## The Toolbar



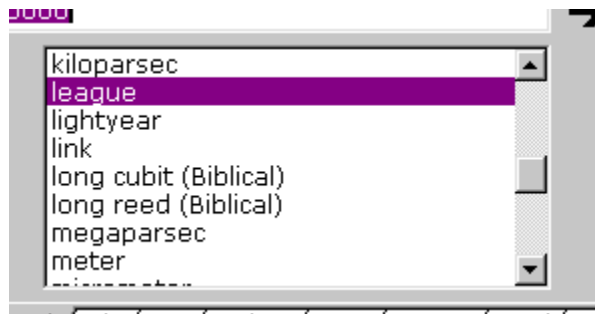
## The Input Field



Enter the value to convert into this field.

**Example:** If you were converting 20,000 leagues to miles, you would enter [20000](#) here.

## The Convert From unit

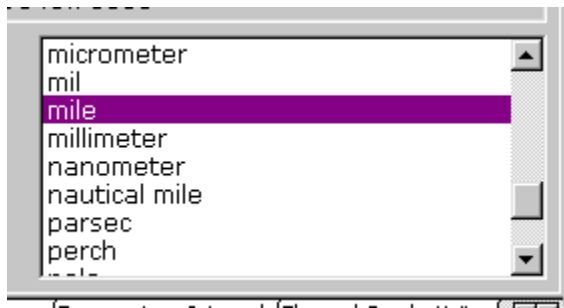


This is where you select the unit you are converting **from**.

**Example:** If you were converting 20,000 leagues to miles, you would select [league](#) here.



### The Convert To unit



This is where you select the unit you are converting **to**.

**Example:** If you were converting 20,000 leagues to miles, you would select [mile](#) here.

### The Answer Field



Once you have entered the value to convert and selected the Convert From and Convert To units, the result will appear here.

**Example:** If you were converting 20,000 leagues to miles, an answer of 60000 miles would appear here.

## The Category Selection Index Tabs



This allows you to change the current unit category by selecting the desired tab. You can also change the current category by using [the Toolbar](#).

**Example:** If you were converting 20,000 leagues to miles, you would click on the [Length](#) tab to display the appropriate unit category.

**Note:** These Index Tabs can be hidden by going to the [General Preferences](#) dialog.

## Category Selector



This allows you to change the current unit category. You can also change the current category by using [The Category Selection Index Tabs](#).

## Invert Conversion



This reverses the current conversion by switching the selected units and conversion values.

**Example:** If you were converting 4 yards to 12 feet, inverting the conversion would change it to converting 12 feet to 4 yards.

## Locate Unit



This allows you to find a unit in any category by doing a substring search. This is especially handy when you are not sure in which category a unit is located.

See [Locating a Unit](#) for more information.

## Locate Category



This allows you to find a category by doing a substring search. This can be especially useful if you have added a large number of custom categories.

See [Locating a Category](#) for more information.

## Preferences



Displays the Preferences dialog, where you can adjust several settings that affect Master Converter's appearance and behavior.

See [Preferences](#) for more information.



## Sort Units Alphabetically



This is a toggle setting that, when enabled, will sort the unit lists in alphabetical order. When this option is **not** enabled, units are sorted in logical groupings.

## Cut



Cuts the selected text to the clipboard, allowing you to paste it into this or another application.

## Copy



Copies the selected text to the clipboard, allowing you to paste it into this or another application.

## Paste



Pastes text from the clipboard into the current cursor position.

**Note:** You can only use this option when the cursor is located in the [Input Field](#).

## Custom Units



Displays the [Custom Units](#) dialog where you can add, modify, or remove custom units in any category.

## Custom Categories



Displays the [Custom Categories](#) dialog where you can add, rename, or remove a custom category or modify its units.

## Calculator



Launches the default Windows Calculator. If you have another favorite Calculator program, you can specify which program you want Master Converter to launch by going to the [General Preferences](#) dialog.

## Metric Prefixes



Displays the online help page that shows [Metric Prefixes](#).



## Help Contents



Displays the main [Contents](#) page of the online help.

**Clear Input Field**

Erases the input value and moves the cursor to the input field. This allows you to quickly type in another value to convert, especially when you use the associated hot key (`Ctrl+F`).

