Quick Reference Guide

Philips iSite Enterprise – Version 3.6

isitecare@philips.com
www.philips.com/isitepacs
Active Heartbeat monitoring and technical support 24/7

For help with iSite Enterprise, click ❓
or call **1 650 293 2412** or **1 877 328 2808** (US, Canada)
For additional technical support, please see back cover.

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Key functions

Enhance mouse cursor mode	Function	Wheel mouse	2-button mouse
	Adjust WW/WL	Left click and drag	Left click and drag
	Scroll/Cine	Wheel scroll	Up/Down arrows
	Zoom	CR: Wheel scroll Series: Alt key + left click & drag	Alt key + left click & drag
	Pan	CR: Wheel scroll & drag Series: Control key + left click & drag	Control key + left click & drag
	Fast Cine	Double wheel click	Hold Up/Down arrows
	Expand	Double left click	Double left click
	Pop-up Menus	Right click any image or series, timeline item, or the left margin	
	Vertical Rack	Right click the left margin, select **Vertical Rack** from the pop-up menu	
	Edit Preferences	Left click the **Preferences** button from the iSite Enterprise control strip	
	Reports	Right click exam in **Patient Worklist** or the **Timeline**, select **Show Report**	
	Load Prior Exam	Left click an item in the **Timeline** or right click and select **Load Exam**	

For advanced visualization mouse interactions and keyboard shortcuts, please reference leaflet foldout on back cover.

Hot keys

Default keystroke	Action performed
F6	Toggles image overlays on and off
F7	Loads the previous series from the exam when viewing expanded images
F8	Loads the next series from the exam when viewing expanded images
Arrows (Up/Down)	Plain film images: Allows you to zoom in or out of the image at the location of the cursor. Image series: Allows you to perform frame-by-frame review of the series in either ascending or decending order. Holding down the Up/Down arrow keys allows you to fast cine.
Page Up/ Page Down	Single frame review for image series in ascending or descending order
L	Holding down the "L" key while reviewing a series allows you to adjust the window width/level of a single slice instead of the entire series
M	Toggles the measurement palette on and off
C	Toggles the "play cine loop" feature on and off for image series
1,2,3...0	Allows you to cycle through the various preset window width/level settings for an image or series
+/-	Increase/decrease cine speed
Home/End	Go to beginning/end of stacked series
Configurable keyboard shortcuts	Provides customization for keyboard shortcuts that are capable of mapping to the most common iSite Enterprise functions via **User Preferences**. iSite Enterprise 3.6 provides a list of default keyboard shortcuts upon upgrade.

For advanced visualization mouse interactions and keyboard shortcuts, please reference leaflet foldout on back cover.

Behavioral changes and new features in iSite Enterprise 3.6

iSite Enterprise 3.6 contains many improvements and additions. Some of these features require additional privileges to be granted by your iSite Enterprise administrator. Others require special attention because they affect default behavior. The most important changes are listed below.

1. Anonymization tool
2. Magnifying Glass tool
3. Step Zoom display
4. Pixel-to-Pixel display
5. True-Size support*
6. Mammography support tools
    a. Computer-aided detection (CAD) marker display

* Important note: Diagnostic monitor pixel pitch must be configured properly in the machine preferences.

Using your mouse to manipulate images and series

Expanded images and series: double left click.

Window width/level: left click and drag over an image to adjust WW/WL.

Enhanced mouse configuration:
• CT/MR: WW/WL, cine, zoom, and pan.
• CR: WW/WL, zoom, and pan.

Cine: use your mouse wheel to cine up and through series.

Fast cine mode: double click on the mouse wheel to initiate automatic fast cine mode with tactile speed and directional controls.

Zoom and pan: use your mouse wheel to zoom into plain film images. Click and drag the mouse wheel to pan.

Enhanced mouse configuration: toggle through options.

Advanced image manipulation: right clicking any image or series reveals a modality specific menu from which you can choose advanced image manipulation tools such as image filters, measurements, annotations, flip, rotate, invert, and many others.

