

Operating Manual



ShuttlePro

ShuttlePro - the command center for Excalibur

Combines the benefits of an analogue VFO knob with the various options of a Software Defined Receiver: 15 free definable buttons allow direct access to all important settings.

The following description applies to usage of the ShuttlePro together with a Excalibur SDR. Furthermore the ShuttlePro may be used in conjunction with other software applications and units.

Installation:

You will get a prepared script for control of the Excalibur at:

http://www.ssb.de/product_info.php?language=en&info=p1662_Shuttle-Pro-V2.html

You will have to decompress the files after download (using Winzip or Winrar); store them in the same directory that contains the Excalibur Software.

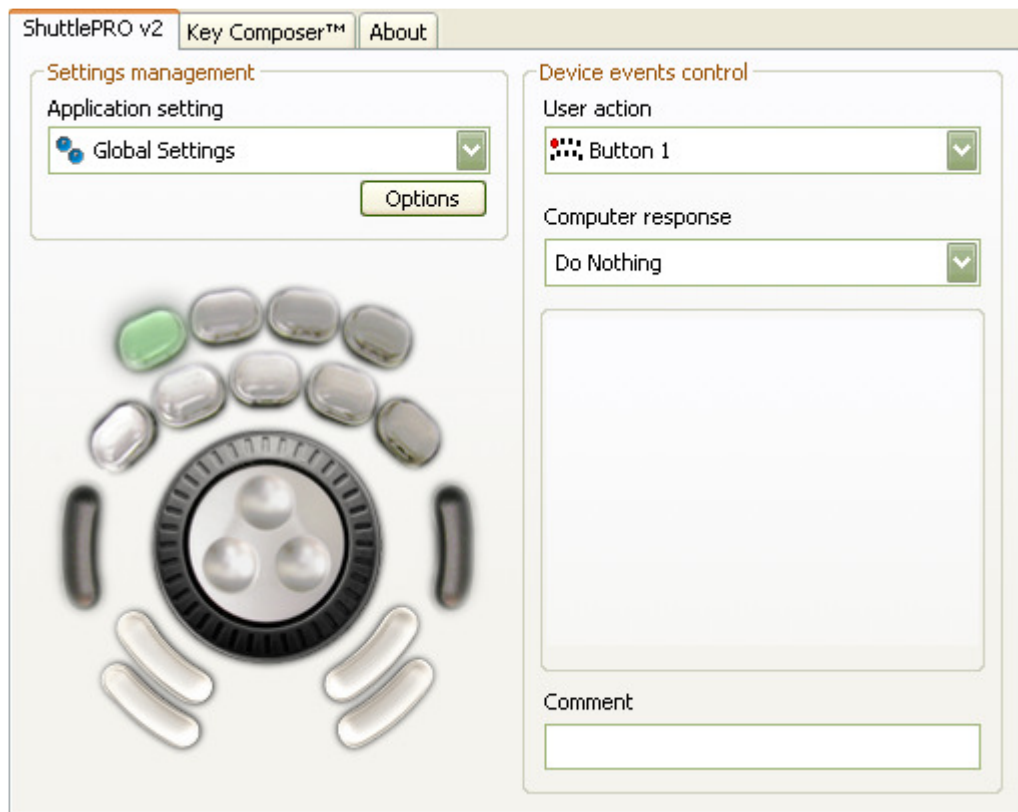
Insert the ShuttlePro Installation-CD in the CD drive and connect your ShuttlePro to a free USB port of your computer. Follow the instructions on the screen.

After finishing the installation open the ShuttlePro Control Panel.

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By clicking the button „Options“ a dialogue window will appear.

Choose the command „Import Settings“.

Now select the path that leads to the Excalibur script by clicking on the directory icons:

Desktop – Drive C – Programs – Winradio – G31DDC – Excalibur.pref.

Finally click on „Open“.

Operation:

Start the Autohotkey program as well as the ShuttlePro Control Panel.

The following presets are available (bold characters correspond to the particular shortcut in the ShuttlePro Control Panel).

Upper bank of buttons:

Mute – Attenuator-Automatic – AGC – MVC

Second bank of buttons:

AM – **S**AM – CW – LSB – **U**SB

Jog Wheel (rubberized knob)

Frequency tuning +- with 7 tuning steps/-speeds

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Inner Wheel
 Black button left
 Black button right
 Inner button left
 Outer button left
 Inner button right
 Outer button right

Volume +/-
 Demodulator bandwidth decrease
 Demodulator bandwidth increase
 5 kHz step up (for shortwave)
 5 kHz step down
 9 kHz step up (for mediumwave Europe)
 9 kHz step down

