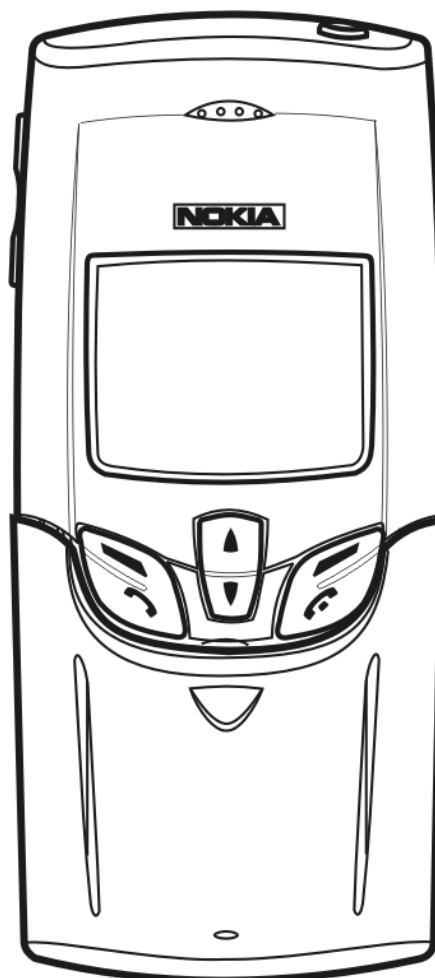


PAMS Technical Documentation

NSM-4 Series Transceivers

General Information



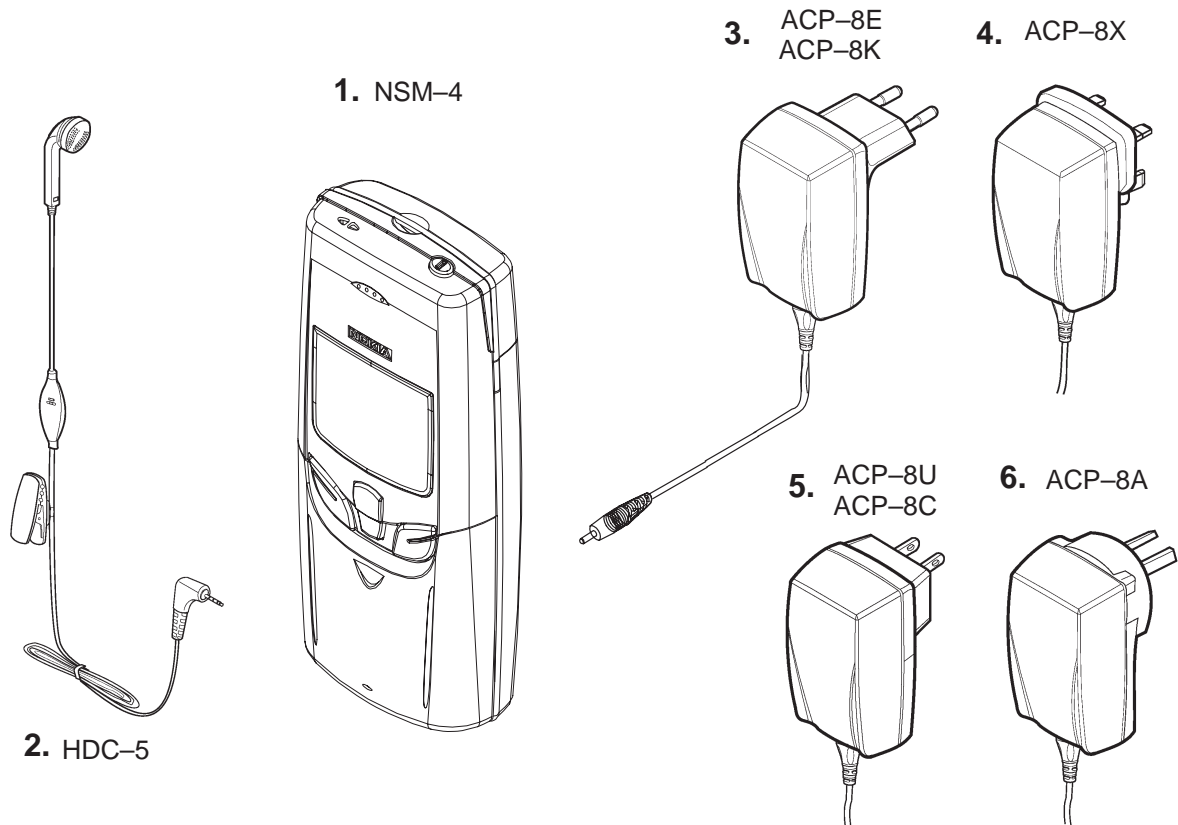
CONTENTS

The Product 3
 Handportable 3
 Desktop Option 4
Product and Accessory List 5
General Specifications of Transceiver NSM-4 6

