



QuarkXPress 8.12 ReadMe

Contents

QuarkXPress 8.12 ReadMe.....	4
System requirements.....	5
Mac OS.....	5
Windows.....	5
Installing: Mac OS.....	7
Performing a silent installation.....	7
Preparing for silent installation: Mac OS.....	7
Silent installation: Mac OS.....	7
Adding files after installation: Mac OS.....	8
Installing: Windows.....	9
Performing a silent installation.....	9
Preparing for silent installation: Windows.....	9
Silent installation: Windows.....	9
Adding files after installation: Windows.....	10
Upgrading.....	11
Updating.....	12
Installing or upgrading with QLA.....	13
Registering.....	14
Activating.....	15
Uninstalling.....	16
Uninstalling: Mac OS.....	16
Uninstalling: Windows.....	16

- Changes in this version.....17**
- Content tool preferences.....17
- Enhanced spell checking.....17
- Paste without formatting.....18
- Drag and drop improvements.....18
- Intrinsic font controls.....19
- Scale XTensions software.....19
- Enhanced Item Styles.....19
- Item Find/Change enhancements.....20
- Changes to PostScript and EPS output.....20
- Changes to PDF Output.....20
- Black output: Grayscale 100K.....20
- Dieckmann Spanish hyphenation.....21

- Known and resolved issues.....22**

- Contacting Quark.....23**
- In the Americas.....23
- Outside the Americas.....23

- Legal notices.....25**

QuarkXPress 8.12 ReadMe

QuarkXPress® 8.12 includes a variety of enhancements. For more information, see "[Changes in this version.](#)"

System requirements

Mac OS

Software

- Mac OS® X 10.4.6 (Tiger®)–10.6.x (Snow Leopard®)
- Tested on Citrix

Hardware

- G5 or faster PowerPC® processor or Mac® Intel® processor (G4 minimum)
- 1GB RAM (256MB minimum)
- 1GB hard disk space (515MB minimum)

Optional

- An Internet connection for activation
- DVD-ROM drive for installation from DVD (not required for installation from download)

Windows

Software

- Microsoft® Windows® XP SP2 or SP3, Windows Vista® SP1 (certified on Windows Vista), or Windows 7
- Tested on Citrix

Hardware

- 1GB RAM (256MB minimum on Windows XP, 512MB minimum on Windows Vista or Windows 7)
- 2GB hard disk space (1GB minimum)

SYSTEM REQUIREMENTS

Optional

- An Internet connection for activation
- DVD-ROM drive for installation from DVD (not required for installation from download)

Installing: Mac OS

To install QuarkXPress:

- 1 Disable any virus protection software. If you are concerned about a virus infecting your computer, run a virus check on the installer file, then disable your virus detection software.
- 2 Double-click the installer icon and follow the instructions on the screen.

Performing a silent installation

The silent installation feature lets users install QuarkXPress on their computers from a network location without having to follow step-by-step instructions. This feature is useful for large group installations when performing manual installations is cumbersome.

Preparing for silent installation: Mac OS

To enable Mac OS users to perform a silent installation on their computers, an administrator must first install the software on a hard disk. The installation process creates a file called "setup.xml" on the hard disk. "Setup.xml" includes user registration information from the installation, which can be accessed automatically during subsequent silent installations.

To prepare for silent installation:

- 1 Install QuarkXPress on the local hard disk. The installer creates a "setup.xml" file at the root level of the local hard disk.
➔ If you copy the installer to a hard disk before running the installation, the installer creates "setup.xml" in the same folder that contains the installer.
- 2 Share the "setup.xml" file with users who are licensed to install QuarkXPress.

Silent installation: Mac OS

To perform a silent installation on Mac OS, an end user must follow these steps:

- 1 Copy "setup.xml" to the root level of the hard disk.

INSTALLING: MAC OS

- 2 Double-click the QuarkXPress installer icon and follow the instructions on the screen. The installer reads registration information from "setup.xml" to automatically complete fields during installation.

Adding files after installation: Mac OS

To add files after installation, double-click the installer icon. Use the **Custom Install** list to select the items to install.

Installing: Windows

To install QuarkXPress:

- 1 Disable any virus protection software. If you are concerned about a virus infecting your computer, run a virus check on the installer file, then disable your virus detection software.
- 2 Double-click the installer icon and follow the instructions on the screen.