Logon screen

Logging on to iSite Enterprise

Access to iSite Enterprise is provided through Microsoft Internet Explorer as seen at left. (Your system administrator will tell you which URL you should use.)

To log on to iSite Enterprise, enter your user name and password into their respective fields. (Your system administrator should provide you with this information.)

If you are not accessing iSite Enterprise from the main campus of your institution, choose your location from the **Workstation Location** list. The example to the left demonstrates the remote location pull down list. (Your system administrator will configure this list as needed for your institution.)

Click the **Logon** button.

Controls and Patient Directory

Labels around the screenshot:
- User name
- Information link
- Logout
- Preferences
- Shortcut
- Shortcuts bar
- Folder tab
- Patient and exam listing
- Patient Directory sort/search
- User manual

Screenshot interface text:

Philips iSite Enterprise

User: Admin, Stentor

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Patient Directory

Shortcuts	Folder List	Close All	Patient Name	MRN	▼ Exam ...	Patient Loc
	iSite Tools	+ Query	bad		▼	▼
Patient Directory	CD Manager		BADOH, ROGER	903574310	10/11/2007 ...	
	DUPUID Cases		MR - Head; Acc: 419873...		10/11/2007...	
	Exception Handler	✓	CT - Head; Acc: 4147128...		9/16/2007 ...	
Anonymized	Installed Programs	✓	CT - Head; Acc: 4136625...		9/11/2007 ...	
	iQuery	✓	CT - Head; Acc: 4075517...		8/16/2007 ...	
	Local Exam Cache	✓	MR - Head; Acc: 381281...		4/12/2007 ...	
Completed Exams	My Filters					
	My History					
	Patient Directory					
STAT UNREAD	Statistics					
	Study Lookup					
	System Filters					
CD Manager	Personal Folders					
	Anonymized					
	Mammo					
	US					
	Public Folders					

Shortcuts and Folder List

Located on the left side of the screen, the **Shortcuts** bar and **Folder List** are gateways to the various areas and tools in iSite Enterprise.

The iSite Tools folder contains links to the primary areas and tools in iSite Enterprise, such as the Patient Directory, CD Manager, and Worklist Filters.

By right clicking **Personal Folders** you can create custom folders. These folders can be filled with links to clinical exams that are important to you, simply by dragging and dropping. To add a shortcut, drag a folder or link from the **Folder List** to the **Shortcuts** bar.
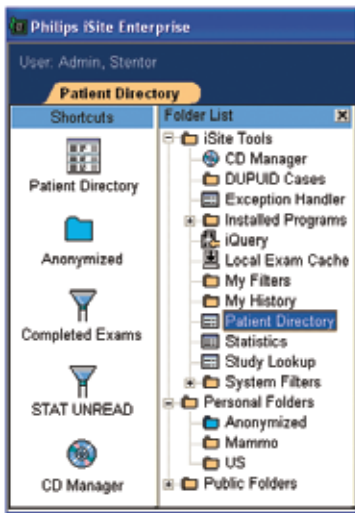
Interactive timelines: quick access to exams

Interactive timelines are a fast, intuitive way of navigating through a patient's clinical history. All exams stored on the iSite Enterprise server will be displayed.
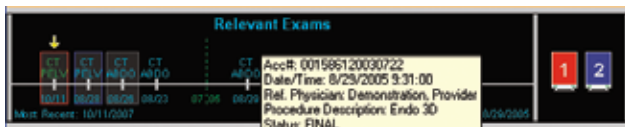
View detailed exam-level information such as accession number and referring physician by hovering your cursor over an exam listing.
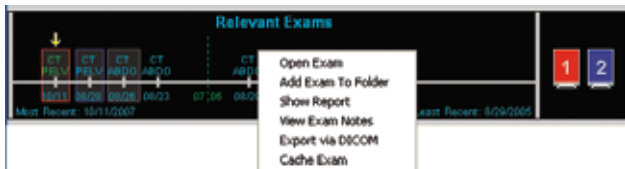
Exams can be opened from the timeline by left clicking the exam listing. Other options are available by right clicking an exam listing, as seen above.

