

US Weather Wake Up (Java Version)

USER GUIDE

Software Version 2.0

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US Weather Wake Up (Java Version)	1
1. END-USER LICENSE AGREEMENT.....	3
2. SYSTEM REQUIREMENTS	4
3. INSTALLATION	5
4. THE PURPOSE OF US WEATHER WAKE UP	7
5. TRIAL VERSIONS AND STANDARD VERSIONS	9
6. USING US WEATHER WAKE UP.....	10
7. FAQ's FOR US WEATHER WAKE UP.....	14
8. UN-INSTALLING DATA SUMMER INC.'S US WEATHER WAKE UP.....	18
APPENDIX1. END-USER LICENSE AGREEMENT	19

1. END-USER LICENSE AGREEMENT

The end-user license agreement for US Weather Wake Up (Java Version) is available for your review in the Appendix to this guide and on first start-up of the software. Please make sure you've read and agreed the license before purchasing the software.

2. SYSTEM REQUIREMENTS

Almost any computer that is capable of running Java™ Standard Edition Runtime Environment ("JRE") version 6 or later is capable of running US Weather Wake Up (Java Version).

This means almost any PC, Apple computer and computers running Microsoft Windows, Mac OS or Linux can run US Weather Wake Up.

US Weather Wake Up requires less than 2 Megabyte of hard disk space on your computer. If JRE is not yet installed on your computer it may require approximately 100 Megabytes of disk space.

US Weather Wake Up requires that you have an Internet browser registered on your computer's desktop, and that your computer has media players that can play radio stations over the web.

The common file formats used for web radio stations are Flash, .m3u, .ram and .asx. Ideally your computer should have media player programs that can play any of these formats. Please note that most of these media players are available as free downloads from the web.

US Weather Wake Up requires high-speed internet access. Since the application turns your computer into an alarm clock, you will need high speed internet access by your bedside and either a laptop computer or other computer by your bedside.

The User Guide requires Adobe Reader which is available as a free download from www.adobe.com .

In all cases you should test compatibility of US Weather Wake Up (Java Version) with your hardware, with your internet browser, with your media players and with your operating system by using a free trial version of Weather Wake Up before purchase.

Free trial versions of US Weather Wake Up may be downloaded from www.datasummer.com

(The Java(TM) Runtime Environment (JRE) is a product of Sun Microsystems(TM), Inc)

3. INSTALLATION

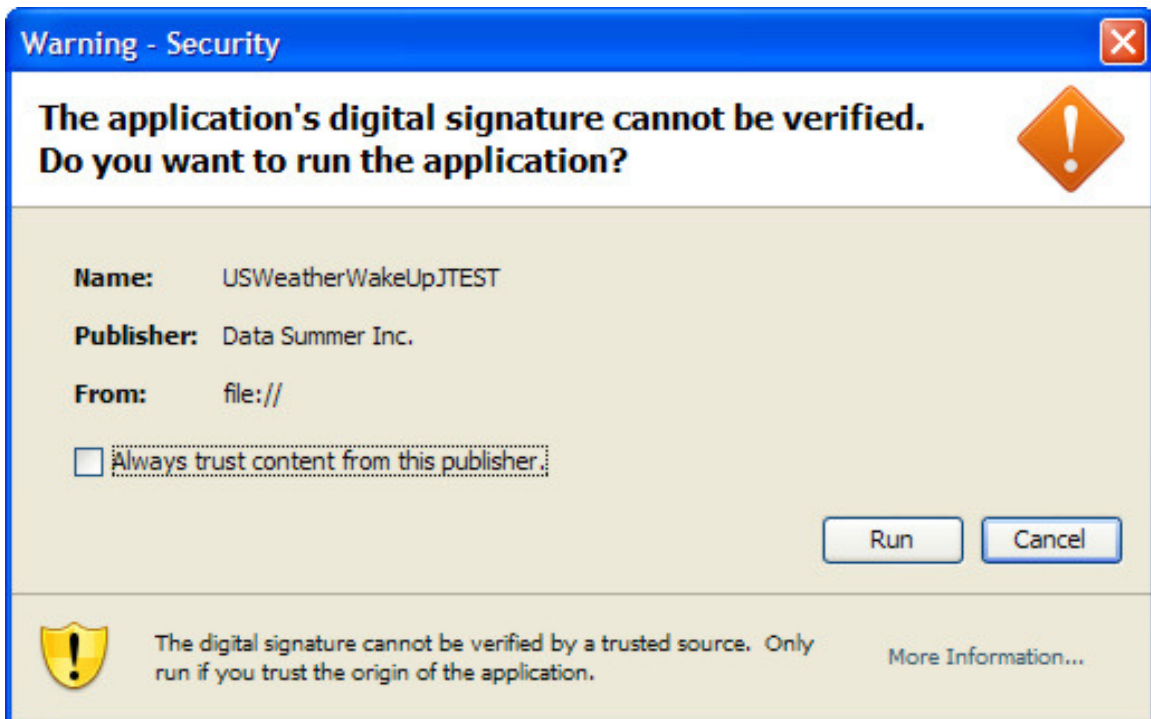
US WEATHER WAKE UP (Java Version) can be downloaded from www.datasummer.com and its authorized sales agents.