Performing a silent installation

The silent installation feature lets users install QuarkXPress on their computers from a network location without having to follow step-by-step instructions. This feature is useful for large group installations when performing manual installations is cumbersome.

Preparing for silent installation: Windows

To enable Windows users to perform a silent installation on their computers, an administrator must make the following modifications:

- 1 Copy everything from the disc or disk image that contains the installer to an empty folder on the local hard disk.
- 2 Using the local copy of the installer, install QuarkXPress on the local hard disk. The installer creates a "setup.xml" file in the folder where the installer is located.
- 3 Open the "silent.bat" file in a text editor and make sure the path of the "setup.exe" file is in the first line as follows: `'[network path of setup.exe file]' /s /v'/qn'`
- 4 Share the folder that contains the installer and the "setup.xml" file with users who are licensed to install QuarkXPress.

Silent installation: Windows

To perform a silent installation on Windows, an end user must follow these steps:

- 1 Navigate to the shared folder that contains the "setup.xml" and "silent.bat" files.
- 2 Double-click the "silent.bat" file and follow the instructions on the screen.

Adding files after installation: Windows

To add files after installation:

- 1 Double-click the "setup.exe" icon.

The **Setup** dialog box displays.

- 2 Click **Next**.

The **Program Maintenance** screen displays.

- Click **Modify** to choose the files to install. You can install new files or remove previously installed files.
- Click **Repair** to correct minor issues related to installed files. Use this option if you experience issues with missing or damaged files, shortcuts, or registry entries.

- 3 Click **Next**.

- If you clicked **Modify** in the previous dialog box, the **Custom Setup** screen displays. Make the appropriate modifications, then click **Next**. The **Ready to Modify the Program** screen displays.
- If you clicked **Repair** in the previous dialog box, the **Ready to Repair the Program** screen displays.

- 4 Click **Install**.

- 5 Click **Finish** when the system notifies you that the process is complete.

Upgrading

To upgrade QuarkXPress to this version:

- 1 Disable any virus protection software. If you are concerned about a virus infecting your computer, run a virus check on the installer file, then disable your virus detection software.
 - 2 Double-click the installer icon and follow the instructions on the screen.
 - 3 When the **Validation Code** screen displays, choose **Upgrade** from the **Installation Type** drop-down menu. If you have your upgrade validation code, enter it in the **Enter your validation code** fields. If you do not have an upgrade validation code, click **Get validation code** to go to the Quark Web site, follow the instructions on the screen to get the validation code, and then enter the validation code in the **Enter your validation code** fields.
 - 4 Click **Continue** and follow the instructions on the screen.
- ➔ The upgrader installs a new copy of QuarkXPress. It does not replace the earlier version.

Updating

The Installer will update earlier versions of QuarkXPress 8.x to this version. To update QuarkXPress:

- 1** Disable any virus protection software. If you are concerned about a virus infecting your computer, run a virus check on the Installer and then disable your virus detection software.
 - 2** Make a copy of the application folder on your hard drive to ensure that you have a working copy of the software if you encounter issues during the update.
 - 3** Make sure the names of the application folder and the application have not changed since installation.
 - 4** Double-click the Installer icon and follow the instructions on the screen.
- *Windows*: The installer locates your installed copy of QuarkXPress and updates it to this version.
 - *Mac OS*: The installer locates your installed copy of QuarkXPress. You can update this copy or install the new version in a new location.

Installing or upgrading with QLA

Quark® License Administrator (QLA) is software that manages licensed Quark products. If you purchased an educational site license or a commercial site license, you most likely received a QLA CD-ROM when you purchased QuarkXPress. QLA must be installed on your network before you install QuarkXPress.

If QLA is already installed and you are installing QuarkXPress, the **License Server Details** dialog box displays after you enter your registration information. Before proceeding, verify that you have the information you need to enter values in the following fields:

- **Host Name or IP Address:** Enter the IP address or server name for the server you have designated as the license server. The license server handles requests from license clients.
- **License Server Port:** Enter the value for the license server port. This number is determined when the QLA software is registered online. The license server port is the port through which license server requests flow.
- **Backup Host Name or IP Address:** Enter the IP address or server name for the server you have designated as the backup license server.
- **Backup License Server Port:** Enter the value for the backup license server port.

