KOBA vision

KOBA VISION

Vocatex Standard
Vocatex Plus

Technical Manual

Chapter

1

Service menu

KOBA Vision Vocatex has a service menu. The service menu is intended to adjust the parameters of the Vocatex to the specific needs of the customer.

⚠️ **WARNING**

Do not give this manual or inform a customer about the menu. The menu is only for dealers.

Navigation

To access the service menu, press and hold:

1. The **zoom knob**.

2. **Colour button**
   (while holding the zoom knob).

After a few seconds, the service menu will appear.

Navigation: Rotate the zoom knob

Left: Previous item

Right: Next item

Confirm: Press the **Colour button**

Structure

- *for experts. Do not change these settings unless you know exactly what you are doing. KOBA Vision will not provide support for these settings.

- The menu will show messages in grey and white
  - o Grey: not accessible
  - o White: accessible

Menu	Submenu 1	Submenu 2	Description	Procedure to save
Info	Software Info	Software Version	Displays software version	-
		Image Version	Displays image version	-
		Reading Voice Cnt	Displays how many voices are installed	-
		Back	-	-
	Hardware Info		No access	-
	HDMI Info		No access	-
	CEC Info		No access	-
	Back		-	-
Frontpanel	SW2 Function	Toggle HMDI Input	By pressing button 2 of the frontpanel, the Vocatex will toggle between the HDMI 1 and the HDMI 2 input of the screen	Save configuration
		Factory Settings	By pressing button 2 of the frontpanel, the Vocatex will go back to factory settings	Save configuration
	SW3 Function	Brightn BackGr ( )	Select to make function brightness/background available under button 3. Select → (X), unselect → ( )	Save configuration
		Lighting ( )	Select to make function lighting available under button 3. Select → (X), unselect → ( )	Save configuration
		Line ( )	Select to make function line available under button 3. Select → (X), unselect → ( )	Save configuration
		Bar ( )	Select to make function bar available under button 3. Select → (X), unselect → ( )	Save configuration
		Back	-	-
	SW6 Function	Overview Zoom	By pressing button 6 of the frontpanel, the Vocatex will go to overview mode and back to magnification	Save configuration
		Start Stop Reading	By pressing button 6 of the frontpanel, the Vocatex will start or stop reading	Save configuration
		Toggle HDMI Input	By pressing button 6 of the frontpanel, the Vocatex will toggle between the HDMI 1 and the HDMI 2 input of the screen	Save configuration
		Factory Settings	By pressing button 6 of the frontpanel, the Vocatex will go back to factory settings	Save configuration
	Footswitch Func	Overview Zoom	By pushing the footswitch, the Vocatex will go to overview mode and back to magnification	Save configuration
		Start Stop Reading	By pushing the footswitch, the Vocatex will start or stop reading	Save configuration
		Toggle HDMI Input	By pushing the footswitch, the Vocatex will toggle between the HDMI 1 and the HDMI 2 input of the screen	Save configuration

All colors	No		Possibility to select the colors individually	-
	Yes		Turns the full color list on	-
Backg Color List		BlackWhite ( )	Select to make black/white and white/black available in the color list by pressing and hold button 4. Select → (X), unselect → ( )	Save configuration
		BlackRed ( )	Select to make black/red and red/black available in the color list by pressing and hold button 4. Select → (X), unselect → ( )	Save configuration
		BlackGreen ( )	Select to make black/green and green/black available in the color list by pressing and hold button 4. Select → (X), unselect → ( )	Save configuration
		BlackBlue ( )	Select to make black/blue and blue/black available in the color list by pressing and hold button 4. Select → (X), unselect → ( )	Save configuration
		BlackCyan ( )	Select to make black/cyan and cyan/black available in the color list by pressing and hold button 4. Select → (X), unselect → ( )	Save configuration
		BlackYellow ( )	Select to make black/yellow and yellow/black available in the color list by pressing and hold button 4. Select → (X), unselect → ( )	Save configuration
		BlackMagenta ( )	Select to make black/magenta and magenta/black available in the color list by pressing and hold button 4. Select → (X), unselect → ( )	Save configuration
		BlackOrange ( )	Select to make black/orange and orange/black available in the color list by pressing and hold button 4. Select → (X), unselect → ( )	Save configuration
		BlackGray ( )	Select to make black/gray and gray/black available in the color list by pressing and hold button 4. Select → (X), unselect → ( )	Save configuration
		BlueYellow ( )	Select to make blue/yellow and yellow/blue available in the color list by pressing and hold button 4. Select → (X), unselect → ( )	Save configuration
		BlueWhite ( )	Select to make blue/white and white/blue available in the color list by pressing and hold button 4. Select → (X), unselect → ( )	Save configuration
		RedWhite ( )	Select to make red/white and white/red available in the color list by pressing and hold button 4. Select → (X), unselect → ( )	Save configuration
		OrangeWhite ( )	Select to make orange/white and white/orange available in the color list by pressing and hold button 4.	Save configuration