There are two installation methods, automated and manual. Automated installation is the preferred method.

3A. AUTOMATED INSTALLATION

Click on the automated download link. Your computer will automatically receive the appropriate Java Run Time Environment if that is not already present.

You may be prompted with the following message:



Press the "Run" button in this case.

Weather Wake Up will be downloaded. A desk-top icon will be created as well as a menu item under the menu "Data Summer".

Weather Wake Up will then start.

The initial download is a trial version. You can convert this at any time to the standard version by entering a valid license key. License key purchase information is available at www.datasummer.com .

The initial download also contains this help file. The help file can be also be downloaded as a separate pdf file from www.datasummer.com and saved on your computer.

3B. ALTERNATIVE: MANUAL INSTALLATION

If automated installation experiences problems, manual installation is possible. Download the Java Run Time Environment if you do not yet have it. Downloads are available at

<http://java.com/en/download/index.jsp>

Then contact Data Summer at www.datasummer.com to receive a link to the following files:

USWeatherWakeUPJ.jar and
US Weather Wake Up (Java) - User Guide.pdf

Pick a directory on your computer and save both the above files in the same directory. Manually create a short-cut to these files. Double-clicking on the short-cut to the .jar file will start the program.

4. THE PURPOSE OF US WEATHER WAKE UP

Data Summer Inc.'s WEATHER WAKE UP is an alarm clock that will wake you earlier or later depending on the weather!

You can specify two alarm times, early and late, and specify which weather conditions will cause the early alarm to sound, or not.

For example, you can decide that you'd like the alarm clock to wake you up early on a Sunday morning to do some sailing, but only if there's enough wind and not too much. If the early alarm does not find the wind conditions you asked for it will delay waking you up until the later alarm time.

Or, to pick another example, you could decide that if there is snow falling you'd like wake up earlier than usual, to deal with a longer commute.

The screen image below illustrates the early and late alarm settings.

The screenshot shows the 'US WEATHER WAKE UP FROM DATA SUMMER INC.' application window. It has three tabs: 'ALARM SETTINGS' (selected), 'WEATHER CRITERIA', and 'LICENSE'. The 'ALARM SETTINGS' tab contains the following elements:

- Pick Radio Station:** Two radio buttons, 'FROM DROPDOWN LIST' (selected) and 'ENTER OWN'. The dropdown menu shows 'AK, Fairbanks - KUAC' and 'http://...'. A 'CHECK RADIO & VOLUME' button is to the right.
- Pick Weather Station:** Two radio buttons, 'FROM DROPDOWN LIST' (selected) and 'ENTER OWN'. The dropdown menu shows 'AK, Fairbanks' and 'http...'. A 'CHECK WEATHER WEB' button is to the right.
- Set Alarm(s):** A link 'Review/Set Weather Criteria for Early Alarm'.
- USE EARLY ALARM?** A checked checkbox. To its right are three dropdown menus showing '06', '15', and 'AM'.
- USE LATE ALARM?** An unchecked checkbox. To its right are three dropdown menus showing '08', '00', and 'AM'.
- ALARM(S) ON?** A checkbox that is currently unchecked.
- Footer:** '(c) Data Summer Inc. 2009'.

The next screen shows the range of weather criteria that can be used in determining whether the early alarm will sound.

US WEATHER WAKE UP FROM DATA SUMMER INC.