Registering

To register your copy of the application, visit the "Online registration" page of the Quark Web site (see [Contacting Quark](#)). If you cannot register online, see [Contacting Quark](#) for contact information.

Activating

If you have a single-user copy of QuarkXPress, you must activate it. To activate QuarkXPress when you launch it, click **Activate Now**.

If you do not want to activate QuarkXPress when you launch it, click **Continue**. QuarkXPress presents the option to activate it each time you launch the application until you activate it.

If you do not activate QuarkXPress, you can use it for 60 days after installation; after 60 days, the product runs in demonstration mode and must be activated before it will run as a full version.

➔ If you cannot activate online, see [Contacting Quark](#) for contact information.

Uninstalling

- ➔ If the uninstaller detects a running instance of the application, an alert displays. Close the application before you begin to uninstall.

Uninstalling: Mac OS

To uninstall QuarkXPress, open the "Applications" folder on your hard drive (or the folder in which QuarkXPress was installed) and drag the QuarkXPress folder to the trash.

Uninstalling: Windows

To uninstall QuarkXPress:




- 1 Choose **Start > All Programs > QuarkXPress > Uninstall**.
- 2 Click **Yes**. The uninstaller gathers the information necessary for uninstalling and then an alert displays to notify you that the contents of the QuarkXPress application folder will be deleted.
- 3 Click **Yes** to continue or **No** to cancel.

- ➔ You can also uninstall by running the installer again.

Changes in this version

This section describes new features in this version of QuarkXPress. For more information, see *A Guide to QuarkXPress 8.1*.

Content tool preferences

The content tool behavior introduced in QuarkXPress 8.0 caused some users to accidentally create small boxes when attempting to select or deselect items. With QuarkXPress 8.1, you can configure dragging options for the **Text Content**  and **Picture Content**  tools by clicking the new  icon in the **Tools** pane of the **Preferences** dialog box (**QuarkXPress/Edit > Preferences**).

- To create a box when you click and drag with a content tool selected, click **Create Boxes**. To select boxes with a content tool when this preference is selected, press Command/Ctrl.
- To select items when you click and drag with a content tool selected, click **Select Boxes**. You can always create a box with a box tool.

Enhanced spell checking

The commands in the **Check Spelling** submenu (**Utilities** menu) display the **Check Spelling** palette. You can now click outside the **Check Spelling** palette and return to the palette to restart a spell check.

- ➔ Spell checking always starts from the text insertion point.

The **Replace** button now replaces only the current instance of a misspelled word. To replace all instances, click **Replace All**.

Spell checking now ignores master page items on layout pages. Instead of spell checking text in such items on the layout pages, QuarkXPress checks spelling on the master pages after checking the layout.

While spell checking, you can now create or open an auxiliary dictionary without closing the **Check Spelling** palette. To do so, click **Add** while a word you want to keep is

CHANGES IN THIS VERSION

highlighted. To add all suspect words to an open auxiliary dictionary, press Option+Shift/Alt+Shift and click **Add All**.

You can now change spell checking preferences without closing the palette by clicking the **Preferences** button in the palette.

Paste without formatting

The new **Edit > Paste Without Formatting** command pastes the clipboard contents as plain text.

Drag and drop improvements

You can now import a picture in the following ways:

- Drag a picture file from the file system onto a picture box. If the box contains a picture, press Command/Ctrl to replace it. (To always create a new box for a dragged-in picture, press Option/Alt while dragging.)
- Drag a picture from another application onto a picture box. If the box contains a picture, press Command/Ctrl to replace it. (To always create a new box for a dragged-in picture, press Option/Alt while dragging.)
- Drag a picture file from the file system onto a text box, a no-content box, an empty picture box, or a box that contains a picture; then press Command/Ctrl to make the box accept the picture.
- Drag a picture from another application onto a text box, a no-content box, an empty picture box, or a box that contains a picture; then press Command/Ctrl to make the box accept the picture.