Exam Racks

Reports button: report present (shown) and exam memo

Image/series date and time

Left margin pop-up menu: access by right clicking

Diagnostic thumbnail images

16 Aug, 1999 15:37:05 | 16 Aug, 1999 15:39 | 16 Aug, 1999 15:41 | 16 Aug, 1999 15:43

Presentation States ▶
Close Exam

Minimize Images
Horizontal Rack
Vertical Rack
Hide Scout
Exam Information

No Descr w/l: 200/40
5.0mm
Series #Slice #12/22

No Descr w/l: 80/40
10.0mm
Series #Slice #17/23

No Descr w/l: 400/40
Recon 10.0mm
Series #4 Slice #5/13

Image/series information

Scout Line Mode

Scout Line Mode allows you to see
the planar location of an image using
another image within the same study
as a reference frame.

To engage **Scout Line Mode**, right click
that image/series and select **Scout Line
Mode** from the pop-up menu or press
F11. Scout lines will be displayed on the
selected **Scout Line Mode** image/series
as you move your mouse over other
images of a different orientation.

Three styles of scout lines are available
(Single, Bracket and All – shown at
right) and can be set in the user display
Preferences **P**.

Single scout line
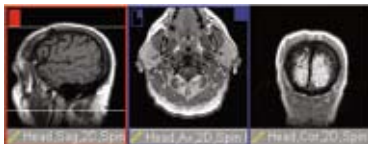
Bracketed scout lines
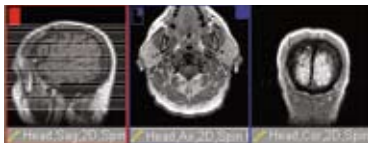
All scout lines

Localizer Mode

Localizer Mode allows you to pinpoint
reference points within an exam's series
and to manipulate the series around
simultaneously.

To engage **Localizer Mode**, right click
the series from which you would like to
control all other series in the exam and select
Localizer Mode or press F12. As you move
the mouse cursor over this control image,
corresponding crosshairs will appear on all
other series, as seen above at right. Click
and drag the mouse to simultaneously cine
all other series, as seen to the right.

The user display **Preferences** (P) you set
determine whether scout lines are displayed
during this operation.
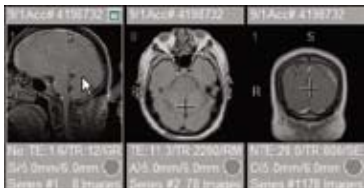
Localizer Mode with no scout lines
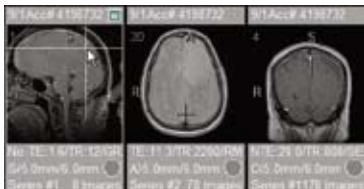
Localizer Mode showing scout lines

Advanced tools and options via pop-up (context) menus

Pop-up menus provide access to diagnostic reports and basic configurations as well as advanced image viewing and manipulation features, such as measurement tools, window width/level settings, and annotation tools.

Pop-up menus are context specific and modality specific. Access the menus by right clicking:
• Exam listings in the timeline or worklist
• Any image or series
• Any exam-row margin

Measurement and annotation tools, window width/level presets, and image-window configuration options are all available from the sub-menus.
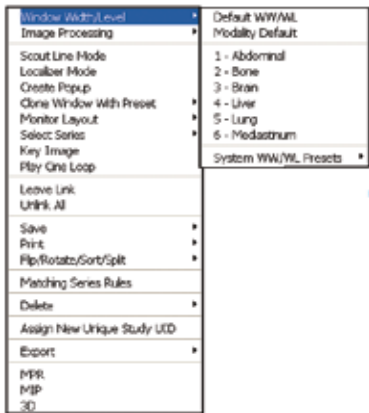
Preferences