ALARM SETTINGS WEATHER CRITERIA LICENSE

as at last early alarm

☒ Use Temperatu...	MUST BE	be in range	20	to	95	F	-17.0
☐ Use Wind Spee...	MUST BE	be in range	0	to	100	mph	0.0
☒ Use Visibility?	MUST BE	be greater than	5			miles	7.00
☐ Use Conditions?	MUST	contain	fair				Mostly Cloudy

(c) Data Summer Inc. 2009

DONE

More info from time of last early alarm

IMPORTANT: Weather Wake Up is intended for casual, hobby and sports use. It is NOT an emergency weather alert system and should never be used in place of official weather warnings, watches or alerts or in any situation where damaging or dangerous consequences could arise from a missed or incorrect alert.

5. TRIAL VERSIONS AND STANDARD VERSIONS

At time of writing, Data Summer Inc provides a trial version in addition to the standard license key version of US WEATHER WAKE UP.

The trial version for the US Weather Wake Up (Java) application has the same functionality as the standard version except:

- You can only specify Temperature and Visibility as criteria for the early alarm in the trial version.
- You cannot use Wind Speed or General Weather Conditions as criteria for the early alarm, until you upgrade to the standard version

You can upgrade from trial to standard version at any time provided you have purchased a valid license key.

Information on license key purchases is available from www.datasummer.com .

To upgrade, run the US Weather Wake Up (Java) application and choose the "License" tab. Click on the upgrade button at the bottom of that tab. The program will then prompt you for your license key and convert the trial version to the standard version.

You should record and store your license key in a safe place for future reference.

6. USING US WEATHER WAKE UP

6A. FIRST TIME SETUP

Open the US WEATHER WAKE UP by clicking on the US Weather Wake Up icon on your desk top.

1. For first time use you'll need to specify which (internet) radio station should wake you up when the alarm is triggered.

- a. Choose from the radio stations provided in the drop-down list

OR if your preferred radio station is not there

- b. Enter the web address of your preferred radio station into the drop-down list provided. Enter the web address including the leading "http://www....." . You may also add a text identifier like this: "Radio NewTown, Alaska http://www....."

Test the radio station you've entered. Make sure it's reliable and does not require any input from you to start the radio - you won't be able to provide this when you're asleep and the alarm is on.

2. For first time use you'll need to choose the location for which you want to check weather at wake-up time.

- a. Choose a location from the drop-down list

OR if your weather location is not there

- b. Enter the web address for NOAA's report on current weather conditions for your location. (US Weather Wake Up uses only current weather information from the US government NOAA sites.)

You can find a list of locations that NOAA reports on by browsing http://www.weather.gov/xml/current_obs/ . Select a state, a location within the state, and select from the column option marked XML. Do not select from the RSS column. Once you've chosen the location and web page of interest to you, you can copy the web address to the WEATHER WAKE UP dropdown list provided.

It should look similar to this:

" http://www.weather.gov/xml/current_obs/PAAP.xml " except that the "PAAP" will be replaced by some other 4 letter combination.

3. Test the web radio station you've chosen to make sure its compatible with the sound player on your computer and to test that the sound volume is un-muted and adequate for an alarm clock and that the internet address is correct.
4. Use the preview button to preview the weather web site you've chosen to make sure it is correct, that it provides information on all variables of interest to you like temperature, windspeed, weather conditions, visibility etc. and that your internet connectivity is problem free.
5. Choose the weather conditions that must be satisfied at the time of the early alarm for the early alarm to sound. To do this click on the button on the main screen that is marked "Review/Set Weather Criteria for Early Alarm" or just click on the tab marked "WEATHER CRITERIA".

US WEATHER WAKE UP FROM DATA SUMMER INC.

ALARM SETTINGS WEATHER CRITERIA LICENSE

Pick Radio Station

FROM DROPPDOWN LIST **1a** **1b** AK, Fairbanks - KUAC http:/... **3** CHECK RADIO & VOLUME

ENTER OWN Add a radio station:

Pick Weather Station

FROM DROPPDOWN LIST **2a** **2b** AK, Fairbanks http... **4** CHECK WEATHER WEB

ENTER OWN Add a weather station:

Set Alarm(s)

Review/Set Weather Criteria for Early Alarm **5**

USE EARLY ALARM? ☒ 06 15 AM

USE LATE ALARM? ☐ 08 00 AM

☒ ALARM(S) ON?

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After clicking on this button, a page opens that allows you to select which weather criteria you want to use, and to specify their values.

E.g. in the sample screen shown below, the user has specified that temperature must be in the range of 20 to 95 F for the early alarm to sound, and that visibility must be 5 miles or better. The user has ignored Wind Speed and Conditions for purposes of the early alarm.

US WEATHER WAKE UP FROM DATA SUMMER INC.