You can now import text in the following ways:

- Drag a text file from the file system onto a text box. (To always create a new box for dragged-in text, press Option/Alt while dragging.)
- Drag text from another application onto a text box. (To always create a new box for dragged-in text, press Option/Alt while dragging.)
- Drag a text file from the file system onto a picture box or a no-content box and press Command/Ctrl to make the box accept the text.
- Drag text from another application onto a picture box or a no-content box and press Command/Ctrl to make the box accept the text.

Intrinsic font controls

Intrinsic fonts are distinct font styles built into font families, such as “Times New Roman MT Std Bd” in the “Times New Roman MT Std” font family. *Simulated* fonts are computer-generated variations on intrinsic fonts. If you apply the Bold or Italic type style to a font, and that font's family that does not include a bold or italic variation as a separate intrinsic font, QuarkXPress creates a simulated bold or italic rendition of the font.

QuarkXPress displays warning icons to identify simulated fonts because simulated fonts can cause output problems. The warning icons display in the following locations:

- The **Style > Type Style** submenu
- The **Fonts** pane of the **Usage** dialog box (**Utilities > Usage**)
- The **Replace Font** dialog box in the **Usage** dialog box (**Utilities > Usage**)
- The **Measurements** palette
- The **Glyphs** palette
- The **Character Attributes** dialog box
- The **Edit Character Style Sheet** dialog box
- The **Change To** area of the **Find/Change** palette



An icon with a simulated font warning symbol

Scale XTensions software

Scale XTensions software (formerly XPert Scale XT), once part of the XPert Tools package, is now included with QuarkXPress.

Scale XTensions software lets you scale items, groups, and layouts, along with everything in them. Scale XTensions software also now lets you scale drop shadows, scales tables more effectively, and works in Interactive Layouts and Web layouts.

Enhanced Item Styles

You can now use the **Update** button to update an item style definition based on local changes to the applied item style. You can also include a drop shadow in an item style.

CHANGES IN THIS VERSION

Item Find/Change enhancements

You can now use the **Item Find/Change** palette to find and replace drop shadows and picture masks.

Changes to PostScript and EPS output

Bounding box information (see "MediaBox," "CropBox," "BleedBox," and "TrimBox" in *PDF 32000-1:2008*, an ISO standards definition document from Adobe Systems Incorporated) is now included in EPS output and in PostScript output generated from the **File > Print** command. (This type of bounding box information was already included in PostScript generated by the **File > Export > Layout as PDF** command.)

Changes to PDF Output

When exporting a PDF, you can now choose whether to flatten items that are in transparency relationships or to use native PDF transparency. If you export a PDF with native PDF transparency, vector graphics in transparency relationships remain in vector format. This can result in faster output and make color management easier.

- ➔ If you import a PDF that contains transparent objects and output the QuarkXPress layout, the transparency is flattened. However, you can control the resolution of the flattened transparency by entering a value in the **Flattening Resolution** field. This field is available in the **Transparency** pane of the **Options** dialog boxes for EPS and PDF output (**File > Export > Page as EPS**, **File > Export > Layout as PDF**), in the **Transparency** pane of the **Edit EPS Style**, **Edit PDF Style**, and **Edit Print Style** dialog boxes (**Edit > Output Styles**), and in the **Transparency** pane of the **Print** dialog box.

You can now create a PDF in which QuarkXPress layers (**Window > Layers**) have been exported as native PDF layers.

Black output: Grayscale 100K

In previous versions of QuarkXPress 8, CMYK colors that included 100% black objects appeared 90% black if sent to composite output using the "Grayscale" output setup. This caused some problems with some printing workflows. To address these problems, QuarkXPress 8.1 adds the "Grayscale 100K" output setup. This output setup ensures that CMYK text and objects that include 100% Black appear 100% black at output.

To use the "Grayscale 100K" output setup at output, display the **Color** pane in the output dialog box, choose **Composite** from the **Mode** drop-down menu, and then choose **Grayscale 100K** from the **Setup** drop-down menu.

Dieckmann Spanish hyphenation

You can now choose a Dieckmann-based Spanish hyphenation language. To use this option, choose **Extended 2** for **Spanish** in the **Paragraph** pane of the **Preferences** dialog box (**QuarkXPress/Edit > Preferences**).

Known and resolved issues

For lists of known issues and resolved issues in this version of the software, visit the Quark Web site at www.quark.com, euro.quark.com, or japan.quark.com.