The Product

The NSM-4 is a dual band handportable mobile telephone for the E-GSM 900 and GSM1800 networks. It is both GSM900 phase 2 power class 4 transceiver (2W) and GSM1800 power class 1 (1W) transceiver.

Handportable



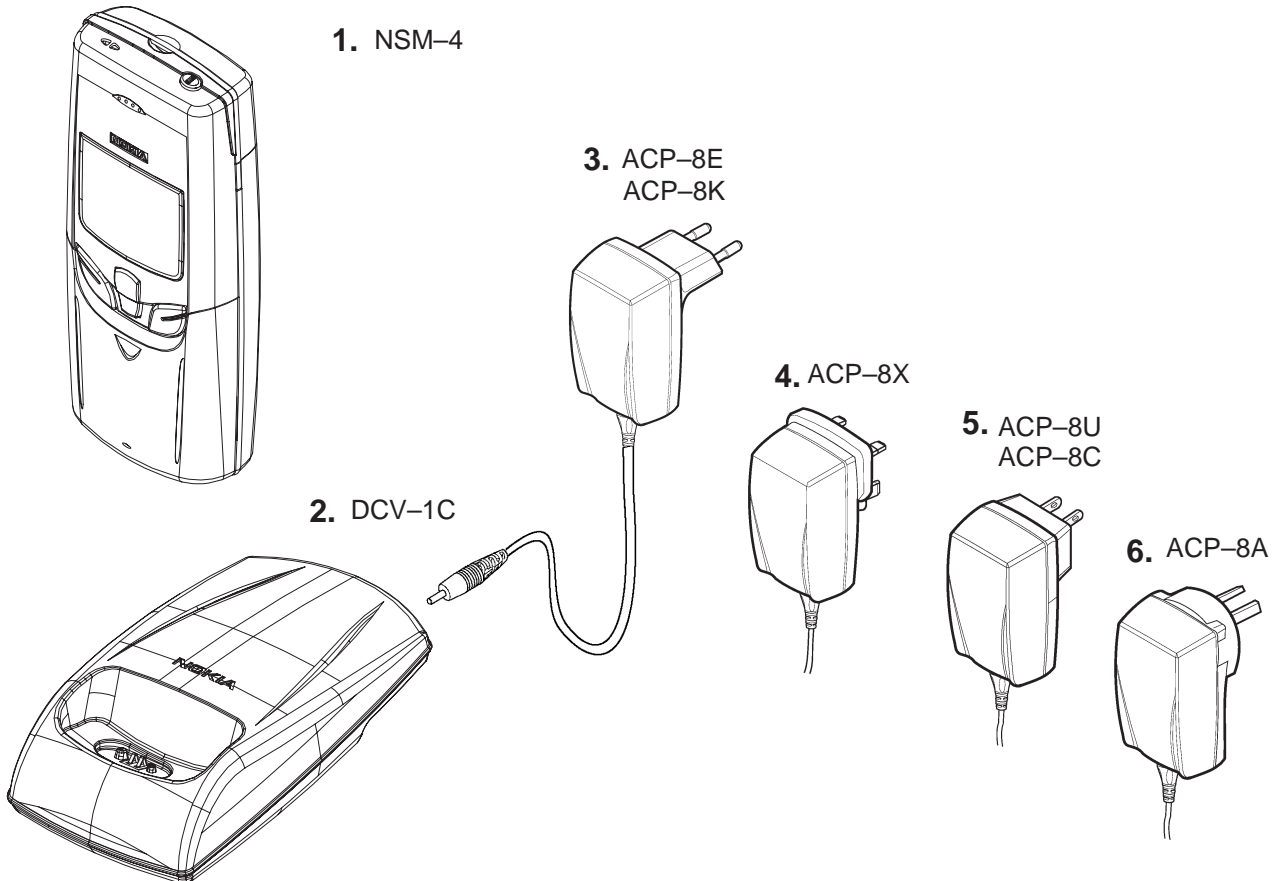
Item Name:

Type code:

- | | |
|---|---|
| <ul style="list-style-type: none"> 1. Transceiver
Standard battery Li-ion 2. Headset 3. Travel Charger Euro plug 90-264 Vac
Travel Charger Korea plug 90-264 Vac 4. Travel Charger UK plug 90-264 Vac 5. Travel Charger US plug 90-264 Vac
Travel Charger China plug 90-264 Vac 6. Travel Charger Australia plug 90-264 Vac | <p>See Product Variants</p> <p>BLB-3</p> <p>HDC-5</p> <p>ACP-8E</p> <p>ACP-8K</p> <p>ACP-8X</p> <p>ACP-8U</p> <p>ACP-8C</p> <p>ACP-8A</p> |
|---|---|

Desktop Option

The desktop option allows the user to charge the phone from the mains. Besides these chargers also ACP-7 can be used.



Item Name:

Type code:

1. Transceiver	See Product Variants
2. Desk Stand	DCV-1C
3. Travel Charger Euro plug 90-264 Vac	ACP-8E
Travel Charger Korea plug 90-264 Vac	ACP-8K
4. Travel Charger UK plug 90-264 Vac	ACP-8X
5. Travel Charger US plug 90-264 Vac	ACP-8U
Travel Charger China plug 90-264 Vac	ACP-8C
6. Travel Charger Australia plug 90-264 Vac	ACP-8A

Product and Accessory List

Unit/type:
NSM-4 Transceiver
BLB-3 Standard Battery Li-ion 1000 mAh
ACP-8E Travel Charger (EUR) 90-264 Vac
ACP-8K Travel Charger (Korea) 90-264 Vac
ACP-8X Travel Charger (UK) 90-264 Vac
ACP-8U Travel Charger (US) 90-264 Vac
ACP-8C Travel Charger (China) 90-264 Vac
ACP-8A Travel Charger (Australia) 90-264 Vac
LCH-9 Mobile Charger
DDC-1 Battery Charging Stand
DCV-1C Desktop Stand
HDC-5 Headset
HDE-2 Headset
HDR-1 Music Player
LPS-3 Loopset
CBK-9A Carrying Case
SSK-3 Carrying Strap

General Specifications of Transceiver NSM-4

Parameter	Unit
Cellular system	GSM900 and GSM1800
RX frequency band	EGSM: 925 ... 935 MHz GSM900 935 ... 960 MHz GSM1800 1805 ... 1880 MHz
TX frequency band	EGSM 880 ... 890 MHz GSM900 890 ... 915 MHz GSM1800 1710 ... 1785 MHz
Output power	GSM900 * +5 ...+33 dBm / 3.2 mW ... 2 W GSM1800 +0 ...+30 dBm / 1.0 mW ... 1 W
Duplex spacing	GSM900 * 45 MHz GSM1800 95 MHz
Number of RF channels	EGSM 50 GSM900 124 GSM1800 374
Channel spacing	200 kHz
Number of TX power levels	GSM900 * 15 GSM1800 16
Sensitivity, static channel	GSM900: -102 dBm GSM1800: -102 dBm
Frequency error, static channel	< 0.1 ppm
RMS phase error	< 5.0 °
Peak phase error	< 20.0 °

*) applies also to EGSM