

# CCS Technical Documentation

## RH-9 Series Transceivers

### General Information



## Table of Contents

	Page No
The Product .....	3
Handportable .....	4
Desktop Option .....	5
Product and Module List .....	7
General Specifications of Transceiver RH-9 .....	8

## List of Figures

	Page No
Fig 1 Handportable .....	3
Fig 2 Desktop option.....	4

## The Product

The RH-9 is a dual band handportable mobile telephone for the E-GSM 900 and GSM 1800 networks. It is both a GSM900 power class 4 transceiver (2W) and a GSM 1800 power class 1 (1W) transceiver based on GSM phase 2 + specification.

The main transceiver features are:

- WAP over GPRS
- Polyphonic ringing tones
- MMS send & receive, forward
- Enhanced gaming concept (new games, polyphonic sounds), pre-installed Java games
- Full graphic display in colour
- Plug-in SIM card below the back cover of the phone
- Jack style UI with two soft keys
- active cover output
- changeable A and B covers

## Handportable

Figure 1: Handportable

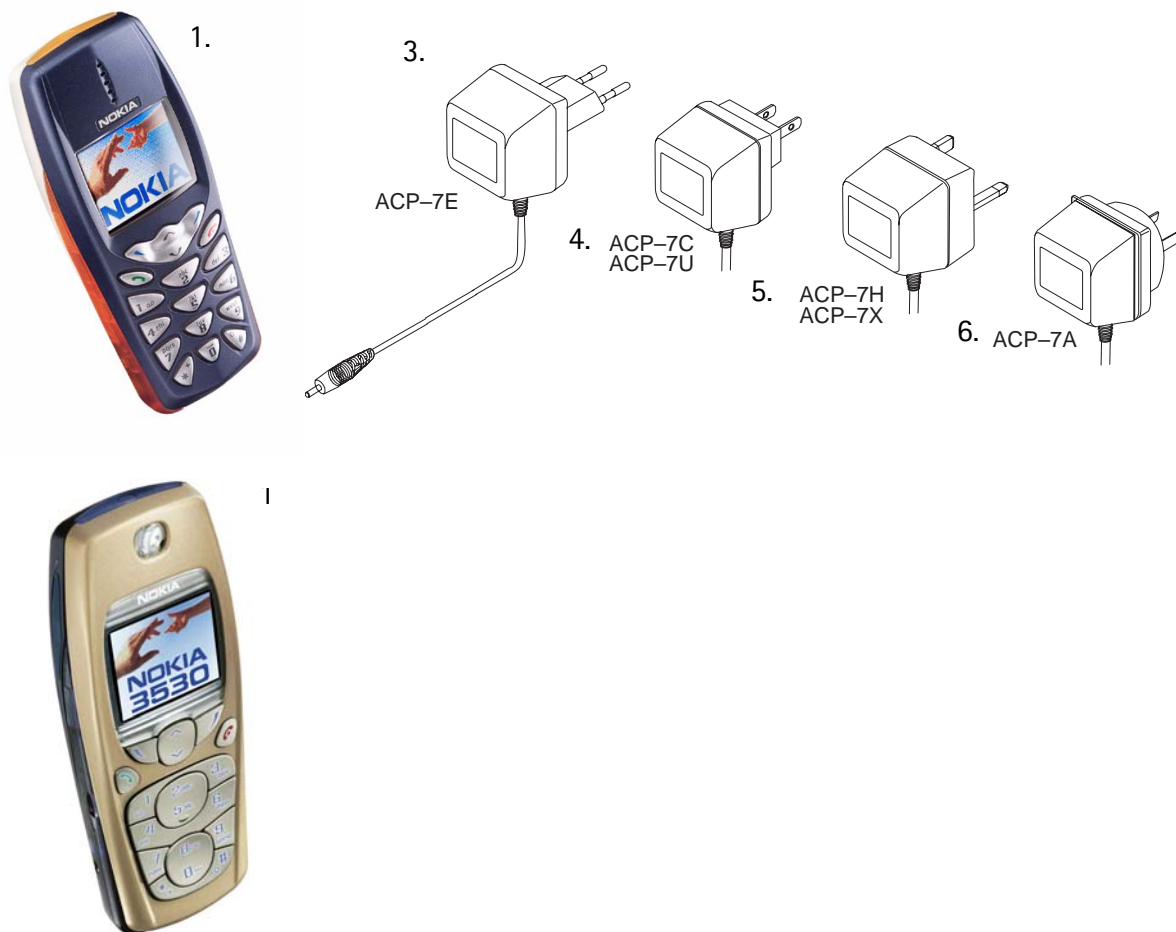


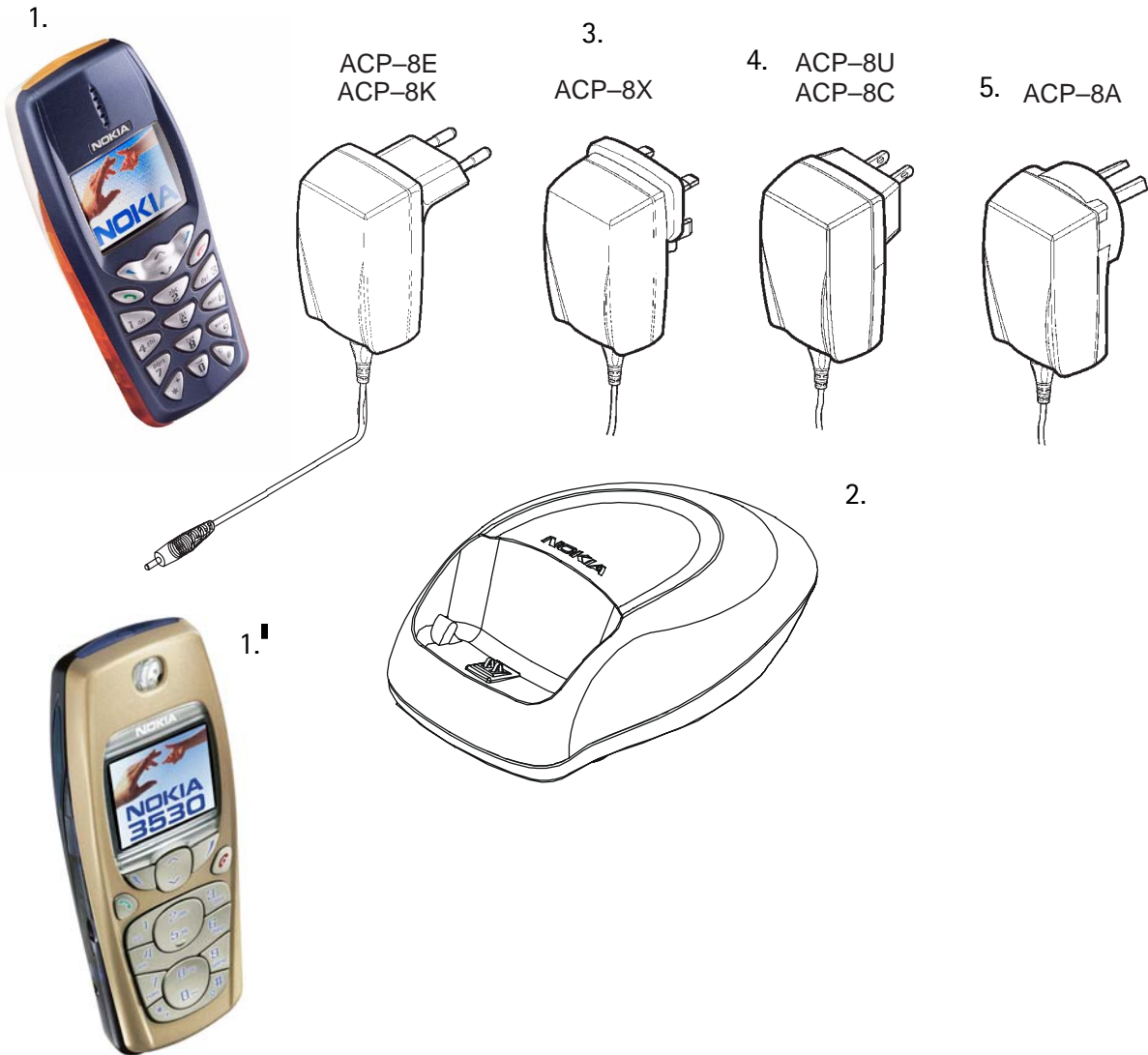
Table 1: Handportables and chargers

Item	Name	Type code	Material code
1	Transceiver	See product variants	
	Standard battery Li-ion	BLC-2	0670279 0670358 0670333
3	StandardCharger (Euro plug) 207-253 Vac (Made in)	ACP-7E	0675144
4	StandardCharger (USplug) 108-132 Vac	ACP-7U	0675172
	StandardCharger (USplug) 198-242 Vac	ACP-7C	0675212
5	StandardCharger (UK plug) 207-253 Vac	ACP-7X	0675145
	StandardCharger (UK plug) 180-220 Vac	ACP-7H	0675146
6	StandardCharger (Australia plug) 216-264 Vac	ACP-7A	0675148
7	Travel Charger Europe	ACP-8E	0675195
8	Travel Charger, US	ACP-8U	0675196
9	StandardCharger (Euro plug) 207-253 Vac (Made by)	ACP-7E	0675171

**Desktop Option**

The desktop option allows the user to charge the phone from the mains. In addition to these optional chargers, all variants of the ACP-7 and ACP-8 chargers can be used.