Contacting Quark

If you have questions about installing, configuring, or using this software, please contact Quark Inc.

In the Americas

For technical support, please visit the Quark Web site at www.quark.com. Live online chat is available between 12:00 a.m. Monday and 11:59 p.m. Friday (Mountain Time), or send an e-mail message to techsupp@quark.com.

For product information, please visit the Quark Web site at www.quark.com, or send an e-mail message to cservice@quark.com.

Outside the Americas

In Europe, French-language and German-language technical support is available by phone between 08:30 and 17:30 Central European Time, Monday to Friday. English-language technical support is available by phone between 00:00 Monday and 23:59 Friday, Central European Time. Please visit the Quark Web site at www.quark.com to find the telephone support number for your location.

For e-mail support in Europe, use one of the following addresses:

- **English:** eurotechsupp@quark.com
- **German:** techsupportde@quark.com
- **French:** techsupportfr@quark.com

In Australia, please call 1 800.670.973 between 10:00 a.m. and 7:00 p.m. Sydney Time (AEST), Monday through Friday, or send an e-mail message to austechsupp@quark.com.

In Japan, please call (03) 3476-9440 Monday through Friday between 9:00 am and 5:00 pm, send a fax to (03) 3476-9441, or visit the Japanese Quark Web site at japan.quark.com.

In countries not listed above, please contact your Quark Full Service Distributor for technical support. For a list of Quark Full Service Distributors, visit the Quark Web site at www.quark.com, euro.quark.com, or japan.quark.com.

CONTACTING QUARK

For product information, please visit the Quark Web site at euro.quark.com or japan.quark.com, or send an e-mail message to one of the following addresses:

- **English:** eurocservice@quark.com
- **German:** custservice.de@quark.com
- **French:** custservice.fr@quark.com

Legal notices

©2022 Quark Inc. as to the content and arrangement of this material. All rights reserved.

©1986–2022 Quark Inc. and its licensors as to the technology. All rights reserved.

Protected by one or more of U.S. Patent Nos. 5,541,991, 5,907,704, 6,005,560, 6,052,514, 6,081,262, 6,947,959 B1, 6,940,518 B2, 7,116,843 and other patents pending. Quark Products and materials are subject to the copyright and other intellectual property protection of the United States and foreign countries. Unauthorized use or reproduction without Quark's written consent is prohibited.

QUARK IS NOT THE MANUFACTURER OF THIRD PARTY SOFTWARE OR OTHER THIRD PARTY HARDWARE (HEREINAFTER "THIRD PARTY PRODUCTS") AND SUCH THIRD PARTY PRODUCTS HAVE NOT BEEN CREATED, REVIEWED, OR TESTED BY QUARK, THE QUARK AFFILIATED COMPANIES OR THEIR LICENSORS. (QUARK AFFILIATED COMPANIES SHALL MEAN ANY PERSON, BRANCH, OR ENTITY CONTROLLING, CONTROLLED BY OR UNDER COMMON CONTROL WITH QUARK OR ITS PARENT OR A MAJORITY OF THE QUARK SHAREHOLDERS, WHETHER NOW EXISTING OR FORMED IN THE FUTURE, TOGETHER WITH ANY PERSON, BRANCH, OR ENTITY WHICH MAY ACQUIRE SUCH STATUS IN THE FUTURE.)

QUARK, THE QUARK AFFILIATED COMPANIES AND/OR THEIR LICENSORS MAKE NO WARRANTIES, EITHER EXPRESS OR IMPLIED, REGARDING THE QUARK PRODUCTS/SERVICES AND/OR THIRD PARTY PRODUCTS/SERVICES, THEIR MERCHANTABILITY, OR THEIR FITNESS FOR A PARTICULAR PURPOSE. QUARK, THE QUARK AFFILIATED COMPANIES AND THEIR LICENSORS DISCLAIM ALL WARRANTIES RELATING TO THE QUARK PRODUCTS/SERVICES AND ANY THIRD PARTY PRODUCTS/SERVICES. ALL OTHER WARRANTIES AND CONDITIONS, WHETHER EXPRESS, IMPLIED OR COLLATERAL, AND WHETHER OR NOT, MADE BY DISTRIBUTORS, RETAILERS, EXTENSIONS DEVELOPERS OR OTHER THIRD PARTIES ARE DISCLAIMED BY QUARK, THE QUARK AFFILIATED COMPANIES AND THEIR LICENSORS, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF NON-INFRINGEMENT, COMPATIBILITY, OR THAT THE SOFTWARE IS ERROR-FREE OR THAT ERRORS CAN OR WILL BE CORRECTED. THIRD PARTIES MAY PROVIDE LIMITED WARRANTIES AS TO THEIR OWN PRODUCTS AND/OR SERVICES, AND USERS MUST LOOK TO SAID THIRD PARTIES FOR SUCH WARRANTIES, IF ANY. SOME JURISDICTIONS, STATES OR PROVINCES DO NOT ALLOW LIMITATIONS ON IMPLIED WARRANTIES, SO THE ABOVE LIMITATION MAY NOT APPLY TO PARTICULAR USERS.

