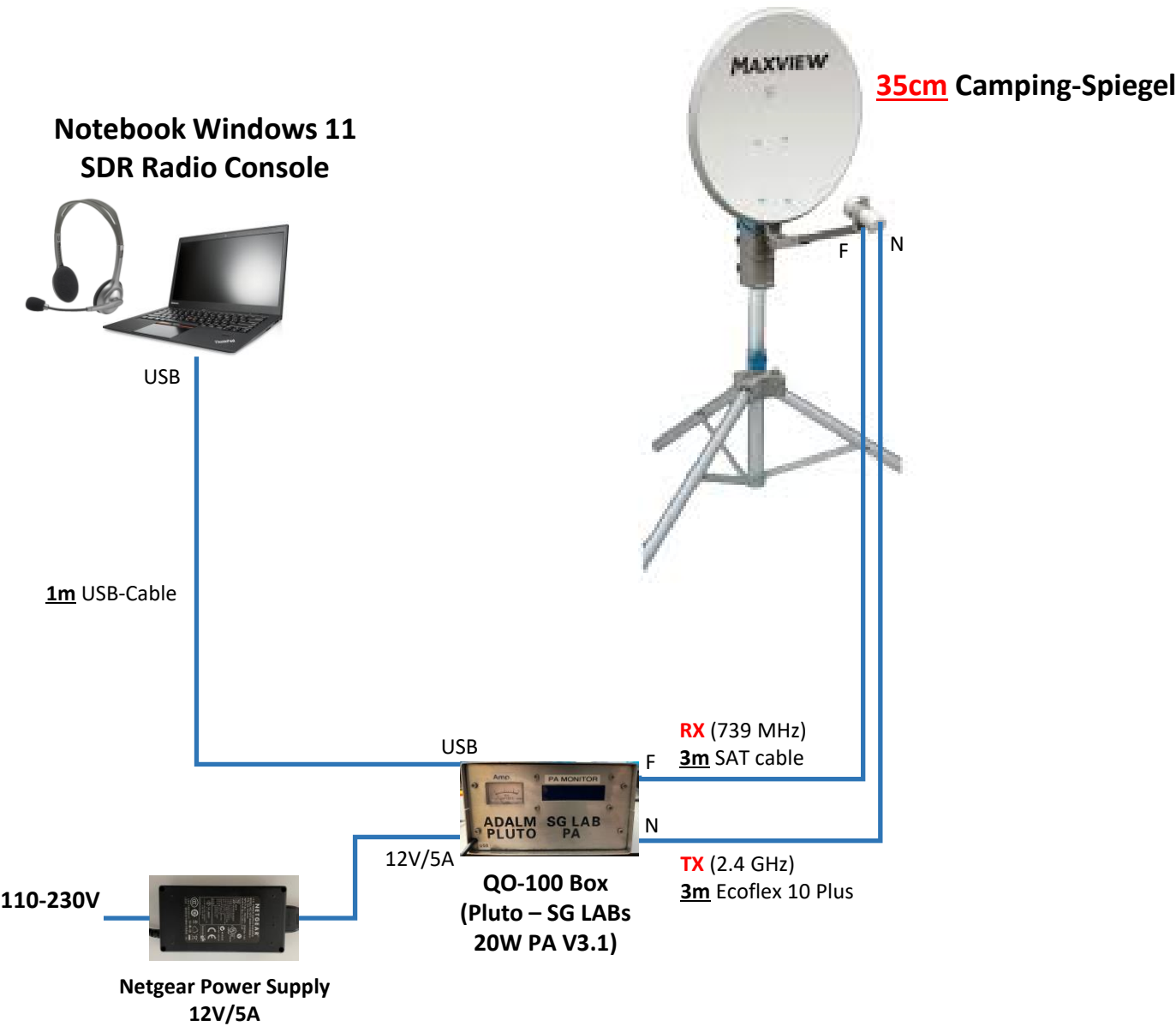


Portable QO-100 SAT-Station mit 35cm Camping Spiegel, Pluto SDR und PA Monitor



Modified LNB 0.2 PPM with
POTY Antenna



85cm Dish = Beacon with 33dB
35cm Dish = Beacon with 30dB

HB9RYZ www.hb9ryz.ch 19.9.2022

USB

Notebook
Windows 11
SDR Radio
Console

modifizierter LNB mit POTY

N-Plug	F-Plug
2.4 GHz (TX)	739 MHz (RX)

3m Ecoflex 10
Plus
(22.42dB/100m
at 2.4 GHz

T N-Plug

3m SAT Low-Loss
Cable F-to-F
(75 Ohm)
(20.5dB/100m)
at 1 GHz

QO-100 Alu-Case

Cooling FAN (12V)

Temp
Sensor

SG Labs 2.4 GHz 20W Power Amplifier V3.1 PTT

**Input
max 50mW
(17dBm)**

**TCXO
modified
Pluto SDR in
metal case by
DG9BFC**

PA-Driver
TQP 3M9008

PA Monitor

von DC5ZM

S

N-Plug

RF Bias Tee 10MHz-6GHz

Blocking Filter

DC-DC Converter
12V to 24 (150W peak)

AC: 24V $24V/1.5A = 15W$, $28V = 20W$

12V

+12V Input

USB (Micro)

5V

RX

TX
1mW

SMA

3

5V/85mA

12V 
DC-DC 12V
to 5V Converter (3A)

12V

**Old Netgear
Power Supply,
12V Battery or
from the Car**



**Netgear
Power
Supply
12V/5A**

