MANUAL PENGGUNA

USER MANUAL

Portable Mesh Nebulizer / Nebulizer Mesh Mudah Alih
Model: LT-N100

Bahasa Malaysia + English

Prepared for Lionew Sdn. Bhd. | Dr Isla Brand

For home care use and medical institution use. Read carefully before use.

KANDUNGAN / CONTENTS

N100

PANDUAN KESELAMATAN / SAFETY GUIDE

N100

Bahasa Malaysia

Baca manual ini dengan teliti sebelum menggunakan produk.
Produk ini adalah peranti perubatan aktif bukan implan untuk kegunaan nebulisasi.
Pesakit atau pengguna awam perlu mendapatkan nasihat profesional kesihatan sebelum penggunaan.
Gunakan ubat, dos dan cara penggunaan seperti diarahkan oleh doktor atau profesional kesihatan.
Jangan gunakan ubat yang tidak dipreskripsikan, cecair pekat, cecair bersuspensi atau cecair berkepekatan tinggi.
Jangan kongsi aksesori nebulizer dengan orang lain kerana risiko jangkitan silang.
Kanak-kanak perlu menggunakan produk di bawah pengawasan orang dewasa.

English

Read this manual carefully before using the product.
This product is an active, non-implantable medical device for nebulization use.
Patients or lay users should consult a healthcare professional before use.
Use the medicine, dosage and operation method as advised by a doctor or healthcare professional.
Do not use non-prescribed medicine, highly viscous liquid, suspended liquid or high-concentration liquid.
Do not share nebulizer accessories with other users due to cross-infection risk.
Children must use the product under adult supervision.

AMARAN & BATASAN / WARNINGS & LIMITATIONS

N100

Bahasa Malaysia

Jangan gunakan produk berhampiran sistem anestesia, ventilator, oksigen perubatan atau persekitaran MRI.
Jangan jatuhkan, hentak kuat, ubah suai atau buka bahagian produk.
Jangan rendam unit utama atau penyesuai kuasa di dalam air.
Jangan sentuh mesh nebulizer dengan kapas, berus, pin atau objek tajam.
Jangan bawa atau simpan peranti semasa masih mempunyai cecair ubat di dalam cawan ubat.
Simpan produk jauh daripada cahaya matahari langsung, suhu melampau, haba, habuk dan lint.
Gunakan hanya kabel/penyesuai kuasa yang mematuhi IEC 60601-1 dan sesuai dengan spesifikasi produk.

English

Do not use the product near anaesthesia systems, ventilators, medical oxygen or MRI environments.
Do not drop, strike, modify, disassemble or repair the product by yourself.
Do not immerse the main unit or power adapter in water.
Do not touch the nebulizer mesh with cotton swabs, brushes, pins or sharp objects.
Do not carry or store the device while liquid medicine remains in the medication cup.
Keep the product away from direct sunlight, extreme temperature, heat, dust and lint.
Use only cables/adapters that comply with IEC 60601-1 and match the product specifications.

Important / Penting: Serious incidents related to the device should be reported to the manufacturer and the competent authority where the user or patient is established.

GAMBARAN PRODUK / PRODUCT OVERVIEW

N100

BM

Prinsip kerja: Nebulizer menggunakan getaran ultrasonik dan mesh mikro berpori untuk menukarkan cecair ubat kepada zarah aerosol halus.
Tujuan penggunaan:
Untuk terapi penyedutan larutan ubat yang dipreskripsikan kepada pesakit dewasa dan kanak-kanak berumur 2 tahun ke atas.
Persekitaran:
Sesuai untuk institusi perubatan dan penjagaan di rumah.

EN

Working principle: The nebulizer uses ultrasonic vibration and a micro-porous mesh to convert liquid medicine into fine aerosol particles.
Intended purpose:
For inhalation therapy of physician-prescribed solutions for adult and paediatric patients aged 2 years and above.
Environment:
Suitable for medical institutions and home care use.

