

Benefon
EXION
NMT 450i

Pick the most usable!



Quality binoculars. Help you see the signs of civilisation.



Lasting flashlight. Helps you see the signs of civilisation in the dark.

Make a far reaching decision.

Benefon Exion NMT 450i



The world's smallest NMT. Regardless of time and place, helps you let them know that you'll be late for dinner.

BENEFON  **.com**

Benefon Exion is the smallest NMT phone in the world. Its revolutionary Digital Signal Processing (DSP) and Surface Acoustic Wave (SAW) filter technologies have led the way to a completely new integration level. As a full power phone, Benefon Exion is a perfect tool regardless of time and place – radio engineered to strict Benefon standards, with three optional antennas, guarantees optimized network connection even in the most difficult conditions. Benefon Exion's unparalleled reception is supported by various features including the Personal organizer and Vibrating alert.

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Personal Organizer

Calendar, appointment manager with reminders and alarm clock with snooze for organizing your everyday life.

Various features

Vibrating alert, calculator with currency converter, several games... Benefon Exion is a perfect phone for business and for entertainment.

SMS

With Benefon Exion you can send and receive SMS messages.*)

Small and handy

Benefon Exion is the smallest NMT phone in the world – weight 109 grams, length 100 mm.

A Full Power Phone

Benefon Exion has a high output power of 1.2 W. This guarantees a wider operating area and optimized network connection.

DSP

Benefon Exion's revolutionary Digital Signal Processing (DSP) technology, enables minimum size and optimal voice quality.





Accessories

Ensure and improve your communication with genuine Benefon accessories. Both HF car kits and charger are compatible with Benefon Q as well.¹⁾

Plug-in hands-free kit

Easily installable plug-in HF car kit can be moved from one vehicle to another. Echo cancellation through Digital Signal Processing for optimal voice quality while driving.

Hands-free car kit with voice recognition and external antenna

An advanced and sophisticated HF car kit with outstanding voice quality, designed to satisfy the needs of the professional user. The car kit is equipped with a voice dialling function, which includes a phone book capable of holding 40 entries.



Mobile data

Connecting Benefon Exion with Line Interface (LIF) to your PC's modem port, turns your laptop into a mobile office.



Several antenna options

Two helical antennas, standard and short city. Off-road and 1/2-wave antennas specially designed for areas and conditions with poor network coverage.



^{*}) Operator dependable service.

¹⁾ When using Q and Exion with the same HF car kit, a 450/900/1800 antenna is needed.

Technical Data for Benefon Exion



Size 1 : 1

NETWORK STANDARD

NMT 450i
Output power = 1.2 W (full power)

DIMENSIONS

Weight: 109 g (with 900 mAh Lion)
Length: 100 mm
Width: 46 mm
Thickness: 21 mm
Volume: 81 cc

DISPLAY

Full-graphics high-contrast screen
Electro-luminescent lighting
Resolution 100 x 48 pixels
Up to 5 lines of text
Indicators: field strength, battery status, charging, time, date, timers, alarm, key-lock, silent, message, call divert and roaming, voice privacy, mic muting
Graphical icons and scroll bars
Cyrillic alphabets

KEYPAD AND EDITING

Automatic and manual key lock
Full-screen editor
International access (+) function^o
Any-key answering

PERSONAL ORGANIZER

Clock and date
Alarm clock with snooze
Calendar
Calendar appointment manager, with reminders
Phone power-on and off timers

OTHER PHONE FEATURES

Autonomous Power Control
Calculator and currency converter
Several games for entertainment
Personalized ringing melody groups
External antenna connector
Vibrating alert
NMT-pager (DTMF)

CALL MANAGEMENT

One-touch dialling
Last or recent numbers redial (10)
Multiparty calls^o
Calling Line Identification Presentation (CLIP)^o
Caller Line Name Presentation (CLNP)^o
DTMF transmission
Semiautomatic and manual network selection
Optional automatic network selection
Automatic answer with headset and car kit

PHONE BOOK AND MEMORY FUNCTIONS

Supports up to 300 phone book entries
Various ways to scroll or search the phone book memory
Dialled calls (10) list with time or date stamp
Answered calls (10) list with time or date stamp and calling number or name identification
Received DTMF messages (10) with time and date stamp
Unanswered calls (10) list with time or date stamp and calling number or name identification
Access phone book for sending SMS
Pick SMS sender's number for phone book
Show sender number or name (if stored in phone book) as an SMS header
Customized ringing tones for 5 phone book groups

SHORT MESSAGES SERVICE^o (SMS)

Send and receive text messages of up to 160 characters
Time and date stamp for received messages
Answer message
Forward message
Pick sender number from message text
Call SMS sender

SECURITY AND CALL COUNTERS

SIS-security check
Call Timers: last outgoing/incoming calls, all outgoing/incoming calls
Phone lock code
Voice Privacy

TONE CONTROL

40 different ringing tones and melodies for incoming call, alarm, calendar and short messages
Downloadable ringing melody using BeneWin
User-composable ringing melodies using BeneWin
Adjustable ringing tone volume levels, including silent mode
Keypad tone volume levels
Several tone set-ups for different environments

ACCESSORIES

Mains charger
Cigarette lighter charger
Portable hands-free (HF) kit
Digital, full duplex, plug-in HF car kit
Hands Free car kit with voice recognition and external antenna
Car cradle
Belt clip
BeneWin software & editor cable
Carrying case
Line Interface for data transmission
Antenna alternatives:
City
Standard
Off-Road
Super 1/2-wave

BENEWIN

BeneWin PC software:
- Edit and back up phone book memory
- Send and receive SMS messages by using a PC keyboard
- Compose and change ringing melodies with BeneWin Maestro
- Manage phone settings

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Benefon Oyj is an ISO 9001-certified manufacturer and a TQM company.

BATTERIES

Intelligent charging, Battery saving function, Battery change during conversation.

Type	Phone weight	Stand-by operating time	Talk time	Charging times	
				Fast	Normal
Lithium ion 900 mAh	109 g	20 h - 150 h	50 min - 1 h 40 min	1 h 45 min	4 h 30 min
Lithium ion 1200 mAh	125 g	26 h - 200 h	1 h 5 min - 2 h 20 min	2 h 30 min	5 h 30 min

Operating times can vary substantially depending on distance to base station, network settings and network usage.

^o Operator dependent function

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