DragonTECH

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COMBINER | COUPLER | ANTENNA | RF CABLE & CONNECTORS

Unit A, 11F, Wing Hong Centre, 18 Wing Hong St., Kowloon, Hongkong

238, Alameda Dr. Carlos d'Assumpcao, Ed. Praca Kin Heng Long, 20G, Macau

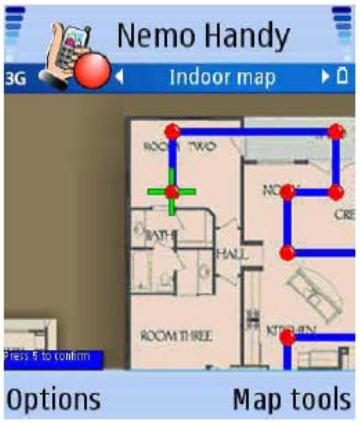
Data sheet

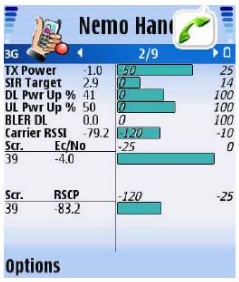
NEMO HANDY™

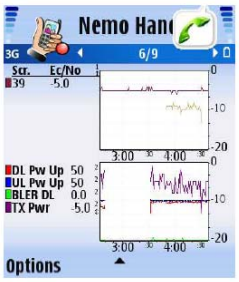
Nemo Handy™ 2.70 for Nokia 6120/6121 is a state-of-the-art handheld tool for testing mobile application QoS/QoE and measuring the air interface of EGSM/GPRS/EDGE/WCDMA/HSDPA wireless networks. Nemo Handy's extensive application testing features are complete with voice and video streaming quality MOS testing, cell and timeslot testing, and full application level metrics on voice and video calls, FTP/HTTP data transfers, HTML/WAP browsing, SMS/MMS messaging, email POP3/SMTP, and ping.

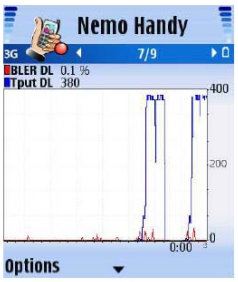
Mobile features

- *Nokia 6120*: WCDMA/HSDPA 850/2100, GSM/EGSM/GPRS/EGPRS 850/900/1800/1900
- *Nokia 6121*: WCDMA/HSDPA 900/2100, GSM/EGSM/ GPRS/EGPRS 850/900/1800/1900
- HSDPA (Category 6: PS UL/DL=384/3.6 Mbits, CS 64 (video calls))
- GPRS/EGPRS (Class B, Multislot class 32): DL/UL=296/177.6 kbps, Timeslots 5+3, max 6
- GSM/EDGE (Simple class A, Multislot class 11, DL/UL: 177.6/ 118.4 kbps)
- DTM (Multislot class 11: DL/UL 118.4/118.4 kbps)
- HR/FR/EFR(GSM)/ AMR(GSM and WCDMA) speech codecs









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Data sheet

WCDMA HandyTrans Transmitter

WCDMA-HandyTrans Transmitter is a compact, portable and easy-operation transmitter for indoor coverage test and propagation model tuning. With the help of WCDMA-HandyTrans Transmitter, best location and network plan will be achieved quickly and accurately.

WCDMA-HandyTrans Transmitter provide a Pilot or a CW signal. The Pilot signal is the same type of signal sent by a WCDMA Base Station and CW signal is in WCDMA band not only Down-Link but also Up-Link.

Before Roll-out of WCDMA network, indoor coverage system will be ready in advance. Verification of these systems working properly, and making modification is quite important for carrier and service provider.

Technical Specifications

Electrical						
Parameter:			Min.	Typ	Max	Unit
RF output power range	CW mode		0	25	27	dBm
	UMTS mode	Overall	0	25	27	dBm
		Pilot power	0	15	27	dBm
Frequency step				200		KHz
Power stability				±0.2	±0.5	dB
Power Accuracy				±0.5	±1	dB
Frequency range: Downlink			2110		2170	MHz
Uplink			1920		1980	MHz
UMTS signal shape			Conformance 3GPP TS 25.104			
Power supply:			Input: 12VDC Battery: Continue working up to 3 hours			
Operating Temperature(Guaranteed Performances)			0		+40	°C
Operating Temperature(Derated Performance)			-10		+55	°C
Mechanical:						
Size:			225 x 200x 82		mm	
Weight:			1.5		kg	
RF connection:			N Type			
Data:			USB			

Optional Carrying Case

Packing

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Data sheet

WCDMA HandyTrans Transmitter

Main Features

- Two Transmitter mode：WCDMA Signal or CW signal;
- In Pilot transmitter mode, signal is comprise of a CPICH(Pilot or Scrambling code),
- PSCH and SSCH; (Default scrambling code is 0)
- Adjustable power output up to 0.5W;
- All control through a menu-driven user interface with touch-button;
- Large and high resolution LCD display show battery and transmitter status;

User Interface

- All settings via face-plate buttons
- Communication interface：USB
- Display：66×33 mm LCD
- On screen：
  - Output power
  - Frequency
  - Transmitter mode
  - Battery

Option

- WPA 25: Power Amplifier, 2110-2170MHz,
- +30 dBm to +44 dBm (1 W to 25 W)
- Carrying Case

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Data sheet

Signal Generator - HandyTran0810 17dBm

HandyTran 0810 generates RF from 800 to 1000MHz in CW mode.