Contraindication / Kontraindikasi: Do not use if allergic to aerosolized medicines. Do not use Pentamidine powder/suspension. For asthma or special conditions, use only under healthcare professional advice.

SPESIFIKASI PRODUK / PRODUCT SPECIFICATIONS

N100

Specifications / Spesifikasi

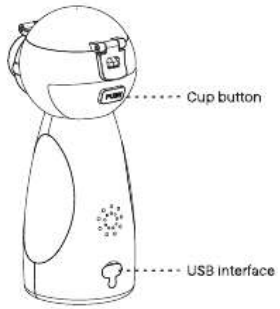
Perkara / Item	Maklumat / Information
Model / Model	LT-N100
Nama produk / Product name	Ultrasonic Mesh Nebulizer
Kaedah kerja / Working method	Piezoelectric resonance
Frekuensi resonan / Resonant frequency	110 kHz ±10%
Kadar nebulisasi / Nebulization rate	≥ 0.20 mL/min
Saiz zarah median / Median particle size	3.0 μm ±25%
Taburan zarah / Particle distribution	1 μm–5 μm >50%
Kapasiti cawan ubat / Cup capacity	Max. 8 mL; Min. 0.5 mL
Bekalan kuasa / Power supply	2 × 1.5V AA battery or 5V ⎓ 1A adapter
Masa kerja / Working time	10 minutes/session; up to 3 consecutive sessions
Dimensi / Dimension	47 × 65 × 127 mm
Berat / Weight	Approx. 100 g

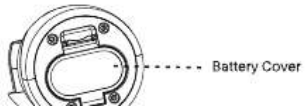
KANDUNGAN PAKEJ & RUPA PRODUK / PACKAGE & APPEARANCE

N100

Package contents / Kandungan pakej

Item	Qty / Kuantiti
Main unit / Unit utama	1
Medication cup / Cawan ubat	1
USB cable / Kabel USB	1
Adult mask / Topeng dewasa	1*
Child mask / Topeng kanak-kanak	1*
User manual / Manual pengguna	1





Medication cup / Cawan ubat	Cup button / Butang cawan
Nebulizer sheet / Mesh nebulizer	USB interface / Port USB
Power button / Butang kuasa	Battery cover / Penutup bateri
Mist mode indicator / Indikator kabus	Warning indicator / Indikator amaran

BEKALAN KUASA / POWER USE

N100

Using Batteries

① Open the battery cover

① Install the batteries correctly according to the positive and negative pole indicators

① Close the battery cover

⚠ **Note:**

1. When the battery is low and the mist mode indicator flashes, please replace the batteries as soon as possible.
2. Do not short circuit the batteries or reverse the positive and negative poles, or else it may cause serious damage to the equipment.
3. If the instrument isn't used for a long time, remove the batteries from the battery compartment.

Bahasa Malaysia

Buka penutup bateri.
Masukkan 2 bateri AA 1.5V mengikut tanda positif (+) dan negatif (-).
Tutup semula penutup bateri dengan kemas.
Jika indikator kabus berkelip apabila bateri lemah, gantikan bateri secepat mungkin.
Keluarkan bateri jika produk tidak digunakan untuk tempoh lama.
Bateri terpakai perlu dilupuskan mengikut peraturan tempatan.

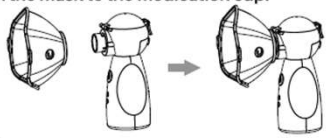
English

Open the battery cover.
Install 2 × 1.5V AA batteries according to the positive (+) and negative (-) markings.
Close the battery cover securely.
If the mist indicator flashes when the battery is low, replace the batteries as soon as possible.
Remove batteries if the product will not be used for a long period.
Dispose of used batteries according to local regulations.

