1. Open the FDM-S3

Loosen the rear panel. Loosen the 4 screws that secure the rear panel, loosen the 6 nuts of the SMA connectors and remove the 2 screws of the DB9 connector.



Remove the top cover. Once the screws have been loosened, move the rear panel slightly outwards in order to remove the top cover. Attention, the bottom cover will also be free from the frame.



2. Insert the DCM

Remove the RF-IN input cap so as to be able to insert the DCM (DownConverter Module) inside it's housing. Here is a picture of the FDM-S3 open with the Downconverter inside :



The Downconverter must be fixed to the lower panel by means of 4 screws and the 2 tab washers must also be fixed to the field of the RCMM (Reference Clock Manager Module) :



3. Connect the DCM

Regarding connections :

- ensure the DWC-USB 5 wires cable is correctly connected to the RCMM,
- the USB-C cable must be connected between the RCMM and the DCM,
- the SMA bypass must be disconnected, connecting the male SMA connector to the female SMA connector of the Downconverter.



Connect the USB-C cable respecting the direction, as stated by the cable marks.



4. Close the FDM-S3

First try the FDM-S3 and DCM without closing the case (see **5** - **Set and Check FDM-SW2**), only once you have verified its correct operation, close the FDM-S3 proceeding in the opposite direction.

NB: some original Allen screws may be too long to close correctly the FDM-S3, use the ones supplied with the DCM.

5. Set and Check FDM-SW2

Go to the Advanced tab of the Setting Window and set the Downconverter serial number :

tings			_	_		1.00			-	-	
ining Step Preselectors	Tuning	Audio	Graphics	Demod Settings	Remote Ctrl	Advanced	TMates	Station Memory	Recorder/Player	Server	About
Device Configuration FDM-S3, single IQ channel, data rate 24.576 MS, bandwith 19.6608 MHz, fin 122.88MHz, group D											
Show HW Setup Window at Startup Image: Auto-start Demodulation Image: ADC Dither Display Aliasing Frequencies Image: ADC DC Offset Correction Image: ADC DF S											
Downconverter Mode	rter	Load Cor Save Cor	nfig.	Transverter Mod	e verter	Load Confi Save Confi	g.	FDU (2 D			
Frequency Shift (Hz)		80.000.0	000	Frequency Shift	(Hz)	80.000.000	1€1	Enable Downcom	onverter Module	3	
Level Offset (dB)		(<u>^</u> 0,0	Level Offset (dB)	0,0) ⊕ 2	🔽 Serial Number	SLOJ3F	Sear	rch
Swap I/Q				Swap I/Q	Sign +	1 👻		Level Offset (dB) 0,0		
Special Modes	•			oad Config. S	ave Config.	DCM Se	arch	Transmission Transmission	Real Property	×	
IF Tune AM (Hz)	10	.700.000	* *	Swap I/Q Le	vel Offset (dB)	6		1 Found : "SL0J3F"			
IF Tune CW (Hz)	10	.700.000		OR AR8600	trol		Use	DCM with Serial N	lumber "SL0J3F" ?		
IF Tune USB (Hz)	10 10	.700.000 .700.000	A V	Serial Port	Baudra	te	Ye	es N	lo Ca	ancel	
IF Tune WFM (Hz)	10	.700.000	×							_	

If the Downconverter is working correctly (above 108MHz), "DCM" is displayed to the right of the S3 serial number, like this :



DCM and FDM-S3 details may be checked in the About tab, use the "Copy Info" button to send us detailed in case of any issue.

Settings			-	-	210				- 0			2
Tuning Step	Preselectors	Tuning	Audio	Graphics	Demod Settings	Remote Ctrl	Advanced	TMates	Station Memory	Recorder/Player	Server	About
EL	AD	ELAD FDM-SW2 Version 3.49.14 FDM-S3 Hardware 4.0 Firmware 1.8 Serial Number SK0CK3 RCMM Hardware 1.5 Firmware 4.3 Serial Number SL05PP-S DCM Hardware 1.3 Firmware 1.5 Serial Number SL0J3F DLL Used: ExtlOmc_ELAD_FDMS3_v1_10_1_0.dll 122.88MHz/98.304MHz variable system clock oscillator for group A, group B implementations										
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