**Clear Conversion Memory**

Clears the last-converted values and units from each category. Normally Master Converter keeps track of your most recent conversion in each category for your convenience.

**Exit**

Closes the Master Converter program.

## About

Displays the About dialog. This screen displays version information, your [registration](#) code, and web and e-mail addresses of Savard Software.

## Registration Form

Displays the interactive Registration Form. This is the recommended method of registering through the mail as it will request all required information, calculate your registration price automatically, and print out your registration form on your printer.

**Note:** There is also a [Registration Form](#) in the online help that can be printed and filled out by hand. You can also register using your credit card on a secure web server! See [How to Register](#) for more information.

### **Search Expression**

This is where you type all or part of a unit name to search for.

**Example:** If you wanted to locate [horsepower](#), you could enter the word [horse](#) into this field.

## Search Style

This setting determines how Master Converter will search for matches.

- 1. Search Entire Name:**

Units that have the [Search Expression](#) anywhere in their name will match.

- 2. Search Start of Name Only:**

Units that have the [Search Expression](#) somewhere in the beginning of their name will match.



### **Possible Matches**

Any units that match the [Search Expression](#) entered will appear in this list. You can quickly go to a unit in this list by double-clicking on it or by selecting it and pressing the [Go Button](#).

### **Go Button**

After you select a unit in the [Possible Matches](#) list, you can press this button to have Master Converter quickly take you to the category where the unit belongs and select the unit for you.

Alternatively, you can simply double-click on the unit in the [Possible Matches](#) list.

**Cancel Button**

Press this button to return to Master Converter without changing groups or the unit selected.

## Search Expression

This is where you type all or part of a category name to search for.

**Example:** If you wanted to locate the [Temperature](#) category, you could enter the word [temp](#) into this field.

## Search Style

This setting determines how Master Converter will search for matches.

- 1. Search Entire Name:**

Categories that have the [Search Expression](#) anywhere in their name will match.

- 2. Search Start of Name Only:**

Categories that have the [Search Expression](#) somewhere in the beginning of their name will match.

### **Possible Matches**

Any categories that match the [Search Expression](#) entered will appear in this list. You can quickly go to a category in this list by double-clicking on it or by selecting it and pressing the [Go Button](#).

### **Go Button**

After you select a category in the [Possible Matches](#) list, you can press this button to have Master Converter quickly take you to that category.

Alternatively, you can simply double-click on the category in the [Possible Matches](#) list.

**Show Toolbar**

Displays the [Toolbar](#). By default, the Toolbar is located at the top of the Master Converter window, but may be relocated anywhere on screen.



## **Show Category Selection Index Tabs**

Displays the [Category Selection Tabs](#), which is one method you can use to change the current category.

### **Sort Units in Alphabetical Order**

This is a toggle setting that, when enabled, will sort the unit lists in alphabetical order. When this option is **not** enabled, units are sorted in logical groupings.


## Sort Categories in Alphabetical Order

This is a toggle setting that, when enabled, will sort the categories in alphabetical order on both the [Category Selection Tabs](#) and the [Category Selector](#) on the [Toolbar](#).

When this option is **not** enabled, categories are sorted exactly as specified on the [Category Order Preferences](#) screen.


If this option **is** enabled, then the category order **cannot** be modified on the [Category Order Preferences](#) screen.

## Default Windows Calculator

When this option is selected, the  button on the [Toolbar](#) and the **Reference | Calculator** [Menu](#) will bring up the normal Windows Calculator, `calc.exe`.

## Other Program

If you have a Calculator program that you prefer to use rather than the default Windows Calculator (`calc.exe`), you can select this option.

Either enter the file name of the program or click the Browse button and select the program that you would like have started for you when you click the  button on the [Toolbar](#) or the **Reference | Calculator [Menu](#)**.

**Cancel Button**

Closes the Preferences screen without saving your changes or putting them into effect.

**OK Button**

Closes the Preferences screen and puts your changes into effect.

## AutoFormat

The value is converted to the shortest possible decimal string using [fixed](#) or [scientific](#) format. Trailing zeros are removed from the resulting string, and a decimal point appears only if necessary.

The resulting string uses fixed point format if the number of digits to the left of the decimal point in the value is less than or equal to the specified precision, and if the value is greater than or equal to 0.00001. Otherwise the resulting string uses scientific format.