SEBELUM GUNA & PASANG TOPENG / BEFORE USE & MASK SETUP

N100

1. Attach the mask to the medication cup.



⚠ **Note :**

a) The large mask is suitable for adults,the small mask is suitable for pediatrics.
b) The mask can be reused 20 times. If necessary, please contact our company or purchase it with regular channels such as drug stores and hospitals.
c) Please operate in reverse order to remove.
d) Compatible device: Huizhou Kaiyi Technology Co., Ltd. Manufacturer type: NC 180801.

2. Pour the liquid into the cup, and fasten the lid to prevent the liquid from leaking out.

① Open the medication cup cover ② Fill in the drug liquid ③ Cover and fasten the lid

⚠ **Note :**

Please consult your physician for the dosage of the drug liquid. Maximum capacity 8 ml, Minimum capacity 0.5 ml.

Bahasa Malaysia

Pastikan semua komponen telah dibersihkan dan dikeringkan sebelum pemasangan.
Pilih topeng yang sesuai: topeng besar untuk dewasa dan topeng kecil untuk kanak-kanak.
Pasangkan topeng pada cawan ubat dengan kemas.
Topeng boleh digunakan sehingga 20 kali. Tukar topeng jika retak, rosak atau berubah bentuk.
Jika perlu, beli aksesori yang serasi daripada syarikat atau saluran pembelian yang diluluskan.
Untuk membuka semula, lakukan langkah pemasangan secara terbalik.

English

Ensure all components are cleaned and dried before installation.
Select the correct mask: large mask for adults and small mask for paediatric users.
Attach the mask securely to the medication cup.
The mask may be used up to 20 times. Replace the mask if it is cracked, damaged or deformed.
If needed, purchase compatible accessories from the company or approved purchase channel.
To remove the mask, follow the installation steps in reverse order.

ISI CECAIR UBAT / FILLING MEDICATION CUP

N100

Bahasa Malaysia

Buka penutup cawan ubat.
Masukkan cecair ubat yang dipreskripsikan ke dalam cawan ubat.
Pastikan isipadu tidak melebihi 8 mL dan tidak kurang daripada 0.5 mL.
Tutup dan kunci penutup dengan kemas untuk mengelakkan kebocoran.
Jangan guna cecair pekat, melekit, bersuspensi atau berkepekatan tinggi kerana boleh menyumbat mesh.
Jika ubat tertumpah, lap dengan kain kasa bersih dengan segera.

English

Open the medication cup cover.
Pour the prescribed liquid medicine into the medication cup.
Make sure the volume does not exceed 8 mL and is not less than 0.5 mL.
Close and fasten the lid securely to prevent leakage.
Do not use thick, sticky, suspended or high-concentration liquids because they may clog the mesh.
If medicine is spilled, wipe it immediately with clean gauze.

2. Pour the liquid into the cup, and fasten the lid to prevent the liquid from leaking out.

① Open the medication cup cover ② Fill in the drug liquid ③ Cover and fasten the lid

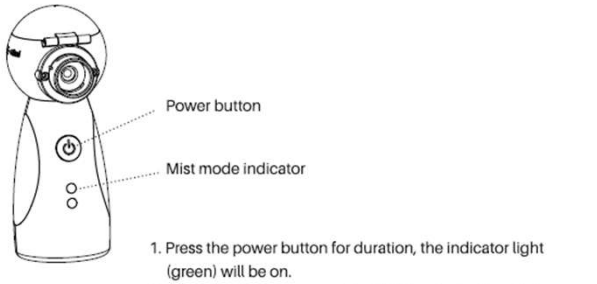
⚠ **Note :**

Please consult your physician for the dosage of the drug liquid. Maximum capacity 8 ml, Minimum capacity 0.5 ml.
Do not use suspended, highly viscous, or high-concentration liquids, as this may cause the nebulization sheet clogged or damaged and not function properly.

