

25. April 2016

Dear Participant, you should try to get as many parts as possible at your local vendors. The only thing you do not get elsewhere is Position 1. If it is not possible for you to get all of the other necessary parts in your region/country, we or anybody else can buy the parts here in Germany and forward them to you. This concerns especially the filter option, the housing, and the ferrite rod antennas.

Please note that System Blue is a kit. Some parts still need to be soldered. You should definitely have some experiences with soldering. If not, the kit should be assembled by friends of you.

Order List - Basic Set - PCB 20 = PCB 19 + PCB 16 + PCB 18

No.	Vendor	Part No	Description	Quantity	Price	Total
1	Blitzortung	PCB 20	PCB 19 + PCB 16 + PCB 17, Boards with soldered SMD parts	1	160,00 €	160,00 €
2	Mouser Electronics	DA103C	Transformer - Murata Power Solutions	3	2,00 €	6,00 €
3	Mouser Electronics	LHL08TB332J	Inductor - 3.3 mH - Taiyo Yuden	2	0,50 €	1,00 €
4	Reichelt Elektronik	USB BWM	USB-B Connector, PCB mounting, 90°	1	0,50 €	0,50 €
5	Reichelt Elektronik	SL 1x36G 2,54	1x4 & 1x5 Header, stright, Pitch 2,54	1	0,15 €	0,15 €
6	Reichelt Elektronik	SL 2X36G 2,54	2x3 Header, stright, Pitch 2,54	1	0,10 €	0,10 €
7	Reichelt Elektronik	SUMMER EPM 121	Piezo Audio Indicator	1	0,80 €	0,80 €
8	Reichelt Elektronik	AKL 101-02	Header 2-pin, Pitch 5,08	1	0,40 €	0,40 €
9	Reichelt Elektronik	AKL 059-03	Header 3-pin, Pitch 3,5	1	0,40 €	0,40 €
10	Reichelt Elektronik	AKL 059-06	Header 6-pin, Pitch 3,5	1	0,80 €	0,80 €
11	Reichelt Elektronik	JUMPER 2,54 SW	Jumper, Pitch 2,54	2	0,10 €	0,20 €
12	Reichelt Elektronik	8,0000-HC49U-S	Crystals, 8,0000000 MHz	1	0,30 €	0,30 €
13	Reichelt Elektronik	25,0000-HC49U-S	Crystals, 25,0000000 MHz	1	0,30 €	0,30 €
14	Reichelt Elektronik	TASTER 3301	Pushbutton 6x6mm, height: 4,3mm, 12V, vertical	3	0,20 €	0,60 €
15	CSD-electronics		RJ45 Modular Connector	2	1,00 €	2,00 €
16	Various Vendors / eBay		HanRun RJ45 connector with integrated magnetics	1	2,00 €	2,00 €
17	CSD-electronics		F-Connector, PCB mounting	2	1,00 €	2,00 €
18	Various Vendors / eBay		SMA Connector, PCB mounting, 90°	1	2,00 €	2,00 €
						179,55 €

You should try to build your own loop antennas. If you do not have the possibility to place a coaxial antenna, frame antenna, or loop antenna in your garden you can also use our ferrite rod antennas.

Order List - Ferrite Rod Antennas

No.	Vendor	Part No	Description	Quantity	Price	Total price
19	Friese Ectronics	SKS200/10N	Ferrite Rod Antennas - 20cm	2	20,00 €	40,00 €

The following filter option is not mandatory. The SMA connectors are only necessary if the signal should be monitored, for example, with an Oscilloscop or with a PC for computing a spectrum. It is also possible to solder only one filter IC for one channel.

Order List - Filter Option for PCB 19

No.	Vendor	Part No	Description	Quantity	Price	Total
20	Various Vendors / eBay		SMA Connector, PCB mounting, straight	8	2,00 €	16,00 €
21	RS Components GmbH	LTC1569CS8-7#PBF	Lowpass Filter 10th Ordnung 300kHz, SOIC 8-Pin	4	12,00 €	48,00 €
						64,00 €

The following housing option is also not mandatory. The layout files for the front and back pannel are also available for download, see Project Area -> Compendium.

Order List - Housing for PCB 19

No.	Vendor	Part No	Description	Quantity	Price	Total
22	Richard Wöhr GmbH	Alu-Primus LP130/H50	Aluminum profile housing	1	20,00 €	20,00 €
23	Blitzortung.org		Aluminum front pannel	1	20,00 €	20,00 €
24	Blitzortung.org		Aluminum back pannel	1	20,00 €	20,00 €
25	Reichelt Elektronik	LED 3MM RT	LED 3mm red	3	0,10 €	0,30 €
26	Reichelt Elektronik	LED 3MM GN	LED 3mm green	2	0,10 €	0,20 €
27	Reichelt Elektronik	LED 3MM GE	LED 3mm yellow	1	0,10 €	0,10 €
28	Reichelt Elektronik	LED 3MM BL	LED 3mm blue	1	0,30 €	0,30 €
29	Mouser Electronics	18311107 1901.1103	Rocker Switches ROCKER ON/OFF SWITCH SPST	1	2,00 €	2,00 €
30	Reichelt Elektronik	GF 61	Elastic adhesive feet, Ø12,7x3,5mm	4	0,10 €	0,40 €
						63,30 €

Additionally, you need an external GPS antenna (SMA, 3,6 Volt), a USB power supply, and connection cables.

You can pay by money transfer or by PayPal. You have to add 2% if you want to pay by PayPal. Please pay always in Euro.

The prices do not include the shipping. To keep the price as low as possible, we usually ship a weight up to 1kg as registered mail by Deutsche Post for 11 Euro world wide except to Germany. Note that you may have to pay customs.

If you prefer shipping by DHL or if you order from Germany, you can buy a forwarding label at www.dhl.de/en.html and send us the pdf file. Choose your country, a weight of up to 5kg with tracking and an insurance of up to 500 Euro. See the screendump below.

You can use my return address from http://en.blitzortung.org/contact.php#contribution_6

Produkte

Zielland Ihrer Sendung Vereinigte Staaten von Amerika (USA) ▾

<input type="radio"/>	Päckchen bis 2 kg (max. L+B+H=90 cm, keine Seite > 60cm)	?	15,79 EUR
<input checked="" type="radio"/>	Paket bis 5 kg (max. 120 x 60 x 60cm)	?	34,99 EUR
<input type="radio"/>	Paket bis 10 kg (max. 120 x 60 x 60cm)	?	48,99 EUR
<input type="radio"/>	Paket bis 20 kg (max. 120 x 60 x 60cm)	?	68,99 EUR
<input type="radio"/>	Paket bis 31,5 kg (max. 120 x 60 x 60cm)	?	94,99 EUR

Alle Preise sind Endpreise und nach UStG umsatzsteuerfrei.

Please note: Blitzortung.org is a community of volunteers with noncommercial interests. We make no contracts. Since most of the users have no possibility to get the material in some countries, we spend our free time to buy the necessary parts here in Germany, pack them into a parcel, and ship it to you. We do all this just as a favor, there is no extra charge. Since we are no salesmen, we send no invoices for the material and service (only on occasional exception, if the users will recover the appropriate amount via official channels). We can not include the invoices we get from our local vendors, because these invoices are for the parts for several kits.