Memory sets

Updating the display in the Radio Memories window from the radio.

Opening a **.ктм** file into an editable Memory Set window

Loading a Radio's Memory Channels from a Memory Set window.

Reading a Radio's Memory Channels into a Memory Set window

Scrolling through All occupied channels in the Radio windows.

Radio Operation

Alphabetical List

<u>XIT</u> (txcvrs, except TS-140S, TS-50S)

Transmit (Registered Copies Only)

Click the button to transmit. The transmitter will stay on until you click the button again to return to receive mode or turn off the power

Related Topics

Radio Operation

Memory sets

Split Operation

Split Operation (Registered Copies Only)

Split operation is possible in VFO mode on all supported transceivers.

When you click the button in VFO mode, the Active vfo becomes the **receive vfo** and the Inactive vfo becomes the **transmit vfo.** Both are now displayed in the Active panel.

To return to simplex operation, click the Split button again. Until you toggle split off you will not be able to select a different source

Split operation is also available in Memory mode as follows:

TS-440S   channels 90-99
TS-140S   channels 10-19
TS-50/450/850/950S   channels 00-89.

When you tune to any of those channels Kentrol will automatically show both its receive and transmit settings if they are different.

Related Topics

Radio Operation

Memory sets

Transmit

Scroll button

Clicking the button steps the coarse tuning scroll bar upward through its current range, tuning the Tunable Source. When it gets to the top of the range, it automatically starts over at the bottom. You can change range, band or source while autoscrolling.

Steps through all filled channels if MEM is tunable, skipping channels that are blank or set to 100 kHz am, which Kentrol uses as a filler setting.

When scrolling one of the VFOs the tuning step that Kentrol uses depends on the mode, the bandspread, and the fine tuning step. If the mode is CW or FSK, Kentrol uses both scroll bars and a step of 500 Hz (100 Hz if that is your fine tuning step). For all other modes, only the coarse tuning bar is used, with a step of 1 kHz or more. It is more than 1 kHz only at Sub bandspread in the broadcast bands.

Related Topics

Radio Operation

Timeset button(R-5000) (Registered Copies Only)

Clicking the ⊟ button when an R-5000 is active opens a dialog which displays the current state of both radio clocks, plus system time and UTC. Copy system time to Clock 1 or UTC to Clock 2 by clicking on a button.

Antenna 1 / Antenna 2 (R-5000)

Select either of the R-5000's two antenna terminals from the ANT combo box , next to the Mode box. This setting applies to all three sources and is not saved to memory.

Power button   **(R-5000)** **(Registered Copies Only)**

The R-5000's on/off switch is remotely controlled by the button. When the radio is on, the button is depressed; when the button is up, the radio is off and all other functions are disabled. When Kentrol connects to an R-5000, it automatically switches it on if it is not already.

RIT **(txcvrs)**

Toggles RIT on and off. This setting applies to all three sources and is not saved to memory.

Related Topics

       Coarse Tuning

       Fine Tuning

       Radio Operation

<u>X</u>IT   (txcvrs, except TS-140/680S, TS-50S)

Toggles XIT on and off. This setting applies to all three sources and is not saved to memory.

<u>Related Topics</u>

       <u>Coarse Tuning</u>

       <u>Fine Tuning</u>

       <u>Radio Operation</u>

Set IT   (txcvrs)

When RIT or XIT is active (one or both boxes checked) the [+/-] button is enabled. When clicked it opens the IT setting dialog. in which you can change the offset. This setting is used by both RIT and XIT. They can be switched on and off separately, but cannot be set differently.

Related Topics

       Coarse Tuning

       Fine Tuning

       Radio Operation

Spread - Wide

This is the default range.

The Coarse Tuning scroll bar tunes from 100 kHz to 29,999 kHz. Click its end arrows for 1 kHz steps, or the bar itself for 10 kHz steps. Jumping up or down (vertical arrow buttons) shifts the frequency by exactly 1 MHz.

Related Topics

       Spread - 1 MHz

       Spread - Band

       Spread - Sub

       Coarse Tuning

       Fine Tuning

       Radio Operation

Spread - Band

If the currently active frequency is within a band that Kentrol knows about, clicking on the **Band** button sets the main scroll bar to the width of the band and labels it appropriately. If you aren't within a recognized band, the bandspread defaults to Wide.

Click the end arrows for 1 kHz steps, or bar for 10 kHz steps.