S E R V I C E   M E N U

	Setting / Option	Description	Save
	GreenWhite ( )	Select → (X), unselect → ( ). Select to make green/white and white/green available in the color list by pressing and hold button 4. Select → (X), unselect → ( )	Save configuration
	Back	-	-
	Lighting	Changes the brightness of the document lights and frontpanel lights	Save factory settings
	FPanel Illumin	Changes the brightness of the frontpanel lights only	Save configuration
	Back	-	-
Video	Contrast	Changes the contrast	Save factory settings
	Brightness	Changes the brightness	Save factory settings
	Colour Saturation	Changes the colour saturation	Save factory settings
	Background	Changes the background	Save factory settings
	Line Width	Changes the width of the line available under button 3 if selected in "Frontpanel" – "SW3 Function"	Save configuration
	Bar Brightness	Changes the brightness of the bar available under button 3 if selected in "Frontpanel" – "SW3 Function"	Save configuration
	Bar Transparancy	Changes the transparancy of the bar available under button 3 if selected in "Frontpanel" – "SW3 Function"	Save configuration
	Back	-	-
Reading	Run Init Wizard — No	Select not run the language and voice wizard during the next start up	Save configuration
	Yes	Select to run the language and voice wizard during the next start up	Save configuration
	Motion Control — None	During reading, the camera image is real-time. The Vocatex will not detect document movement. The Vocatex will not update the reading box. (Vocatex 1)	Save configuration
	FreezeFrame	During reading, the camera image is freezed.	Save configuration
	StichOnMatch	During reading, the camera image is real-time. The Vocatex will detect document movement. The Vocatex will update the reading box if it finds a match with the last position.	Save configuration
	StichAlways	During reading, the camera image is real-time. The Vocatex will detect document movement. The Vocatex will update the reading box if it finds a match with the last position. If a match isn't found, the Vocatex will automatically perform a new start reading operation. (displays a triangle left of the progress indicator)	Save configuration
	Voice Assistance — Off	Select to turn the talking button messages off	Save configuration

		On	Select to turn the talking button messages on	Save configuration
	Back		-	-
Reading Graphics	Column Selector	Off	Select to turn the column selector off	Save configuration
		On	Select to turn the column selector on	Save configuration
	Col Select Color	Red	Changes the color of the column selector to red	Save configuration
		Green	Changes the color of the column selector to green	Save configuration
		Cyan	Changes the color of the column selector to cyan	Save configuration
		Yellow	Changes the color of the column selector to yellow	Save configuration
		Magenta	Changes the color of the column selector to magenta	Save configuration
		Orange	Changes the color of the column selector to orange	Save configuration
		BlackOrWhite	Changes the color of the column selector to black (colormode or white background/black letters) or white (black background/white letters)	Save configuration
	Box Thickness		Changes the thickness of the reading box (0 = off)	Save configuration
	Hor Line Thickness		Changes the thickness of the horizontal line (0 = off)	Save configuration
	Triangle Height		Changes the height of the triangle of the column selector (0 = off)	Save configuration
	Col Select Thickness		Changes the thickness of the column selector (0 = off)	Save configuration
	PI Mode	None	Displays no progress indicator	Save configuration
		Top	Displays the progress indicator on top of the screen	Save configuration
		Bottom	Displays the progress indicator on the bottom of the screen	Save configuration
	PI Border Thickness		Changes the border thickness of the progress indicator (0 = off)	Save configuration
	PI Height		Changes the height of the progress indicator	Save configuration
	Back		-	-
Tech			-	-
Camera	Cam Rgain		Colour adjustment of the camera	Save configuration
	Cam Bgain		Colour adjustment of the camera	Save configuration
	Nbr of Zoom Steps		Changes the number of steps the zoom range is divided in	Save configuration
	Default Zoom Pos		Changes the zoom position during start up	Save configuration
	Perman Autofocus	Off	Sets off the permanent autofocus	Save configuration
		On	Sets on the permanent autofocus	Save configuration
	Video Mode	720p	Sets the camera resolution to progressive scan 1280x720 (first startup takes about 5 minutes with blinking lights to program the unit)	Save configuration