ALARM SETTINGS WEATHER CRITERIA LICENSE

as at last early alarm

☒ Use Temperatu...	MUST BE ▼	be in range	20	to	95	F	-17.0
☐ Use Wind Spee...	MUST BE ▼	be in range	0	to	100	mph	0.0
☒ Use Visibility?	MUST BE ▼	be greater than	5			miles	7.00
☐ Use Conditions?	MUST ▼	contain	fair ▼				Mostly Cloudy

(c) Data Summer Inc. 2009

DONE

More info from time of last early alarm

6B. REPEAT USE/ALARM SETTINGS

6. Ensure you're still satisfied with the above settings, review and change if necessary.
7. Choose which alarms you want to use – early or late or both – and
 - a. check-mark them accordingly.
 - b. Set the alarm times.
 - c. Switch on the alarm(s).

The screenshot shows the 'ALARM SETTINGS' tab of a software window titled 'US WEATHER WAKE UP FROM DATA SUMMER INC.'. The window has three tabs: 'ALARM SETTINGS', 'WEATHER CRITERIA', and 'LICENSE'. The 'ALARM SETTINGS' tab is active.

Under 'Pick Radio Station', there are two options: 'FROM DROPDOWN LIST' (selected) and 'ENTER OWN'. The dropdown menu shows 'AK, Fairbanks - KUAC' and 'http:/...'. A 'CHECK RADIO & VOLUME' button is next to it.

Under 'Pick Weather Station', there are two options: 'FROM DROPDOWN LIST' (selected) and 'ENTER OWN'. The dropdown menu shows 'AK, Fairbanks' and 'http...'. A 'CHECK WEATHER WEB' button is next to it.

Under 'Set Alarm(s)', there are two sections: 'USE EARLY ALARM?' and 'USE LATE ALARM?'. The 'USE EARLY ALARM?' section has a checked checkbox (labeled 7a) and a time selection area (labeled 7b) showing '06:15 AM'. The 'USE LATE ALARM?' section has an unchecked checkbox and a time selection area showing '08:00 AM'. A 'Review/Set Weather Criteria for Early Alarm' button is located above the time selection areas.

At the bottom right, there is a checkbox labeled 'ALARM(S) ON?' (labeled 7c) which is currently unchecked.

The footer of the window says '(c) Data Summer Inc. 2009'.

To change any settings first switch off the alarm(s).

It's that simple!

7. FAQ's FOR US WEATHER WAKE UP

Q: Is WEATHER WAKE UP available for countries other than USA?

A: Yes, a Canadian version is available from www.datasummer.com . If you need a version for an additional country please contact us via the contact page in www.datasummer.com .

Q: What weather information does US Weather Wake Up use?

A: US Weather Wake Up uses frequently updated weather information available on the web from the US's *National Oceanic and Atmospheric Administration (NOAA)*. This is a federal agency focused on the condition of the oceans and the atmosphere. NOAA weather reports are updated on an approximately hourly basis and are available for multiple locations in every state in the USA.

Q: How do I choose a NOAA report for a US location that isn't on the standard drop down list?

A: You can find a list of locations that NOAA reports on by browsing http://www.weather.gov/xml/current_obs/ .

Select a state, home in on the location within the state, and select from the column option marked XML. Do not select from the RSS column. Select a land based weather report, not a marine location.

Once you've chosen the location and the XML web page of interest to you, copy the web address to the WEATHER WAKE UP drop-down list provided.

It should look similar to this: " http://www.weather.gov/xml/current_obs/PAAP.xml " except that the "PAAP" will be replaced by some other 4 letter combination.

Q: Do I need my computer or laptop computer in my bedroom for the alarm to wake me?

A: Yes. However WEATHER WAKE UP runs silently (until the alarm is sounded), and you can black out the computer screen during the night if you wish using your screensaver or screen energy saver options.

Q: Can I switch off my computer at night or put it into hibernation or stand-by mode and still have the alarm(s) work in the morning?

A: No. Your computer must be switched on for WEATHER WAKE UP to work. Most computer's screens can however be switched into screen saver mode or energy saver mode during the night to black out the screen.

Q: Will my computer put itself into hibernation or stand-by mode during the night when the alarm is on?

A: No, most computers will not do this (however, for peace of mind, we recommend you verify this on your particular computer and operating system). Your computer screen may

however switch itself into screen saver mode or energy saver mode during the night to black out the screen, but will still sound the wakeup alarm at the appropriate time.