Bands are grouped into **services.** Kentrol has several services built in:
       broadcasting,
       amateur,
       time signals,
       aeronautical (voice only),
       marine (voice only)

Jumping goes to the next band up or down in the same service. In amateur and broadcast bands Kentrol remembers the last frequency you tuned before you changed bands and automatically restores it when you return When you close a radio, last tuned settings are saved and loaded next session.

Related Topics

      Spread - 1 MHz

      Spread - Sub

      Spread - Wide

      Coarse Tuning

      Fine Tuning

      Radio Operation

Spread - Sub

The **Sub** button gives Kentrol control of mode and tuning step if clicked while you are tuned to a frequency within a recognized band. To change modes or tune between steps, click on one of the other Spread buttons.

In the Ham, Aero and Marine services **Sub** also re-sets the main scroll bar to whichever sub-band the current frequency falls within. Sub-bands in the ham bands follow US/Can/JA/Region 1 band plans for HF.

Tuning step is 9/10 kHz in the MW broadcast band, 5 kHz in the SW broadcast bands, 3 kHz for Aero Route and Marine Phone sub-bands and 1 kHz elsewhere. Clicking on the bar moves 10 steps.

Jumping up or down goes to the next matching sub-band within the current service. Kentrol remembers the last frequency you tuned before you changed bands and automatically restores it when you return

Related Topics

Spread - 1 MHz

When you click this button, the Coarse Tuning bar's range becomes 1 MHz centred on the current frequency. For instance, if you are tuned to 14.260 and select the 1 MHz Spread, the range will be from 13.760 to 14.760. As in full range click the end arrows for 1 kHz steps, or the bar for 10 kHz steps. Clicking the 1 MHz button again re-centers the scroll bar.
Jumping up or down shifts the frequency and the tuning range by exactly 1 MHz, but it does not re-center the scroll bar.

Related Topics

Spread - Band

Spread - Sub

Spread - Wide

Coarse Tuning

Fine Tuning

Radio Operation

Jump: Up/Dn

The double-pointed vertical arrow button above the middle of the Coarse Tuning scroll bar allows you to jump up and down the radio's frequency range. How jumping works depends on the Spread chosen.

When the Spread is Band or Sub, jumping is within the current service. Jumping up from the highest band loops to the lowest, and vice versa. Kentrol remembers the last frequency you tuned before you changed bands and automatically restores it when you return

When using the Wideband or 1 MHz Spread, the jump is up/down 1 MHz. The 1 MHz range is automatically shifted by the same amount.

The Jump button is not available in memory mode.

Related Topics

Radio Operation

Coarse Tuning

Active Source A B M

There are 3 sources: (vfo) **A**, (vfo) **B** and **M(**emory). The Active Source is the one you are listening to. Select it with the letter buttons on the Toolbar. The buttons are active when a radio window is on top. The split button makes the currently active source the Rx source for split operation. Usually the Active source is also the Tunable Source, but it need not be.

Related Topics

       Tunable Source

       Inactive Sources

       Split Operation

       Radio Operation

Inactive Sources

There are 3 sources: vfo A, vfo B and Mem. The 2 that you are NOT listening to are the Inactive Sources. In the tuner window you can tune an inactive source without making it active. Just click its radio button, making it the Tunable Source.

Related Topics

       Active Source

       Tunable Source

       Split Operation

       Radio Operation

Tunable Source

There are 3 sources: vfo A, vfo B and Mem. The source with its radio button ON is Tunable. The Tunable Source is controlled by the scroll bars in the Tuner Window. By default the Active source is tunable. To make another source tunable, click its radio button.

Related Topics

Active Source

Inactive Sources

Split Operation

Radio Operation

Fine Tuning

The main scroll bar tunes to 1 kHz resolution. The Fine Tuning bar can be set to several steps. The default fine tuning step is 10 Hz, with 100 Hz if you click the bar. An ultrafine step of 1 Hz with 10 Hz is only available with 50-series radios. Steps of 100 Hz and 500 Hz are handy for tuning narrowband modes. The wide steps apply whether you click the arrows or the bar.

When you get to either end of the fine tuning bar and click again, it moves the main (coarse) tuning bar one click and resets the fine tuning bar accordingly. This allows you to cover as much of the spectrum as you want without having to coarse tune manually.

Fine Tuning is not available when MEM is the tunable source.

Related Topics

Coarse Tuning

Radio Operation

Keyboard Tuning

Just enter the frequency you want directly into the combo box on the toolbar. When you hit < enter > or click the arrow to the right of the box, the rig is instantly set to your selection. Frequency can be entered in MHz, kHz or Hz, and Kentrol will figure out which is which. You can use as many or few decimal places as you want, with one exception; frequencies in MHz *must* be entered with a decimal point, because Kentrol assumes that any number below 100 without a decimal point is a memory channel number.