HandyTran 0810 is widely used in the propagation analysis for in building projects for:

- GSM900
- CDMA800
- TETRA800
- iDEN800

It is used before project installation to simulate the coverage results. Measurements can be performed by lightweight device like Sagem / Nemo handsets, spectrum analyser or our SpeCat2 products.

Specifications:

- Output Frequency Range 800 - 1000MHz, adjustable in 100KHz steps
- Frequency stability 2×10^{-6}
- Power 15dBm ±2dB
- Adjustable Output attenuation 0-40 dB, adjustable in 1dB steps
- DC Power + 10.8 V,
- Built in Li Battery 1400mAh
- RF Connector N-50KFD;
- Dimension 178mm × 123mm × 36mm
- Weight 800g

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Data sheet

Decorative Outdoor Antenna - Specifications

Model	DTQJ-0809QYF	DTQJ-0825CYA	DTQJ-0825CYB
Photo			
Freq MHz	824-960	824-960, 1700-2500	800-960, 1710-2500
Gain dBi	7.5	3	4.5-7
Beamwidth Vertical, degree	17	68	8-14
Beamwidth Horizontal Typical degree	360	360	20 - 40
VSWR <	1.5	1.5	1.5
Impedance Ohm	50	50	50
Polarization	Vertical	Vertical	Vertical
Max Power W	100	100	100
Connector (customisable)	N female	N female	N female
Dimension mm	Height 5m	φ370 x 410	φ145×1080
Weight Kg	30.5	3	3.5

Blends seamlessly with the environment

Leatime - 20days

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Data sheet

Decorative Outdoor Antenna DTQJ-0825CYB

Model	DTQJ-0825CYB
Freq MHz	800-960, 1710-2500
Gain dBi	4.5-7
Beamwidth Vertical, degree	8-14
Beamwidth Horizontal Typical degree	20 - 40
VSWR	≤ 1.5
Impedance Ohm	50
Polarization	Vertical
Max Power W	100
Connector (customisable)	N female
Dimension mm	φ145×1080
Weight Kg	3.5

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Data *sheet*

Mushroom Antenna

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Data *sheet*

Coconut Tree Antenna

ADDING VALUE TO MOBILE SYSTEMS

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19" RACK | HEADSET | IP PHONE | MDF & STRUCTURED CABLING

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Voice products

Headset DiH73A

Product Definition:

Sleek designed headset with hi-quality speaker and microphone for professional users

Features:

- Rotating ratchet Metal Flex microphone boom for optimal voice output
- Extraordinary long life using headband
- Big size 36mm speaker for best quality sound
- Ultra Noise-cancellation microphone for excellent sound quality by eliminating the background noise
- Acoustic shock protection for receiver
- Durable microphone cap and microphone boom joint by Ultrasonic pressing
- T-bar provides ultimate comfort and stability
- Free movement by Quick Disconnector without cutting your line
- Adjustable clothing clip
- Options of Leatherette ear cushion and foam ear cushion
- 2-year warranty

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19" RACK | HEADSET | IP PHONE | MDF & STRUCTURED CABLING

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Voice *products*

DragonTECH DiA600B

Product Definition:

Headset amplifier connecting to a telephone

Features:

- One-touch answering calls without lifting telephone handset
- Line-in-use LED
- Mute function for privacy conversation with LED indication
- Rotary Receiving volume control knob
- Acts as telephone extension but without dialing keypad for agency use
- Ringer volume switch-Extension jack for connection to other telephone device
- 3.5mm Jack for call recording
- Tone adjustment by dip switch
- No battery required

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Voice products

Busy Tone Detector DE9008

忙音檢測拆線器簡介

本產品專門為解決數位程式控制使用者交換機中繼線“吊死”問題而設計。系統採用微電腦控制，拆線及時準確，失誤率小於 1%。可與各種進口數位程式控制交換機及集團電話配套使用。