PROSES NEBULISASI / NEBULIZATION

N100

3 . Nebulization



1. Press the power button for duration, the indicator light (green) will be on.
2. After cleaning, green constant light, nebulization start.
3. The default option is the lowest level; shortly press the power button to switch from low, medium to high level, and the color of the mode indicator changes accordingly (low is green after the green flashing, medium is blue, and high is cyan).
4. The nebulizer flashes blue when the power is too low in normal operation, and the yellow light flashes when the liquid runs out.
5. The nebulizer operates for 10 minutes per session and will shut off automatically. To continue using the device, please press the power button again to restart.
6. When the nebulization process is complete or if you wish to stop it manually, please press the power button to turn off the device.

Bahasa Malaysia

Tekan butang kuasa sebentar untuk menghidupkan peranti; lampu indikator hijau menyala.
Selepas pembersihan automatik, lampu hijau stabil dan nebulisasi bermula.
Tahap kabus boleh ditukar daripada rendah, sederhana kepada tinggi dengan menekan butang kuasa secara singkat.
Peranti beroperasi 10 minit bagi setiap sesi dan akan mati secara automatik.
Tekan butang kuasa sekali lagi untuk meneruskan sesi atau menghentikan penggunaan secara manual.
Jika lampu amaran kuning berkelip, paras cecair ubat mungkin terlalu rendah.

English

Press the power button briefly to turn on the device; the green indicator lights up.
After automatic cleaning, the green light remains steady and nebulization begins.
The mist level can be changed from low, medium to high by briefly pressing the power button.
The device operates for 10 minutes per session and shuts off automatically.
Press the power button again to continue the session or stop manually.
If the yellow warning light flashes, the liquid medicine level may be too low.

PEMBERSIHAN & DISINFEKSI / CLEANING & DISINFECTION

N100

1. Cleaning accessories

① Remove the medication cup from the main unit liquid.

② Pour out the remaining.

③ Clean the medication cup with clean purified water which not exceeding 40°C.

④ Dry the medication cup in a ventilated place, and then put it on the main unit.

2. Cleaning the main unit

The main unit must be cleaned with a soft dry cloth and non-abrasive cleaners. Let it air dry in a clean environment.

⚠ **Note :**

Clean all parts of the nebulizer after each treatment to reduce the risk of infection, illness, or injury from contamination. Clean or replace accessories after each treatment.

Only the original nebulizer and accessories can guarantee proper treatment.

Please refer to the mask's manual for cleaning the mask.

Bahasa Malaysia

Jangan kongsi aksesori nebulizer untuk mengurangkan risiko jangkitan silang.
Tanggalkan cawan ubat daripada unit utama selepas digunakan.
Buang baki cecair ubat mengikut peraturan tempatan.
Bersihkan cawan ubat dan mesh dengan air bersih yang tidak melebihi 40°C.
Keringkan cawan ubat di tempat berventilasi sebelum dipasang semula.
Bersihkan unit utama dengan kain lembut dan bahan pembersih tidak melelas; jangan rendam unit utama.
Bersihkan atau gantikan aksesori selepas setiap penggunaan.

English

Do not share nebulizer accessories to reduce the risk of cross-infection.
Remove the medication cup from the main unit after use.
Dispose of the remaining liquid medicine according to local regulations.
Clean the medication cup and mesh with clean water not exceeding 40°C.
Dry the medication cup in a ventilated place before reinstalling it.
Clean the main unit with a soft cloth and non-abrasive cleaner; do not immerse the main unit.
Clean or replace accessories after each use.