Q: With WEATHER WAKE UP running all night will my computer overheat, run its noisy cooling fan and use up lots of energy?

A: No. WEATHER WAKE UP will spend most of the night "asleep". This uses very little CPU time, very little energy, generates negligible heat and usually won't require the computer fan to switch on. Also, your computer screen can be switched into screen saver mode or energy saver mode during the night to black out the screen if you wish.

Q: Does WEATHER WAKE UP validate the weather criteria I entered to ensure that, e.g., I haven't accidentally set the minimum desired temperature greater than the maximum desired temperature?

A: Yes, if you've selected the early alarm, validations will be done on your input to prevent accidents like that. If you've only selected the late alarm then weather criteria are irrelevant and won't be checked.

Q: If I set the early alarm for, say, 5:17am, will WEATHER WAKE UP always find an NOAA weather report for my location for 5:17am?

A: Weather WAKE UP will check the NOAA web site you've chosen, and the check will happen at the time of your early alarm setting. In your example this would be at 5:17am. If the last weather update prior to 5:17am was issued for that NOAA website at say, 5:00am, then that is the report on weather conditions that the early alarm will use.

Q: Can I run more than one instance of Weather Wake Up simultaneously on the same computer?

A: Don't do this.

Q: Does US Weather Wake Up use metric or imperial units?

A: It uses imperial units, i.e. degrees F, miles and miles per hour.

Q: Can US Weather Wake Up work from behind a firewall?

A: Personal firewalls are usually not an issue. Corporate firewalls sometimes disable radio streaming, which could be an issue. In all cases it's recommended that you test your chosen radio station and weather station with the test/preview buttons to ensure they're working correctly before setting the alarm. Firewall issues should become immediately apparent during testing.

Q: What happens if I enter an alarm time that is in the past? E.g. what if its 10pm and I enter an alarm time for 9pm?

A: The alarm will be set for the time you specify but on the next day. E.g. if its 10pm and you set the alarm for 9pm then WEATHER WAKE UP will set the alarm for 9pm on the next day, just like an ordinary alarm clock.

Q: Can I use my computer for other work if the alarm(s) are switched on?

A: Yes.

Q: If the weather conditions don't favour the early alarm and only the late alarm goes off, will I know why the early alarm failed and which weather conditions were the problem at the time of the early alarm?

A: Yes. The main screen will display a warning message from the time of the early alarm until after the late alarm saying "Weather conditions didn't allow alarm." This is shown in the first image below (current time is displayed at the top of the screen, alarm times at the bottom). In addition the screen with weather criteria retains the actual conditions at the time of the last early alarm, as shown inside the red ellipse in the second screen image below.

US WEATHER WAKE UP FROM DATA SUMMER INC.

ALARM SETTINGS | WEATHER CRITERIA | LICENSE

Pick Radio Station **4:08 PM EST**

☒ FROM DROPPDOWN LIST AE, Fairbanks - KUAC http://... CHECK RADIO & VOLUME

☐ ENTER OWN Add a radio station: CHECK RADIO & VOLUME

Pick Weather Station

☒ FROM DROPPDOWN LIST AE, Fairbanks http://... CHECK WEATHER WEB

☐ ENTER OWN Add a weather station: CHECK WEATHER WEB

Set Alarm(s)

Review/Set Weather Criteria for Early Alarm

USE EARLY ALARM? ☒ 04 07 PM 2009-12-15 16:07

USE LATE ALARM? ☒ 06 07 PM 2009-12-15 18:07

Weather criteria didn't allow early alarm at Tue Dec 15 16:07:00 EST 2009

☒ ALARM(S) ON?

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US WEATHER WAKE UP FROM DATA SUMMER INC.

ALARM SETTINGS WEATHER CRITERIA LICENSE

☒ Use Temperatu... MUST BE ▼ be in range 32 to 100 F -6.0

☐ Use Wind Spee... MUST BE ▼ be in range 0 to 100 mph 3.5

☒ Use Visibility? MUST BE ▼ be greater than 10 miles 10.00

☐ Use Conditions? MUST ▼ contain fair ▼ Light Snow

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DONE

More info from time of last early alarm

as at last early alarm

Finally, a full text extract from the NOAA website as **at the time of the early alarm** is also viewable by clicking on the "More info from time of last early alarm" button shown above.