If one of the vfos is active when you enter a frequency, that vfo is tuned to the new frequency. If you enter a frequency while Mem is active, the new frequency will be entered into vfo A, which will be made active.

Related Topics

      Radio Operation

Serial Port (Radio Setup dialog)

Use any ports COM1 to COM4, so long as Windows knows where they are.

Related Topics

Upload command (File menu)

Loads the memory set in the active window into the radio, starting at channel 00 and continuing until the radio is full. For most models the last channel is 99, but its 39 in a TS-940S and 30 in the TS-140/680S.

After the file is uploaded, you will want to update the Memories window of your radio by choosing the appropriate command on the Options Menu. In most cases this will be Update Memories. But if youve uploaded a file of fax mode memories and want to preserve their offset, choose Update as Fax.

Related Topics

Memory sets

Download command (File menu)

Reads the contents of the radio memories to an open Memory Set Window, then gives it the focus. You can then add notes. This command does NOT save to a file; use the Save command.

Related Topics

Memory sets

Log button

Adds records to a tab-separated ASCII text log file, which you select or create when you configure a radio.

UTC date and time, frequency, band and mode , plus signal on 50-series radios, are read directly from the radio by Kentrol. You are prompted for text, which you can organize into as many or as few fields as you want by using '\' as a separator. Kentrol converts the '\' to a TAB, which Windows won't allow you to type in directly.

Related Topics

BandBox

When you select a service (ham cw, ham phone, ham digital, broadcast, time signal, aero, or marine) Kentrol instantly takes you to it, by:

      setting the active frequency to the next band (up) of that service;

      setting the active mode as appropriate for that frequency;

      setting the Spread tuning range to Sub.

From that point you can use the Jump buttons to move to higher or lower bands within that service, use the scroll bar to move to another part of the band

Related Topics

        Radio Operation

Region (Radio Setup dialog)

Frequency allocations ('bands') are set by the ITU for 3 world regions:

> Region I includes Europe, Africa, Middle East, part of Asia
> Region II covers the Americas, plus Hawaii
> Region III is most of Asia and the Pacific.

When operating with bandspread set to **Band**, Kentrol knows the correct bands to use for each Region. If you select the USA or Canada you get the Region II bands; select Japan and get Region III bands. If you choose Region I, that's what you get. The default is USA.

Compared to the default Region II, Region I has the additional Longwave, 75m and 41m broadcast bands, narrower 40m, 80m and 160m ham bands, and 9kHz channel spacing on lw and mw. Region III has all of those except longwave. Medium wave spacing in Region II is 10kHz.

It is left to national authorities to decide how the ITU ham bands should be divided into sub-bands. Usually these are partly official (e.g. cw/phone) and partly voluntary (e.g. sstv/rtty). In Canada all ham sub-bands are voluntary. Kentrol's **Sub** bandspread provides access to the complete sub-band structures for Canada, the USA and Japan. For users in Region I, a generic set of sub-bands is provided.

Kentrol's USA sub-band set largely follows the band plan recommended in the ARRL Operating Manual, 4th Edition. The Canada set similarly follows the latest version of the RAC suggested band plan for HF. Where Kentrol differs from those plans is mostly in designating digital sub-bands. General practice allows digital modes more space than the ARRL/RAC plans, so Kentrol reflects general practice.

Your choice is stored in the kentrol.ini file and is used each time the program loads.
Related Topics

Memory sets

Reset command (Options menu)

If Kentrol gets 'out of touch' with your radio and shows ERR or 0's in the display, choose Reset.
This command causes Kentrol to query the radio twice for settings information as though it had been re-started, and will usually re-establish the link between computer and radio.

Related Topics

Spread - Sub

Hot Spots

Hot Spots are frequencies that you store temporarily for instant recall. Such short-term storage facilities are often called 'scratch' memories; on scanners they are usually called monitor channels. In Kentrol, Hot Spots are stored in the combo box on the toolbar.

Type a frequency into the boxs edit control or click the button on the left of the box to automatically store the current frequency. The last eight frequencies stored are saved between sessions and reloaded.

To tune to a stored frequency, select it from the combo boxs list. When you click the arrow on the right of the box or type <enter>, the radio is automatically tuned to the selected frequency.