PENYELESAIAN MASALAH / TROUBLESHOOTING

N100

Masalah / Failure	Punca dan tindakan / Possible cause and solution
Tidak berfungsi apabila dihidupkan / Does not work when powered on	Semak bateri; ganti jika lemah. Semak paras ubat dalam cawan. Pastikan bateri dipasang mengikut polariti yang betul. / Check batteries; replace if low. Check liquid level. Ensure correct battery polarity.
Kadar nebulisasi terlalu rendah / Nebulization rate is very low	Pastikan cecair larut air dan tidak mengakis. Semak jika cecair mencukupi. Bersihkan atau ganti cawan ubat jika mesh tersumbat. / Ensure liquid is water-soluble and non-corrosive. Check liquid level. Clean or replace the cup if the mesh is clogged.
Indikator amaran kuning / Yellow warning indicator	Paras cecair ubat mungkin tidak mencukupi atau cawan ubat tidak dipasang dengan betul. / Liquid level may be insufficient or medication cup may not be installed correctly.
Berhenti automatik semasa digunakan / Stops automatically during use	Ganti bateri, isi semula ubat, pasang cawan ubat semula dan pegang peranti dengan stabil. / Replace batteries, refill medicine, reinstall the cup and hold steadily.

Jika masalah masih berterusan, hentikan penggunaan dan hubungi pengedar / manufacturer. / If the problem persists, stop use and contact the distributor / manufacturer.

SIMBOL, PELUPUSAN & EMC / SYMBOLS, DISPOSAL & EMC

N100

Key symbols / Simbol utama

S/N	Symbol	Explanation
1		BF type application part
2		Note: refer to the attached file
3		Refer to the manual
4	SN	Serial number
5	IP22	Shell protection grade
6		Disposal of waste electrical and electronic equiment separately (follow local government regulations and recyling instructions for batteries)
7		Non - ionizing radiatiom
8		Date of manufacture
9		Manufacturer
10		Use-by date
11	CE 0123	Comply with the Regulation (EU) 2017/745
12	EU REP	Authorized representative in the European Union
13	MD	Medical device
14	UDI	Unique device identifier
15		Single patient multiple use

EMC and disposal / EMC dan pelupusan

BM

- Gunakan peranti mengikut maklumat EMC yang disediakan.
- Elakkan penggunaan berdekatan peralatan RF mudah alih, telefon bimbit, gelombang mikro dan sumber elektromagnet kuat.
- Jangan guna bersebelahan atau bertindan dengan peralatan lain kecuali telah disahkan berfungsi dengan normal.
- Lupuskan peranti, bateri dan aksesori mengikut peraturan tempatan.

EN

- Use the device according to the EMC information provided.
- Avoid use near portable RF equipment, mobile phones, microwave ovens and strong electromagnetic sources.
- Do not use adjacent to or stacked with other equipment unless normal operation is verified.
- Dispose of the device, batteries and accessories according to local regulations.

Detailed EMC declaration tables are provided on the following pages. / Jadual deklarasi EMC terperinci disediakan pada halaman berikutnya.

EMC DECLARATION / DEKLARASI EMC (1/6)

N100

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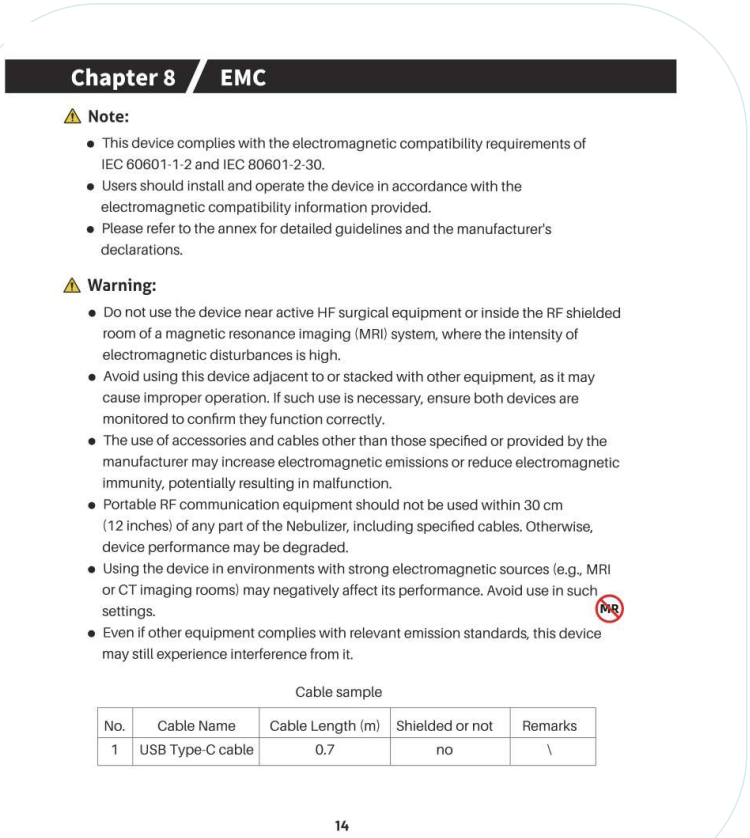
BM: Gunakan peranti mengikut keperluan EMC. Jangan gunakan berdekatan peralatan RF/MRI atau peralatan lain tanpa pengesahan operasi normal.