典型應用

- 語音郵箱可立即釋放中繼線

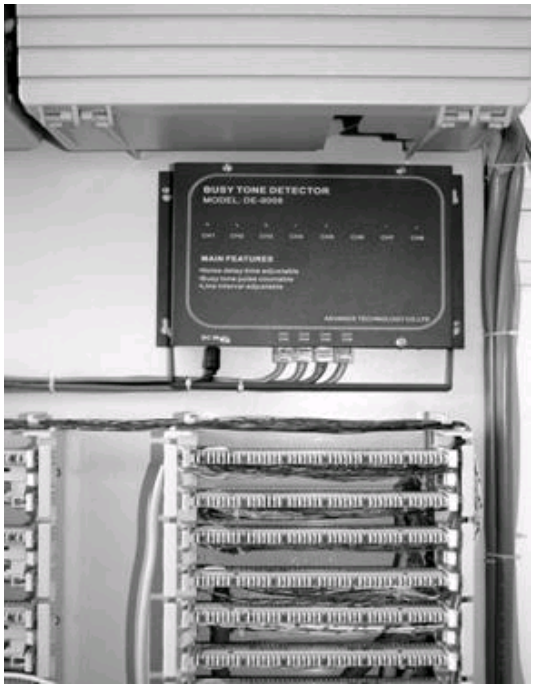
當交換機或集團電話有語音郵箱功能時，經常“Hold”中繼線直至郵箱錄音時間已滿，有了忙音檢測功能，外線主叫掛機，可立即釋放中繼線。

- 徹底解決 DISA 問題

當交換機或集團電話使用 DISA 功能時，需由公網撥入企業內部交換系統，再經另一條中繼線撥當地市話號碼。當主叫掛機時，會造成雙方中繼線“吊死”。如果兩地交換機裝有忙音檢測設備，此問題可徹底解決。

- 徹底解決呼叫前轉至外線問題

當交換機或集團電話使用者啟用呼叫前轉至外線（或手機）時，中繼線也會常常“吊死”。如果裝有忙音檢測設備，此問題可徹底解決。



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Voice *products*

Hotel Phone S Series

S0226

- LAST NUMBER REDIAL
- FLASH
- RECEIVING VOLUME CONTROL
- PAUSE
- LED (LINE IN USE) INDICATOR
- RINGER VOLUME CONTROL
- DESKTOP / WALL MOUNTABLE

Quality Art Telephony

Both Room/Lobby Phone

Makes Communications Better

S1011

- Stores 1 one-touch memory number
- Stores up to 10 two-touch memory numbers
- Last number redial
- Pause, R, Mute
- Ringer volume selection
- Tone dialing only

ADDING VALUE TO VOICE SYSTEMS

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- 19" RACK
- HEADSET
- IP PHONE
- MDF & STRUCTURED CABLING

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Voice *products*

Hotel Phone Q600

Q600

Quality Art Telephony

Both Room/Lobby Phone

Makes Communications Better

ADDING VALUE TO VOICE SYSTEMS

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- 19" RACK
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Voice *products*

Hotel Phone Q600

One and Two Line Telephones for Guest Bathroom and other special service areas.

单线和双线电话最适用于客房浴室和其它服务性区域

FEATURE HIGHLIGHTS

- ◇ Electronic hook switch, fully water & damp proof
- ◇ 1/2-Lines phone
- ◇ Flash, Hold, Pause, Mute, Redial, Hold and Release
- ◇ Face speed dial key for emergency use
- ◇ Back light
- ◇ DTMF Tone
- ◇ Message Waiting Light
- ◇ Desk or wall mountable
- ◇ Handset Volume Control

- ◇ 电子软开关设计，多重防泼溅设计，彻底防水防潮
- ◇ 一机双线功能，一线保持时，另一线可打出及接听电话
- ◇ 挂断、暂停、闭音、重拨、保持
- ◇ 面板紧急呼叫按键，方便应急使用
- ◇ 按键夜光指示
- ◇ 双音频拨号
- ◇ 信息指示灯留言指示和振铃指示
- ◇ 简洁大方设计，桌壁两用
- ◇ 助听兼容手柄，手柄音量八级可调

SPECIFICATIONS:
话机规格参数

- ◇ Dimensions：22.5cm□9cm
- ◇ Handset cord：2.70m
- ◇ Line cord：1m and 12cm
- ◇ Weight：580g
- ◇ Color：Ivory(Black)
- ◇ Handset：Hearing Aid Compatible Handset
- ◇ Dial Character：DTMF tone
- ◇ Flash time：100-900ms adjustable, standard 600ms
- ◇ Message Waiting Light Voltage：Standard high voltage and FSK compatible with PBX and IP Gateway (CISCO Gw224)
- ◇ FCC Approval: FCC Part15/68,CE
- ◇ One-Touch Memory Key Programmable
- ◇ Box Dimension：41.5X39.5X26(cm)
- ◇ Package (set/carton)：16set/Carton

- ◇ 座机尺寸：22.5cm×9cm
- ◇ 手柄线长度：2.70m
- ◇ 直线长度：1m 和12cm
- ◇ 重量：580g
- ◇ 颜色：象牙、黑
- ◇ 手柄：助听兼容
- ◇ 信号：标准12组双音频（DTMF）拨号
- ◇ 闪断时间：100-900ms可调
- ◇ 灯电压：高压，FSK留言，可适合各种PBX IP GATEWAY 信息灯信号
- ◇ 认证：FCC part15/68、CE
- ◇ 包装尺寸：41.5×39.5×26(cm)
- ◇ 包装（台/箱）：16台/