Related Topics

Radio Operation

Toolbar

Mode Setting

The edit window of the Mode combo box in the lower left of the tuner window always shows the mode of the current active source. Clicking on the arrow beside the box opens the list of possible modes. Select the one you want via mouse or keyboard, then click the arrow again to close the list. If you prefer, you can just type the mode by name into the edit window and the selection will follow your typing.

Fax Mode is a Kentrol exclusive. Select fax as your mode and Kentrol automatically sets the sideband and filters and provides the correct (centre tuning) offset. Tune listed frequencies directly.

In FSK mode Kentrol automatically provides the correct (mark tuning) offset, even on 40-series rigs which display the carrier frequency. FSK mode on the 140/680 and TS-50 is exclusive to Kentrol.

Related Topics

Radio Operation

Filter Selection('50-series)

On all '50-series Kenwood rigs except the TS-50, the IF filters can be selected via the computer, and the first (8 MHz) and second (455 kHz) IF filters can be set independently of each other.

The edit windows of the two filter selection combo boxes show the filters currently in use. Changing filters is a simple matter of clicking on the appropriate arrow to open its list box, then clicking on your choice.

Related Topics

Radio Operation

Coarse Tuning

The main scroll bar in the tuner window is used for coarse tuning. One step on this scale is 1 kHz or more, depending on the bandspread chosen. The current step is shown above the right (high) end of the scroll bar. Like all tuner window actions, coarse tuning is applied to the tunable source.

Related Topics

Spread - Wide

Spread - 1 MHz

Spread - Band

Spread - Sub

Fine Tuning

Radio Operation

S-Meter Display   ('50-series)

The meter display occupies the upper right of the tuner window when Kentrol operates a 50-series transceiver.

While in receive mode the meter shows signal strength on an S-unit scale. In transmit mode the meter shows Power in watts.

A secondary meter for transmit only (not on the TS-50S) provides additional information about your out-going signal.

Related Topics

Secondary Meter ('50-series)

Radio Operation

Secondary Meter   ('50-series)

The secondary meter display and the selected scale are visible only in transmit mode. The choices, available from the combo box, are:

a bar indicating the ALC range (for the power meter above),
bar graph of SWR ratio,
bar graph of speech compression in dB, and
no display.

Please note that there will be no reading for Comp unless speech processing is turned on. Also please note that SWR reading only works with the built-in antenna tuner switched **off**. These are hardware limitations.

Related Topics

S-Meter Display ('50-series)

Radio Operation

Kentrol uses extended broadcast bands, based on the current edition of the World Radio-TV Handbook.

The following are built in: WWV/H at 2.5, 5, 10, 15, 20 Mhz and CHU at 3330, 7335, 14670 kHz.

Update Memories command (Options menu)

If the channel contents displayed in the Memories Window do not match the radio because a file has been uploaded or some other change made, select this command.

This command causes Kentrol to read the radios memory channels and display them in the Memories Window..

Related Topics

Update as Fax

Update as Fax command (Options menu)

When you upload fax mode memories, they are translated into offset USB. If you select the Update Memories command the (offset) carrier frequencies will be displayed.

Since there is no way for Kentrol to distinguish them from normal USB channels, you need to select this command, which converts everything to fax mode.

Related Topics

Update Memories

Keyboard Shortcuts

TUNING HOT KEYS

In a *Tuner* window, use the **'c'** and **'f'** keys to quickly switch between the coarse and fine tuning bars. Then you can use the **arrow**, **PgUp/PgDn**, **Home** and **End** keys to change frequency.Activate the mode box with the **'m'** key, leave it with **Tab** to the coarse tuning bar.

The keys below work whenever a radio window - *Tuner* or *Memories* - is active

Ctrl + a :	select vfo A
Ctrl + b :	select vfo B
Ctrl + m :	select Mem
Ctrl + h :	HOT SPOT (add active freq to Hot Spot List)
Ctrl + l :	Log (Log Entry Dialog)
Ctrl + s :	toggles SPLIT on/off
Ctrl + t :	toggles TRANSMIT on/off
Ctrl + SPACEBAR :	toggles AUTOSCROLL on/off

F2 :	GOTO next HAM PHONE segment
F3 :	GOTO next HAM CW segment
F4 :	GOTO next HAM DIGITAL segment
F5 :	GOTO next TIME SIGNAL frequency
F7 :	GOTO next BROADCAST band
F8 :	GOTO next MARINE PHONE segment
F9 :	GOTO next MARINE CW segment
F10 :	GOTO next MARINE DIGITAL segment
F11 :	GOTO next AIRCRAFT band

 NB: *The function keys work even when the BandBox is not visible*

Ctrl + u :	Jump UP
Ctrl + d :	Jump DOWN

SYSTEM HOT KEYS (always available)

F1 :	HELP
Ctrl + n :	Create a new file (File New Dialog)
Ctrl + o :	Open an existing file (File Open Dialog)

EDITING HOT KEYS

These keys work whenever a text window - *Memfile* or *Log* - is active

Ctrl + c :	Copy	**Ctrl + z** :	Undo
Ctrl + x :	Cut		
Ctrl + v :	Paste	**Ctrl + p** :	Print

Kentrol Help Topics

How To ...