EN: Use according to EMC requirements. Avoid RF/MRI areas and adjacent/stacked equipment unless normal operation is verified.



Chapter 8 / EMC

⚠ Note:

- This device complies with the electromagnetic compatibility requirements of IEC 60601-1-2 and IEC 80601-2-30.
- Users should install and operate the device in accordance with the electromagnetic compatibility information provided.
- Please refer to the annex for detailed guidelines and the manufacturer's declarations.

⚠ Warning:

- Do not use the device near active HF surgical equipment or inside the RF shielded room of a magnetic resonance imaging (MRI) system, where the intensity of electromagnetic disturbances is high.
- Avoid using this device adjacent to or stacked with other equipment, as it may cause improper operation. If such use is necessary, ensure both devices are monitored to confirm they function correctly.
- The use of accessories and cables other than those specified or provided by the manufacturer may increase electromagnetic emissions or reduce electromagnetic immunity, potentially resulting in malfunction.
- Portable RF communication equipment should not be used within 30 cm (12 inches) of any part of the Nebulizer, including specified cables. Otherwise, device performance may be degraded.
- Using the device in environments with strong electromagnetic sources (e.g., MRI or CT imaging rooms) may negatively affect its performance. Avoid use in such settings.
- Even if other equipment complies with relevant emission standards, this device may still experience interference from it.

Cable sample

No.	Cable Name	Cable Length (m)	Shielded or not	Remarks
1	USB Type-C cable	0.7	no	\

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EMC DECLARATION / DEKLARASI EMC (2/6)

N100

Original Appendix 7.3 LT-N100 Manual — PDF page 18

BM: Jadual ini menyatakan deklarasi pelepasan elektromagnet dan imuniti awal untuk peranti.

EN: This table states electromagnetic emissions and initial immunity declarations for the device.

Chapter 8 / EMC

Guidance and manufacture's declaration – electromagnetic emission		
The product is intended for use in the electromagnetic environment specified below. The customer of the user of the product should assure that it is used in such an environment.		
Emission Test	**Compliance**	**Electromagnetic environment – guidance**
Conducted and Radiated RF emissions CISPR 11	Group 1	The product uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.
Conducted RF emissions CISPR 11	Class B	The product is suitable for use in all establishments, including domestic and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes except for near active HF surgical equipment and the RF shielded room for magnetic resonance imaging.
Radiated RF emissions CISPR 11	Class B	
Harmonic emissions IEC 61000-3-2	Class A	
Voltage fluctuations and flicker emissions IEC 61000-3-3	Complies	

Guidance and manufacture's declaration – electromagnetic immunity			
The product is intended for use in the electromagnetic environment specified below. The customer or the user of the product should assure that it is used in such an environment.			
Immunity test	**IEC 60601-1-2 test level**	**Compliance level**	**Electromagnetic environment-guidance**
Electrostatic discharge IEC 61000-4-2	±8kV contact; ±2kV, ±4kV, ±8kV, ±15 kV air	±8kV contact; ±2kV, ±4kV, ±8kV, ±15kV air	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%.