**Note:** When AutoFormat is selected, you cannot choose the number of digits after the decimal place to display; it is determined automatically.



**Scientific**

The value is converted to a string of the form "-d.ddd...E+ddd". The resulting string starts with a minus sign if the number is negative. One digit always precedes the decimal point.

The "E" exponent character in the resulting string is always followed by a plus or minus sign and at least three digits.

**Fixed**

The value is converted to a string of the form "-ddd.ddd...". The resulting string starts with a minus sign if the number is negative.

### **Fixed with Thousands Separators**

The value is converted to a string of the form "-d,ddd,ddd.ddd...". The resulting string starts with a minus sign if the number is negative.

This is identical to the fixed format except that the resulting string contains thousands separators.

**Decimal Places to Display in Result**

The number of digits to display after the decimal point. It is important to note that not all digits displayed may be significant digits.

**Preview**

Displays a preview of the value "1234567.8987654321" formatted according to current selections.

## **Text Fields and Lists**

This is a preview of the font that will be used for text fields and lists.

## **Category Selection Index Tabs**

This is a preview of the font that will be used for the [Category Selection Tabs](#).

**Reset Button**

Resets the currently selected font back to the default.



## **Change Button**

Changes the font attributes, such as name, size, style, and weight.

## **Category List**

Complete list of categories and their current order.

### **Move Category Up**

Moves the selected category higher in the list. This will place the category closer to the start of the [Category Selector](#) menu or closer to the left side of the [Category Selection Tabs](#).

**Note:** You cannot alter the category ordering while the "Sort Categories" option is enabled on the [General Preferences](#) screen.

### **Move Category Down**

Moves the selected category lower in the list. This will place the category closer to the end of the [Category Selector](#) menu or closer to the right side of the [Category Selection Tabs](#).

**Note:** You cannot alter the category ordering while the "Sort Categories" option is enabled on the [General Preferences](#) screen.

## Sort Categories

Sorts the categories in alphabetical order. This differs from the "Sort Categories" option on the [General Preferences](#) screen because this option is not "sticky". It merely sorts the categories and then allows you to continue customizing the category order.

**Note:** You cannot alter the category ordering while the "Sort Categories" option is enabled on the [General Preferences](#) screen.

## **Reset Category Ordering**

Resets the category ordering to the default order.

**Note:** You cannot alter the category ordering while the "Sort Categories" option is enabled on the [General Preferences](#) screen.

### **In This Category**

This is the selected category. The customized units for the selected category will appear in the list below.

### **Custom Unit List**

This list shows all of the customized units in the selected category.



**Add Button**

Adds a new custom unit to the selected category.

**Modify Button**

Modifies the selected unit's name or its conversion factor.

**Remove Button**

Deletes the selected unit.

**Close Button**

Closes the Custom Units dialog when you are finished managing units.

### **Custom Unit Properties**

This area displays a quick summary of the selected unit's properties.

**Name of Unit**

This is the name of the custom unit as it will appear in unit lists. You cannot choose a name that is already used by another unit in the same category.

## Conversion Factor

The custom unit's conversion value is based on a combination of this number and the [Based-On Unit](#).

**Example:** If you were adding a unit called `widget` that is equal to three inches, you would enter the number `3` in this field.

**Note:** You can enter an [expression](#) into this field.

### Based-On Unit

The custom unit's conversion value is based on a combination of the Conversion Factor and this unit.

**Example:** If you were adding a unit called `widget` that is equal to three inches, you would choose `inch`.

**Note:** You cannot base a unit on itself.



**Cancel Button**

Closes this screen without accepting your changes.

**OK Button**

Closes this screen and puts your changes into effect.

## **Custom Category List**

List of all custom categories that you have set up in Master Converter.

**Add Button**

Adds a new custom category.

**Rename Button**

Renames the selected custom category.

**Remove Button**

Deletes the selected custom category. All of the units in the selected category will also be deleted. You will be asked for to confirm before the category is deleted.

**Units Button**

Displays the [Custom Units](#) dialog where you can manage the custom units for this category

### **Custom Category Properties**

This area displays the number of units the selected category contains.



**Close Button**

Closes the Custom Categories dialog when you are finished managing categories.

**Name of Category**

Name of the custom category. You cannot choose a name that is already used by another category.