Operate a radio
Manipulate a memory set
Keep a log
Keyboard Shortcuts
Toolbar

Commands

File menu
Edit menu
View menu
Window menu
Options menu
Help menu

Alphabetical List of Topics

Index

File menu commands

The File menu offers the following commands:

New	Creates a new object.
Open	Opens an existing object.
Close	Closes an opened object.
Save	Saves an opened object using the same file name.
Save As	Saves an opened object to a specified file name.
Upload	Loads an open memory set into the radio.
Download	Reads the current radio memories into an open window.
Print	Prints an object. *(Registered Copies Only)*
Print Preview	Displays the object on the screen as it would appear printed.
Page Setup	Insert headers and footers.
Printer Setup	Selects a printer and printer connection.
Exit	Exits Kentrol.

Edit menu commands

The Edit menu offers the following commands:

<u>Undo</u>	Reverse previous editing operation.
<u>Cut</u>	Deletes data from a document and moves it to the clipboard.
<u>Copy</u>	Copies data from a document to the clipboard.
<u>Paste</u>	Pastes data from the clipboard into a document.
<u>Paste Link</u>	Pastes from the clipboard a link to data in another application.
<u>Links</u>	List and edit links to embedded objects.

View menu commands

The View menu offers the following commands:

Toolbar   Shows or hides the toolbar.
BandBox   Shows or hides the floating bandbox.

Window menu commands

The Window menu offers the following commands, which enable you to arrange multiple views of multiple objects in the application window:

Cascade   Arranges windows in an overlapped fashion.
Tile   Arranges windows in non-overlapped tiles.
Arrange Icons Arranges icons of closed windows.
Window 1, 2, ... Goes to specified window.

Options menu commands

<u>Fine Tuning Step</u>	Select 1, 10, 100, 500 Hz fine tuning step.
<u>Radio Setup</u>	Set Parameters for the current radio
<u>Update Memories</u>	Refresh Memories window from current radio
<u>Update as Fax</u>	Refresh Memories, applying fax mode offset
<u>Reset</u>	Refresh Tuner window from the current radio

Help menu commands

The Help menu offers the following commands, which provide you assistance with this application:

Index   Offers you an index to topics on which you can get help.
Using   Provides general instructions on using help.
Help
About   Displays the version number of this application.

New command (File menu)

Use this command to create a new object in Kentrol.   That object can be a radio configuration, a memory set, or a log.Select the type of new file you want to create in the File New dialog box.

You can open an existing object with the Open command.

Shortcuts

Toolbar:

Keys: CTRL+N

File New dialog box

Specify the type of object you wish to create:

Radio creates a new radio configuration object. You will be prompted for the serial port through which it will initialize itself.

Memories creates a blank memory set.

Log opens a blank text window. If you then save it as a .LOG file Kentrol can recognize it.

Open command (File menu)

Use this command to open an existing object in a new window.   In the File Open Dialog Kentrol lets you choose among object types.   You can open multiple objects at once.   Use the <u>Window 1, 2, ... command</u> on the Window menu to switch among the multiple open objects.

You can create new objects with the <u>New command</u>.

Shortcuts

   Toolbar:

Keys: CTRL+O

File Open dialog box

The following options allow you to specify which file to open:

File Name

Type or select the filename you want to open.   This box lists files with the extension you select in the List Files of Type box.

List Files of Type

Select the type of file you want to open:

*.RAD files contain radio configurations. Before you open a *.RAD file, connect the radio.

*.KTM files contain memory sets, usually with notes. You can use a *.ktm file from any radio.

*.LOG files contain loggings saved in pure ASCII database format.

Drives

Select the drive in which Kentrol stores the file that you want to open.

Directories

Select the directory in which Kentrol stores the file that you want to open.

Close command (File menu)

Use this command to close all windows containing the active object.   Kentrol suggests that you save changes to your object before you close it.   If you close an object without saving, you lose all changes made since the last time you saved it.   Before closing an untitled object, Kentrol displays the Save As dialog box and suggests that you name and save the object.