**Figure 2: Desktop option**



**Table 2: Desktop options**

Item	Name:	Type Code:	Material Code:
1.	Transceiver (See Product Variants)	See Product Variants	
2	Desk stand (English type label) Desk stand (Chinese type label)	DCV-10	0675229 0675249
3	Travel Charger (UK plug) 90-264 Vac	ACP-8X	0675197
4	Travel Charger (Made by Nokia) Travel Charger (China plug) 90-264 Vac	ACP-8U ACP-8C	0675269 0675211
5	Travel Charger (Australia plug) 90-264 Vac	ACP-8A	0675214

Item	Name:	Type Code:	Material Code:
6	Travel Charger	ACP-12E	0675294
	Travel Charger	ACP-12X	0675296
	Travel Charger	ACP-12U	0675303
	Travel Charger	ACP-12UB	0675293
	Travel Charger	ACP-12G	0675295
	Travel Charger	ACP-12C	0675297
	Travel Charger	ACP-12A	0675300
	Travel Charger	ACP-12AR	0675298

## Product and Module List

**Table 3: Product and module list**

Unit/type	Product code
RH-9 Transceiver	See Product Variants
BLC-2 Standard Battery Li-ion	0670279 0670358 0670333
ACP-7E Standard Charger (EUR) 207-253 Vac	0675144
ACP-7U Standard Charger (US) 108-132 Vac	0675143
ACP-7C Standard Charger (US) 198-242 Vac	0675158
ACP-7X Standard Charger (UK) 207-253 Vac	0675145
ACP-7H Standard Charger (UK) 180-220 Vac	0675146
ACP-7A Standard Charger (AUS) 216-264 Vac	0675148
ACP-8E Travel Charger (EUR) 90-264 Vac	0272169
ACP-8K Travel Charger (Korea) 90-264 Vac	0273111
ACP-8X Travel Charger (UK) 90-264 Vac	0272172
ACP-8U Travel Charger (US) 90-264 Vac	0675196
ACP-8C Travel Charger (China) 90-264 Vac	0675211
ACP-8A Travel Charger (Australia) 90-264 Vac	0271637
ACP-12E Travel Charger	0675294
ACP-12X Travel Charger	0675296
ACP-12U Travel Charger	0675303
ACP-12UB Travel Charger	0675293
ACP-12G Travel Charger	0675295
ACP-12C Travel Charger	0675297
ACP-12A Travel Charger	0675300
ACP-12AR Travel Charger	0675298
LCH-9 Mobile Charger	0675120
PPH-1 Plug-in HF Car Kit	0272170
MBC-6 Mobile Holder	0650026
HHS-9 Swivel Mount	0620037
DDC-1 Battery Charging Stand	0675243
HFM-8 HF Microphone	0271503
HDC-5 Headset	0271467
HDE-2 Headset	0694075
LPS-3 Loopset	0272419
DCV-10 Desktop stand	0675229

**Table 3: Product and module list**

Unit/type	Product code
HDR-1 Music Player	0273128
HDB-5 Boom Headset	0694107 0273495
HDD-1 Dual Headset	0694088 0273195
CARK 125	0085179 (E&A) 0085193 (US) 0080381(US) 0085186 (APAC)
CARK 134 Full Car Kit US Retail Pack	0085201 (E&A, APAC) 0080641 (US)

## General Specifications of Transceiver RH-9

**Table 4: RH-9 General Specifications**

Parameter	Unit
Cellular system	E-GSM 900 and GSM 1800
RX frequency band	EGSM: 925 ... 960 MHz GSM 1800: 1805 ... 1880 MHz
TX frequency band	EGSM: 880 ... 915MHz GSM1800: 1710 ... 1785 MHz
Output power	EGSM: +5 ... +33 dBm / 3.2 mW ... 2 W GSM1800: +0 ... +30 dBm / 1.0 mW ... 1 W
Duplex spacing	EGSM: 95 MHz GSM 1800: 95 MHz
Number of RF channels	EGSM: 174 GSM 1800: 374
Channel spacing	200 kHz
Number of TX power levels	EGSM: 15 GSM 1800: 16
Sensitivity, static channel	EGSM: -102 dB GSM 1800: -102 dBm
Frequency error, static channel	< 0.1 ppm
RMS phase error	< 5.0 °
Peak phase error	< 20.0 °



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