8. UN-INSTALLING DATA SUMMER INC.'S US WEATHER WAKE UP

To uninstall US WEATHER WAKE UP:

You can use the control panel remove programs feature in Windows to remove all components

OR

manually find and delete the following files:

USWeatherWakeUpJ.jar

US Weather Wake Up (Java) - User Guide.pdf

lastEarlyAlarmInfo.htm

any desktop shortcuts to the above

APPENDIX1. END-USER LICENSE AGREEMENT

END-USER LICENSE AGREEMENT

IMPORTANT-PLEASE READ:

1. NATURE OF AGREEMENT

This End-User License Agreement ("EULA") is a legal agreement between you and Data Summer Inc. (the "Manufacturer") for the use of Manufacturer's US Weather Wake Up (Java Version) software programs and documentation (the "SOFTWARE").

This EULA is valid and grants you rights only if the EULA was obtained from Data Summer Inc. or its authorized agents, and only if the required purchase price was paid in full.

You agree to be bound by the terms of this EULA by using the SOFTWARE. If you do not agree to the terms of this EULA, or did not purchase the EULA from Data Summer Inc. or its authorized agents, or have not paid the required license fees in full, you may not use or copy the SOFTWARE, and you should promptly delete the SOFTWARE from your computers and storage media.

2. RESERVATION OF RIGHTS AND OWNERSHIP

Manufacturer maintains all copyright and other intellectual property rights for its SOFTWARE and does not transfer any of those rights to you with the EULA.

The SOFTWARE is licensed, not sold, and the license is non-exclusive.

3. GRANT OF LICENSE

Manufacturer grants you the following non-exclusive usage rights provided that you comply with all terms and conditions of this EULA:

3.1 Installation and Use

This SOFTWARE is licensed for your use only, and for use on one computer only. Use of this SOFTWARE for each additional computer and each additional user requires an additional license purchase.

3.2 Transfer

This license may not be rented, leased, transferred or sold to other users.

3.3 Support

This license does not include any support or service.

3.4 Back-up Copy

You may make a single copy of the SOFTWARE for back-up purposes only.

4. LIMITATIONS ON REVERSE ENGINEERING

You may not reverse engineer, alter, decompile, or disassemble the SOFTWARE.

5. TERMINATION

Without prejudice to any other rights, Manufacturer may terminate this EULA if you fail to comply with the terms and conditions of this EULA. In such event, you must destroy all copies of the SOFTWARE and all of its component parts.

6. WARRANTY

The SOFTWARE is NEITHER WARRANTED NOR DECLARED FIT FOR ANY PURPOSE.

Manufacturer provides this SOFTWARE AS IS and INCLUDING ANY FAULTS FOUND.

The SOFTWARE relies on information from external websites. When these sites change how information is presented the SOFTWARE may not function correctly. When these external sites experience interruptions or change their web addresses the SOFTWARE may cease functioning correctly. You understand and accept that this inherently places limits on the longevity and reliability of the SOFTWARE.

You agree not to use the SOFTWARE in any situation where SOFTWARE faults could cause important damages or risk to life.

Manufacturer hereby disclaims all other warranties and conditions, whether express, implied or statutory

To the maximum extent permitted by law YOU ARE NOT ENTITLED TO ANY COMPENSATION FOR DAMAGES CAUSED BY USING THE SOFTWARE, INCLUDING BUT NOT LIMITED TO CONSEQUENTIAL DAMAGES.

If any applicable law overrides this, Manufacturer's liability will be strictly limited to

(a) return of the amount you paid to the Manufacturer (if any) for the SOFTWARE license; less fees paid by Manufacturer to sales agents, distributors, shippers and other intermediaries; and less depreciation on the SOFTWARE license, calculated since the time of your SOFTWARE license purchase, as calculated by the Manufacturer,

OR, at the Manufacturer's choice,

(b) repair or replacement of the SOFTWARE.

In either case you will need to send your proof of purchase and license key information to Manufacturer. Manufacturer can be contacted via www.datasummer.com

Manufacturer will not be liable for any failure of the SOFTWARE that has resulted from misuse, abnormal use or a virus.

7. APPLICABLE LAW

This EULA is governed by the laws in force in the Province of Ontario, Canada. In respect of any dispute which may arise hereunder, you consent to the jurisdiction of the federal and provincial courts sitting in Toronto, Ontario.

8. ENTIRE AGREEMENT; SEVERABILITY

This EULA is the entire agreement between you and Manufacturer relating to the SOFTWARE. If any provision of this EULA is held to be invalid, unenforceable or illegal, the other provisions shall continue in full force and effect.

(c) Data Summer Inc. 2009

www.datasummer.com