You can also close an object by using the Close icon on the object's window, as shown below:

Save command (File menu)

Use this command to save the active object to its current name and directory.   When you save an object for the first time, Kentrol displays the <u>Save As dialog box</u> so you can name your object.   If you want to change the name and directory of an existing object before you save it, choose the <u>Save As command</u>.

Shortcuts

    Toolbar:

Keys: CTRL+S

Save As command (File menu)

Use this command to save and name the active object.   Kentrol displays the <u>Save As dialog box</u> so you can name your object.

To save an object with its existing name and directory, use the <u>Save command</u>.

File Save As dialog box

The following options allow you to specify the name and location of the file you're about to save:

File Name
Type a new filename to save an object with a different name.   A filename can contain up to eight characters and an extension of up to three characters.   Kentrol adds the extension you specify in the Save File As Type box.

Drives
Select the drive in which you want to store the object.

Directories
Select the directory in which you want to store the object.

1, 2, 3, 4 command (File menu)

Use the numbers and filenames listed at the bottom of the File menu to open the last four objects you closed.   Choose the number that corresponds with the object you want to open.

Exit command (File menu)

Use this command to end your Kentrol session.   You can also use the Close command on the application Control menu.   Kentrol prompts you to save objects with unsaved changes.

Shortcuts
    Mouse: Double-click the application's Control menu button.

Keys: ALT+F4

Undo/Can't Undo command (Edit menu)

<< Your application's user interface for Undo may differ from the one described below.   Modify this help text accordingly. >>

Use this command to reverse the last editing action, if possible.   The name of the command changes, depending on what the last action was.   The Undo command changes to Can't Undo on the menu if you cannot reverse your last action.

Shortcuts

Toolbar:
Keys: CTRL+Z or
        ALT-BACKSPACE

Redo command (Edit menu)

<< Write application-specific help here. >>

Cut command (Edit menu)

Use this command to remove the currently selected data from the object and put it on the clipboard.   This command is unavailable if there is no data currently selected.

Cutting data to the clipboard replaces the contents previously stored there.

Shortcuts

     Toolbar:
Keys: CTRL+X

Copy command (Edit menu)

Use this command to copy selected data onto the clipboard.   This command is unavailable if there is no data currently selected.

Copying data to the clipboard replaces the contents previously stored there.

Shortcuts

    Toolbar:
Keys: CTRL+C

Paste command (Edit menu)

Use this command to insert a copy of the clipboard contents at the insertion point.   This command is unavailable if the clipboard is empty.

Shortcuts

Toolbar:
Keys: CTRL+V

Toolbar command (View menu)

Use this command to display and hide the Toolbar, which includes buttons for some of the most common commands in Kentrol, such as Source selection, Transmit.   A check mark appears next to the menu item when the Toolbar is displayed.

See Toolbar for help on using the toolbar.

Toolbar

The toolbar is displayed across the top of the application window, below the menu bar.   The toolbar provides quick mouse access to many tools used in Kentrol,

To hide or display the Toolbar, choose Toolbar from the View menu (ALT, V, T).

<< Add or remove toolbar buttons from the list below according to which ones your application offers. >>

Click   To
_____

      Open a new object. Kentrol displays the New dialog box, in which you can choose the desired object type: Radio, Memory Set or Log.

      Open an existing object.   Kentrol displays the Open dialog box, in which you can locate and open the desired file.

      Save the active object with its current name.   If you have not named the object, Kentrol displays the Save As dialog box.

      Print the active object. Available for Memory Sets and Logs only.

      Remove selected text from the object and stores it on the clipboard.

      Copy the selection to the clipboard.

      Insert the contents of the clipboard at the insertion point.

      Reverse the last editing.   Note: You cannot undo some actions.

<u>Source Buttons</u><u>Store Buttons</u>

<u>Keyboard Tuning</u>

<u>Split</u> (txcvrs)   or   <u>Time</u> power (R-5000)

<u>Service Buttons</u>

<u>Scroll</u>

<u>Scanning Memory Channels</u>

<u>Logging</u>

<u>Transmit</u> (txcvrs)   or   <u>Power Switch</u>(R-5000)

<u>Hot Spot Buttons</u> ('50-series)

Status Bar command (View menu)

Use this command to display and hide the Status Bar, which describes the action to be executed by the selected menu item or depressed toolbar button, and keyboard latch state. A check mark appears next to the menu item when the Status Bar is displayed.

See Status Bar for help on using the status bar.