				Save configuration
		1080i	Sets the camera resolution to interlaced 1920x1080 (first start up takes about 5 minutes with blinking lights to program the unit)	Save configuration
	Save For Bootup	No	Select not to save the new default zoom position	-
		Yes	Select to save the new default zoom position	-
	Back		-	-
HDMI	HDMI/DVI	Auto	Detects automatically if the screen has a HDMI or DVI input	Save configuration
		HDMI	Sets the output to HDMI (video and sound)	Save configuration
		DVI	Sets the output to DVI (only video)	Save configuration
	HDMI Color Space	Auto	Detects automatically the color space	Save configuration
		YUV444	Changes the color space to YUV444	Save configuration
		YUV422	Changes the color space to YUV422	Save configuration
		RGB	Changes the color space to RGB	Save configuration
	HDMI Scanning	No Data	Preset of the screen is used to display the image	Save configuration
		OverScan	Extra image area around the four edges of the image are shown	Save configuration
		UnderScan	No extra image area around the four edges of the image are shown	Save configuration
	HDMI Width		Changes the image resolution in the width	Save configuration
	HDMI Height		Changes the image resolution in the height	Save configuration
	CEC	Off	CEC (communication between Vocatex – screen) off	Save configuration
		On	CEC (communication between Vocatex – screen) on	Save configuration
	TV Auto Power	No	The Vocatex will not turn off the screen when turning off the Vocatex	Save configuration
		Yes	If available on the screen, the Vocatex will automatically turn off the screen when turning off the Vocatex	Save configuration
	Back		-	-
Load/Save	Load factory setgs		Loads the current factory settings	-
	Def. factory setgs		Loads the default factory settings	-
	Save factory setgs		Save the current settings as factory settings	-
	Load config.		Loads the current configuration	-
	Default config.		Loads the default configuration	-
	Save config.		Save the current configuration	-
	Reset Init Wizard		Resets the languages and voice menu	-
	Back		-	-
Back			-	-

Load/Save

When loading and saving the settings of the Vocatex, a distinction is made between the "Factory settings" and the "Configuration".

When modifying and saving a setting, take care to check above whether this setting is part of the "Factory settings" or the "Configuration".

Factory settings

The factory settings are the settings that are applied when the reset button on the interface of the Vocatex is pushed. These settings include contrast, brightness, magnification, help, background level, colour, …

It can be useful to adapt the factory settings specifically for a customer:

- To load and apply the current factory settings, select "Load factory setgs."

- To apply the default factory settings, select "Def. fact. setgs."

- To save the current settings as factory settings, select "Save factory setgs."

Modifying the factory settings for a specific customer

When adapting a Vocatex to the needs of a specific customer, follow the following steps:

- Apply the default factory settings (Def. fact. setgs. → Yes). That gives you a clearly defined situation to start from.

- Modify the Vocatex's settings to fit the needs of the customer. You can modify these settings:

  o Through the specific buttons on the interface (brightness, magnification, …).

  o Through the service menu. This can be necessary when a setting is not available on the interface.

- Save the current settings as factory settings: Save factory setgs. → Yes

Loading and saving configuration

The configuration includes the settings of the internal working of the Vocatex, for example: led intensity, connection settings, camera settings, CEC, Logo, …

These settings can be controlled through the Load/Save menu:

- To load and apply the current configuration, select "Load config."

- To apply the default configuration, select "Default config.".

- To save the current settings as configuration, select "Save config."

When the default configuration is applied, the default factory settings are applied as well. This menu item will set all the Vocatex's settings back to its defaults.

When the default configuration is applied, it is not yet saved as configuration. To apply the default configuration permanently, follow these steps:

- Apply the default configuration: Default config. → Yes

- Save the current settings as configuration: Save config → Yes

Resolution X/Y *

The default resolution of the HD system's video output is 1280 x 720 pixels. This represents a 16:9 aspect ratio.

When this video format is shown on a 16:10 display, the image will be stretched vertically and the aspect the image is deformed. This can be annoying in some situations.

With the "Resolution X" and "Resolution Y" settings in the service menu, it is possible to have the Vocatex output a different resolution that matches the aspect ratio of the display better.

Changing the resolution of the video signal should be done with extreme care, as an incorrect setting might corrupt the display. Changing the resolution is for experts only.

Some notes:

- To display a 16:9 image on a 16:10 display without stretching our black bars, the horizontal resolution of the output signal should be reduced.

- For a 16:10 display, the theoretical ideal resolution would be 1152x720 pixels. However, to have a perfect aspect ratio, the horizontal resolution might need to be slightly different. Therefore, it is advisable to verify the correct aspect ratio by measuring the height and width of a coin on the display.

- Most computer displays will show the resolution of the current input signal in their menu.

- When changing the resolution of the output in the service menu, the result on the display might not be immediately correctly visible. Therefore it is advised to turn the display off and on again after a resolution change to see the full effect.

- Koba Vision does not guarantee that changing the Vocatex's output resolution will lead to good results on any type of display. It has been found to work properly for the following display types:
    - Samsung 206BW
    - Samsung 226BW
    - Samsung Syncmaster 940BF
    - LG L194WT
    - Acer AL1951

CEC Type

To use the Vocatex with a LG display, change the default to LG SimpLink.