# DUR-*line*<sup>®</sup> SF 4000 BT - Satfinder

## Quick start guide

- Test receiver for DVB-S/S2 signals
- 8 Pre-programmed satellites (editable)
- Recognises the selected satellite
   Bluetooth interface
- Free app for additional functions

This is only a quick start guide!

Please also read the detailed instruction manual!

### Video tutorial:

A video tutorial is available to view on YouTube. Scan the QR code adjacent: **or** 

In the YouTube search bar enter: "DUR-line SF 4000 BT"

## Service

#### Dear customer,

<u>Overview</u>

Thank you for choosing this high-quality product. Please do not assume that the device is defective if your product does not immediately function as you would expect.

Please do not immediately send back the device. Contact us and DO NOT write a poo review. The device is in complete working order.

Support: support@durline.de / Tel. +49 (0)7721-94646-10 Troubleshooting: see operating instructions page 10 See the reverse side for instructions on how to align the antenna

DUR-line" SF 4000 BT

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## Download App

The "DUR-line Finder" app is not required to use the Satfinder. The scope of features is however expanded.



Finder S2-20035C(035C)

On your smartphone, open the App Store. Enter "**DUR-line Finder**" as a search term or scan the QR code:

The "DUR-line Finder" app should then appear and can be installed for free.





Download the "DUR-line Finder" app

# Using the app

*i* **DO NOT** link the Satfinder via Bluetooth! Only open the app!

Start the app:

- 1. After downloading the app, select the "DUR-line Finder" icon.
- 2. Click "Scan" to search using the Satfinder.
- Click on the detected Satfinder listed.



App Store

#### App "Find" tab

Modifications are required here if searching for a very specific satellite/transponder! (Further expertise required!) A satellite, the LNB oscillator

frequency and a transponder can be selected

from the extensive drop-down menu (click on the down arrow). You can manually enter data or add to the list using "Edit" or "Add".

Manual available to download in other languages:



vww.durline.de/qr/manual/sf2500pro.htm

You Tube

DUR-line*		Finde			8	
Satellit Astra 1KR/1L/1M/1N (19.2E Ku-band) ~						
L <sub>C/N:</sub>		12.7dB				
0	10	3	10	30	40	
LEV	EL:	64.7dBuV				
0	20	40	60	80	100	
MER	<b>२</b> :	12.3dB				
0	10	-	10	30	40	
BER:		<1.00E-7			- 1	
C -7	-6	-5 Q	IF -3	-2	-1	
Signal					64%	
Fin	de	TP Eins	tellungen	Einste	llungen	

App "Find" => "More" tab: C/N: Level spacing from desired signal and background noises – Higher is better LEVEL: Level in dBμV – Higher is

better

MER: Modulation error rate –

Higher is better

BER: Bit error rate - lower is better

# Outward TP Einstellungen Image: Comparison of the comparison of

App "TP Settings" tab:
 The stored transponders

 are displayed here.
 These can be overwritten and saved
 on the Satfinder with "Confirm".
 Four transponders (TP1 to TP4)
 can be assigned
 to each satellite.

# Pre-programmed satellites

Satellites (editable):

SAT 1	Astra 19.2° E	SAT 5
SAT 2	Hotbird 13° E	SAT 6
SAT 3	Amos 4° W	SAT 7
SAT 4	Astra 4A 5° E (Sirius)	SAT 8

AT 5	Türksat 42° E
AT 6	Eutelsat 16° E
AT 7	Astra 23.5° E
AT 8	Astra 28.2° E

The following satellites are already saved on the Satfinder in the 8 different positions. (Pro "SAT" position = 4 different transponders)

DuraSat 💕

DURA-SAT GmbH & Co.KG Unterer Dammweg 6/1 78050 VS-Villingen, Germany WEEE reg. no.: DE 88896400 *www.durline.de*  Subject to changes and printing errors. May only be copied and reproduced with the permission of Dura-Sat GmbH. Version dated 09/19



- 2.4 Selecting desired satellites on the Satfinder (if necessary, press "SAT" button) 8 satellites are pre-programmed. By pressing the "SAT" key, the next "SAT" position is selected (LED1-8). On the reverse side of the Satfinder there is a mapping of SAT positions and satellite names. Astra 19.2° is activated on start-up.
  - Depending on the LNB type and its amplification offset, it may be the case that up to 4 STRENGTH LEDs are already illuminated even though a satellite has not been located.

# **3** Adjust the satellite dish more precisely

3.1 CAREFULLY turn the satellite dish left and right – take into account the LED display and buzzer volume Turn SLOWLY

When the antenna is roughly aligned, and a satellite is received, the STRENGTH LEDs will illuminate. The more illuminated LEDs, the stronger the signal is.

When the QUALITY LEDs also illuminate, the correct satellite is received. When only the STRENGTH LEDs illuminate, the incorrect satellite has been located.

- 3.2 Carefully turn AND tilt the antenna until you have moved it into the optimum position If <u>STRENGTH cannot be further enhanced</u> and <u>all QUALITY LEDs</u> are illuminated, the antenna is optimally aligned.
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Depending on the antenna size it is possible that not all STRENGTH LEDs illuminate. This is normal, as for very large antennae reserves must be available.

On the contrary, all the QUALITY LEDs should illuminate when the antenna is optimally aligned!

3.3 LNB Skew optimisation

It is often possible to slightly increase the signal strength/quality by turning its retaining clamp in small increments.





# 4 Check the TV picture and also remove the Satfinder

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- The Satfinder does not feed the signal through to the TV! That is to say no TV picture with an interconnected Satfinder!
- 4.1 Disconnecting the receiver/power supply and removing Satfinder Initially, disconnect the power supply from the mains in order to avoid short circuits, then remove the Satfinder from the signal path.
- **4.2 Check the picture of a number of channels on your TV** (if necessary, start a channel search)
- 4.3 Fasten the satellite dish clockwise Finally, connect the supply cable to the LNB - job done.