Status Bar

```
                                                    CAP  [   ] [   ]
```

The status bar is displayed at the bottom of the Kentrol window.   To display or hide the status bar, use the Status Bar command in the View menu.

The left area of the status bar describes actions of menu items as you use the arrow keys to navigate through menus.   This area similarly shows messages that describe the actions of toolbar buttons as you depress them, before releasing them.   If after viewing the description of the toolbar button command you wish not to execute the command, then release the mouse button while the pointer is off the toolbar button.

The right areas of the status bar indicate which of the following keys are latched down:

Indicator	Description
CAP	The Caps Lock key is latched down.
NUM	The Num Lock key is latched down.
SCRL	The Scroll Lock key is latched down.

New command (Window menu)

Use this command to open a new window with the same contents as the active window.   You can open multiple object windows to display different parts or views of an object at the same time.   If you change the contents in one window, all other windows containing the same object reflect those changes.   When you open a new window, it becomes the active window and is displayed on top of all other open windows.

Cascade command (Window menu)

Use this command to arrange multiple opened windows in an overlapped fashion.

Tile command (Window menu)

Use this command to arrange multiple opened windows in a non-overlapped fashion.

Tile Horizontal command (Window menu)

Use this command to vertically arrange multiple opened windows in a non-overlapped fashion.

Tile Vertical command (Window menu)

Use this command to arrange multiple opened windows side by side.

Window Arrange Icons Command

Use this command to arrange the icons for minimized windows at the bottom of the main window.   If there is an open object window at the bottom of the main window, then some or all of the icons may not be visible because they will be underneath this object window.

1, 2, ... command (Window menu)

Kentrol displays a list of currently open object windows at the bottom of the Window menu.   A check mark appears in front of the object name of the active window.   Choose an object from this list to make its window active.

Index command (Help menu)

Use this command to display the opening screen of Help.   From the opening screen, you can jump to step-by-step instructions for using Kentrol and various types of reference information.

Once you open Help, you can click the Contents button whenever you want to return to the opening screen.

Using Help command (Help menu)

Use this command for instructions about using Help.

About command (Help menu)

Use this command to display the copyright notice and version number of your copy of Kentrol.

Context Help command

![Context Help button icon]

Use the Context Help command to obtain help on some portion of Kentrol.   When you choose the Toolbar's Context Help button, the mouse pointer will change to an arrow and question mark.   Then click somewhere in the Kentrol window, such as another Toolbar button.   The Help topic will be shown for the item you clicked.

Shortcut
Keys: SHIFT+F1

Title Bar

<< Show your application's title bar here. >>

The title bar is located along the top of a window.   It contains the name of the application and object.

To move the window, drag the title bar.   Note: You can also move dialog boxes by dragging their title bars.

A title bar may contain the following elements:
- Application Control-menu button
- Object Control-menu button
- Maximize button
- Minimize button
- Name of the application
- Name of the object
- Restore button

Scroll bars

Displayed at the right and bottom edges of the object window.   The scroll boxes inside the scroll bars indicate your vertical and horizontal location in the object.   You can use the mouse to scroll to other parts of the object.

Size command (System menu)

Use this command to display a four-headed arrow so you can size the active window with the arrow keys.

After the pointer changes to the four-headed arrow:

1. Press one of the DIRECTION keys (left, right, up, or down arrow key) to move the pointer to the border you want to move.
2. Press a DIRECTION key to move the border.
3. Press ENTER when the window is the size you want.

Note: This command is unavailable if you maximize the window.

Shortcut
　　Mouse:　　Drag the size bars at the corners or edges of the window.

Move command (Control menu)

Use this command to display a four-headed arrow so you can move the active window or dialog box with the arrow keys.

Note: This command is unavailable if you maximize the window.

Shortcut
    Keys: CTRL+F7

Minimize command (application Control menu)

Use this command to reduce the Kentrol window to an icon.

Shortcut

Mouse: Click the minimize icon on the title bar.
Keys: ALT+F9

Maximize command (System menu)

Use this command to enlarge the active window to fill the available space.

Shortcut

Mouse: Click the maximize icon on the title bar; or double-click the title bar.
Keys: CTRL+F10 enlarges an object window.

Next Window command (object Control menu)

Use this command to switch to the next open object window.   Kentrol determines which window is next according to the order in which you opened the windows.

Shortcut
    Keys: CTRL+F6

Previous Window command (object Control menu)

Use this command to switch to the previous open object window.   Kentrol determines which window is previous according to the order in which you opened the windows.