Clicking the **Preferences** button ⓟ in the control strip allows you to customize iSite Enterprise to fit your individual needs, from enabling the **Key Image Stack** and **Scout Line Mode** styles, to creating other custom settings.
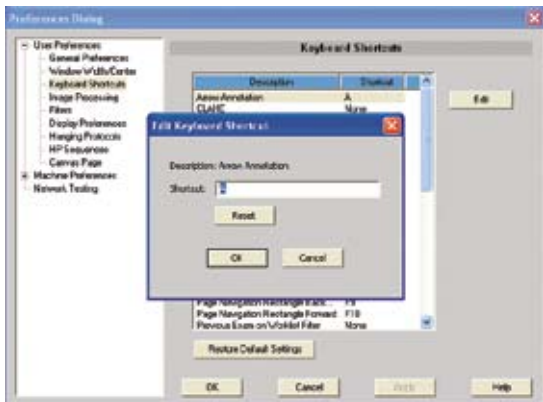
To view and edit individual preferences, select the desired item from the content tree.

Presentation States

Presentation States display exams that have been manipulated and saved with image features such as annotations, measurements, window width/level, or display order. Access **Presentation States** by right clicking an exam margin. You can view presentation states that have been created by other users, such as radiologists, or create your own. A "PS" icon will appear when a presentation state is loaded.

iSite Enterprise with advanced visualization

Start up

1. In the exam rack, select one or more series by pressing and holding the Shift key then click on the desired thumbnails.
2. Right click on one of the selected thumbnail images and select one of the following options:
   • MPR, MIP, 3D

Main functions and their icons in the toolbar

MPR (0 mm slab), Average Projection (> 0 mm slab).

MIP (variable slab thickness; CT – default 30 mm slab; MR & 3D RA – "entire volume").

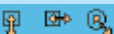Open Task Guidance to create a curved MPR.

3D Shaded Volume Rendering. Whole volume and variable slab and classification presets.

Saves image as capture in iSite Enterprise. While in advanced visualization, all modifications are available only during that session and will be lost unless captured. Image modifications made in either iSite Enterprise or iSite Radiology are not available in the advanced visualization view.

Mouse interactions

Icon	Cursor	Functionality	Mouse action
		Scroll though images	Press and hold the **left mouse button**, and drag on the view
		Zoom	Press and hold the **middle and right mouse buttons**, and drag on the view†
		Pan	Press and hold the **left and middle mouse buttons**, and drag on the view†
		Contrast – brightness	Press and hold the **middle mouse button**, and drag on the view†
		Increase/decrease edge enhancement	In edge enhancement mode: press and hold the left mouse button, and drag on the view
		Increase/decrease movie speed	In movie mode: press and hold the left mouse button, and drag on the view
		Position the shutters	Left click and drag at the borders of the image
		Resize the view	Left click and drag at the borders of the view

†"ViewForum" mouse convention. Mouse convention can be selected in advanced visualization main menu under: options/edit user profile.

For iSite Enterprise mouse interactions and keyboard shortcuts, please reference leaflet foldout on front cover.

Keyboard shortcuts

Shortcut	Icon	Cursor	Functionality
↑			Move slab backward
↓			Move slab forward
←			Decrease slab thickness
→			Increase slab thickness
F5			Interaction mode: − Scroll though image (up/down) − Change slab thickness (left/right)
F6			Interaction mode: roll
F7			Interaction mode: rotate in-plane
F8			Interaction mode: opacity level and width
F11			Toggle hide/display menu bar
F12			Toggle hide/display all view toolbars
Pause/break			Start/stop movie
Ctrl + i			Series information on a view
Ctrl + arrow keys			Changing orientation of volumes
+/-/*			Zoom volume
Ctrl + e			Capture this image

For iSite Enterprise mouse interactions and keyboard shortcuts, please reference leaflet foldout on front cover.

Philips iSite PACS Toll Free Technical Services numbers

Australia	800-8783-6867 (I)	Italy	800-870227 (L)	Sweden	020-79-4534 (L)
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I = International number   L = Local number

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