LEGAL NOTICES

IN NO EVENT SHALL QUARK, THE QUARK AFFILIATED COMPANIES, AND/OR THEIR LICENSORS BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL, CONSEQUENTIAL OR PUNITIVE DAMAGES, INCLUDING, BUT NOT LIMITED TO, ANY LOST PROFITS, LOST TIME, LOST SAVINGS, LOST DATA, LOST FEES, OR EXPENSES OF ANY KIND ARISING FROM INSTALLATION OR USE OF THE QUARK PRODUCTS/SERVICES, IN ANY MANNER, HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY. IF, NOTWITHSTANDING THE FOREGOING, QUARK, THE QUARK AFFILIATED COMPANIES AND/OR THEIR LICENSORS ARE FOUND TO HAVE LIABILITY RELATING TO THE QUARK PRODUCTS/SERVICES OR THIRD PARTY PRODUCTS/SERVICES, SUCH LIABILITY SHALL BE LIMITED TO THE AMOUNT PAID BY THE USER TO QUARK FOR THE SOFTWARE/SERVICES AT ISSUE (EXCLUDING THIRD PARTY PRODUCTS/SERVICES), IF ANY, OR THE LOWEST AMOUNT UNDER APPLICABLE LAW, WHICHEVER IS LESS. THESE LIMITATIONS WILL APPLY EVEN IF QUARK, THE QUARK AFFILIATED COMPANIES, THEIR LICENSORS AND/OR THEIR AGENTS HAVE BEEN ADVISED OF SUCH POSSIBLE DAMAGES. SOME JURISDICTIONS, STATES OR PROVINCES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS LIMITATION OR EXCLUSION MAY NOT APPLY. ALL OTHER LIMITATIONS PROVIDED UNDER APPLICABLE LAW, INCLUDING STATUTES OF LIMITATION, SHALL CONTINUE TO APPLY.

IN THE EVENT ANY OF THESE PROVISIONS ARE OR BECOME UNENFORCEABLE UNDER APPLICABLE LAW, SUCH PROVISION SHALL BE MODIFIED OR LIMITED IN ITS EFFECT TO THE EXTENT NECESSARY TO CAUSE IT TO BE ENFORCEABLE.

USE OF THE QUARK PRODUCTS IS SUBJECT TO THE TERMS OF THE END USER LICENSE AGREEMENT OR OTHER APPLICABLE AGREEMENTS FOR SUCH PRODUCT/SERVICE. IN THE EVENT OF A CONFLICT BETWEEN SUCH AGREEMENTS AND THESE PROVISIONS THE RELEVANT AGREEMENTS SHALL CONTROL.

Quark, QuarkXPress, Quark Interactive Designer, and the Quark logo are trademarks or registered trademarks of Quark Inc. and its affiliates in the U.S. and/or other countries. Mac OS and Mac are trademarks or registered trademarks of Apple, Inc. in the U.S. and other countries. Microsoft, Windows, and Windows Vista are registered trademarks of Microsoft Corporation in the United States and/or other countries. PowerPC is a registered trademark of International Business Machines Corporation. Intel is a registered trademark of Intel Corporation. Adobe and Illustrator are either registered trademarks or trademarks of Adobe Systems Incorporated in the United States and/or other countries. PANTONE® and other Pantone, Inc. trademarks are the property of Pantone, Inc.

All other marks are the property of their respective owners.