Shortcut
    Keys: SHIFT+CTRL+F6

Close command (Control menus)

Use this command to close the active window or dialog box.

Double-clicking a Control-menu box is the same as choosing the Close command.

Note: If you have multiple windows open for a single object, the Close command on the object Control menu closes only one window at a time.   You can close all windows at once with the Close command on the File menu.

Shortcuts
Keys: CTRL+F4 closes an object window
                ALT+F4 closes the <<YourType>> window or dialog box

Restore command (Control menu)

Use this command to return the active window to its size and position before you chose the Maximize or Minimize command.

Switch to command (application Control menu)

Use this command to display a list of all open applications.   Use this "Task List" to switch to or close an application on the list.

Shortcut
Keys: CTRL+ESC

Dialog Box Options
When you choose the Switch To command, you will be presented with a dialog box with the following options:

Task List
Select the application you want to switch to or close.

Switch To
Makes the selected application active.

End Task
Closes the selected application.

Cancel
Closes the Task List box.

Cascade
Arranges open applications so they overlap and you can see each title bar.   This option does not affect applications reduced to icons.

Tile
Arranges open applications into windows that do not overlap.   This option does not affect applications reduced to icons.

Arrange Icons
Arranges the icons of all minimized applications across the bottom of the screen.

Ruler command (View menu)

Choose Font dialog box

Choose Color dialog box

Find command (Edit menu)

Find dialog box

Replace command (Edit menu)

Replace dialog box

Repeat command (Edit menu)

Use this command to repeat the last editing command carried out.   The Repeat menu item changes to Can't Repeat if you cannot repeat your last action.

Shortcut
    Key: F4

Clear command (Edit menu)

Clear All command (Edit menu)

Next Pane

Prev Pane

No Help Available

No help is available for this area of the window.

No Help Available

No help is available for this message box.

Print command (File menu)

Use this command to print a document, which may be either a memory set or a log.   This command presents a <u>Print dialog box</u>, where you may specify the range of pages to be printed, the number of copies, the destination printer, and other printer setup options.

Shortcuts

Toolbar:

Keys: CTRL+P

Print dialog box

The following options allow you to specify how the document should be printed:

Printer
    This is the active printer and printer connection.   Choose the Setup option to change the printer and printer connection.

Setup
    Displays a <u>Print Setup dialog box</u>, so   you can select a printer and printer connection.

Print Range
    Specify the pages you want to print:
    All   Prints the entire document.
    Selectio   Prints the currently selected text.
    n
    Pages   Prints the range of pages you specify in the From and To boxes.

Copies
    Specify the number of copies you want to print for the above page range.

Collate Copies
    Prints copies in page number order, instead of separated multiple copies of each page.

Print Quality
    Select the quality of the printing.   Generally, lower quality printing takes less time to produce.

Print Progress Dialog

The Printing dialog box is shown during the time that Kentrol is sending output to the printer. The page number indicates the progress of the printing.

To abort printing, choose Cancel.

Print Preview command (File menu)

Use this command to display the active document as it would appear when printed.   When you choose this command, the main window will be replaced with a print preview window in which one or two pages will be displayed in their printed format.   The <u>print preview toolbar</u> offers you options to view either one or two pages at a time; move back and forth through the document; zoom in and out of pages; and initiate a print job.

Print Preview toolbar

The print preview toolbar offers you the following options:

Print
    Bring up the print dialog box, to start a print job.

Next Page
    Preview the next printed page.

Prev Page
    Preview the previous printed page.

One Page / Two Page
    Preview one or two printed pages at a time.

Zoom In
    Take a closer look at the printed page.

Zoom Out
    Take a larger look at the printed page.

Close
    Return from print preview to the editing window.

Printer Setup command (File menu)

Use this command to select a printer and a printer connection.   This command presents a Printer Setup dialog box, where you specify the printer and its connection.

Printer Setup dialog box

The following options allow you to select the destination printer and its connection.

Printer
Select the printer you want to use.   Choose the Default Printer; or choose the Specific Printer option and select one of the current installed printers shown in the box.   You install printers and configure ports using the Windows Control Panel.

Orientation
Choose Portrait or Landscape.

Paper Size
Select the size of paper that the document is to be printed on.

Paper Source
Some printers offer multiple trays for different paper sources.   Specify the tray here.

Options
Displays a dialog box where you can make additional choices about printing, specific to the type of printer you have selected.

Network...
Choose this button to connect to a network location, assigning it a new drive letter.

Page Setup command (File menu)

Displays a dialog box where you can choose to include filenames, page numbers and dates in either headers or footers on your printed output.