List of Excalibur commands

Keyboard shortcuts

Alt. wideband spectrum	Ctrl S	Attenuator on	Ctrl A	Noise blanker on	Ctrl ö
Alt. DDC spectrum	Ctrl D	Attenuator off	Shift Ctrl A	Noise blanker off	Shift Ctrl ö
Alt. demod spectrum	Ctrl E	Attenuator up	Q	Threshold up	ö
DDC BW up	D	Attenuator down	Shift Q	Threshold down	Shift ö
DDC BW down	Shift D	Attenuator auto	Ctrl Q	Squelch on	Ctrl L
Set DDC BW to 20 kHz	Del	MW filter on	Ctrl W	Squelch off	Shift Ctrl L
Set DDC BW to 100 kHz	End	MW filter off	Shift Ctrl W	Squelch level on	Ctrl H
Set DDC BW to 1 MHz	PgDn	Audio filter on	Ctrl F	Squelch level off	Shift Ctrl H
Select RX1	Ctrl 1	Audio filter off	Shift Ctrl F	Squelch level up	H
Select RX2	Ctrl 2	Filter low up	ß	Squelch level down	Shift H
Select RX3	Ctrl 3	Filter low down	Shift ß	Squelch noise on	Ctrl O
Demod BW preset up	Ctrl B	Filter high up	'	Squelch noise off	Shift Ctrl O
Demod BW preset down	Shift Ctrl B	Filter high down	Shift '	Squelch noise up	O
Decrement demod BW	Shift B	De-emphasis up	^	Squelch noise down	Shift O
Increment demod BW	B	De-emphasis down	Shift ^	Squelch voice on	Ctrl V
Step 5kHz up	,	Audio gain up	-	Squelch voice off	Shift Ctrl V
Step 5 kHz down	Shift ,	Audio gain down	+	Squelch voice up	V
Step 9 kHz up	.	AGC on	Ctrl G	Squelch voice down	Shift V
Step 9 kHz down	Shift .	AGC slow	T	Mix on	Ins
Step 10 kHz up	#	AGC medium	Shift T	Mix off	Shift Ins
Step 10 kHz down	Shift #	AGC fast	Ctrl T	Left on	Home
Set AM mode	A	AGC off (man. gain)	Shift Ctrl T	Left off	Shift Home
Set AMS mode	S	Manual gain up	G	Right on	PgUp
Set LSB mode	L	Manual gain down	Shift G	Right off	Shift PgUp
Set USB mode	U	Notch on	Ctrl N	Start DDC recording	Ctrl ü
Set CW mode	C	Notch off	Shift Ctrl N	Stop DDC recording	ü
Set FM mode	F	Notch freq up	N	Start DDC playback	Shift ü
Set DRM mode	R	Notch freq down	Shift N	Start audio recording	Ctrl ä
Set FSK mode	K	Notch width up	M	Stop audio recording	ä
Mute on/off	Ctrl M	Notch width down	Shift M	Start audio playback	Shift ä

Default Enable OK Cancel

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On the left the settings for the SAM mode (Synchronous detector) are shown, valid for the green marked button. To change this command, type the desired function in the „Keystroke“ field (e.g. „r“ for DRM). Confirm with „Apply“.

To use the Excalibur-specific commands, the Excalibur window has to have the focus (mark the Excalibur window by one mouse click).

Specifications:

Applicable under Windows 98, 98SE, ME, 2000, XP, Vista, Windows 7
Up-to date drivers can be found here: <http://retail.contourdesign.com/?/products/23>
Free USB Port and 3 MB available disk space;
USB 2.0 (compatible USB 1.1)
Cable length ca. 1,80 m
Dimensions: ca. 11 x 3 x 20 cm, Weight: ca. 200 g

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Content of delivery:

Included in delivery: Shuttle Pro, CD, printed and printable labels
(To insert the labels, lift the transparent covers of the buttons carefully.)



Disposal of your old appliance

This product is covered by the European Community directive 2002/96/EC. 2. All electrical and electronic products should be disposed off separately from the municipal waste stream via designated collection facilities appointed by the government or by the local authorities. The correct disposal of your old appliance will help prevent potential negative consequences for the environment and the human health.

For more detailed information about the disposal of your old appliance, please consult your city office, waste disposal service or the shop where you purchased the product.

Within Germany, above regulations are valid also for disposal of batteries and accumulators accordingly. The WEE-Reg.-Nr. of SSB-Electronic is: DE 60777502



Herewith we declare that the product DCM-2 Converter complies with all relevant regulations for the product within the guidelines 73/23/EWG, 89/336/EWG and 99/5/EG of the Council:

EN 301 489-15 Electromagnetic compatibility and Radio Spectrum Matters (ERM) Electromagnetic Compatibility (EMC) standard for radio equipment and services.

Part 15: specific conditions for commercially available amateur radio equipment.

EN 301 783-1 Electromagnetic compatibility and Radio Spectrum Matters (ERM); Land Mobile Service; commercially available amateur radio equipment.

Part 1: technical characteristics and methods of measurement.

EN 301 783-2 Electromagnetic compatibility and amateur radio equipment.

Part 2: harmonized En covering essential requirements under article 3.2 of the R&TTE Directive EN 60950-1:2001 Information technology equipment - safety.

Part 1: General requirements.

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