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EMC DECLARATION / DEKLARASI EMC (3/6)

N100

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BM: Keperluan imuniti termasuk transien cepat, surges, medan magnet frekuensi kuasa, dip voltan dan gangguan voltan.

EN: Immunity requirements include fast transients, surges, power-frequency magnetic fields, voltage dips and interruptions.

Chapter 8 / EMC

Electrical fast transients/bursts IEC 61000-4-4	±2kV AC power supply lines; ±1kV DC power/Signal lines. 100 kHz repetition frequency	±2kV for AC power supply lines 100 kHz repetition frequency	Mains power quality should be that of a typical commercial environment.
Surges IEC 61000-4-5	±0.5kV, ±1kV lines to lines; ±0.5kV, ±1kV, ±2kV lines to earth	±0.5kV, ±1kV lines to lines	Mains power quality should be that of a typical commercial or hospital environment.
Rated power frequency magnetic fields IEC 61000-4-8	30A/m 50Hz or 60Hz	30A/m 50Hz or 60Hz	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial environment.
Voltage dips IEC 61000-4-11	0% UT, 0.5 cycle At 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315°; 0% UT, 1 cycle and 70% UT, 25/30 cycle Single phase: at 0°	0% UT, 0.5 cycle At 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315°; 0% UT, 1 cycle and 70% UT, 25/30 cycle Single phase: at 0°	Mains power quality should be that of a typical commercial environment. If the user of the product requires continued operation during power mains interruptions, it is recommended that the Electronic Stimulator for Pain Relief be powered from an uninterruptible power supply or a battery.
Voltage interruptions IEC 61000-4-11	0% UT, 250/300 cycle	0% UT, 250/300 cycle	
⚠ **Note:** UT is the a.c. mains voltage prior to application of the test level. E.g.: 25/30 means 25 periods at 50 Hz or 30 periods at 60 Hz. 250/300 means 250 periods at 50 Hz or 300 periods at 60 Hz.			

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EMC DECLARATION / DEKLARASI EMC (4/6)

N100

Original Appendix 7.3 LT-N100 Manual — PDF page 20

BM: Peralatan komunikasi RF mudah alih perlu dijauhkan daripada peranti dan kabel mengikut panduan EMC.

EN: Portable RF communication equipment should be kept away from the device and cables according to EMC guidance.

Chapter 8 / EMC

Guidance and manufacture's declaration – electromagnetic immunity			
The product is intended for use in the electromagnetic environment specified below. The customer or the user of the product should assure that it is used in such an environment.			
Immunity Test	**IEC 60601-1-2 test level**	**Compliance Level**	**Electromagnetic Environment-Guidance**
Conducted disturbances induced by RF fields IEC 61000-4-6	3Vrms in 0.15MHz – 80MHz; 6Vrms in ISM and amateur radio bands between 0.15MHz and 80MHz (Home healthcare environment) 80% AM at 1kHz	3Vrms in 0.15MHz – 80MHz, 6Vrms in ISM and amateur radio bands between 0.15MHz and 80MHz (Home healthcare environment) 80% AM at 1kHz	Portable and mobile RF communications equipment should be used no closer to any part of these devices, including cables. Interference may occur in the vicinity of equipment marked with the following symbol.
Radiated RF EM fields IEC 61000-4-3	10V/m (Home healthcare environment), 80MHz – 2.7GHz 80% AM at 1kHz	10V/m (Home healthcare environment) 80MHz – 2.7GHz 80% AM at 1kHz	
Proximity magnetic fields IEC 61000-4-39	30 kHz, 8A/m 134,2 kHz, 65A/m 13,56 MHz, 7.5 A/m	30 kHz: 8A/m 134,2 kHz:65A/m 13,56 MHz: 7.5 A/m	/
Note 1: At 80 MHz and 800 MHz, the higher frequency range applies. **Note 2:** These guidelines may not apply in all situations. Electromagnetic is affected by absorption and reflection from structures, objects and people.			

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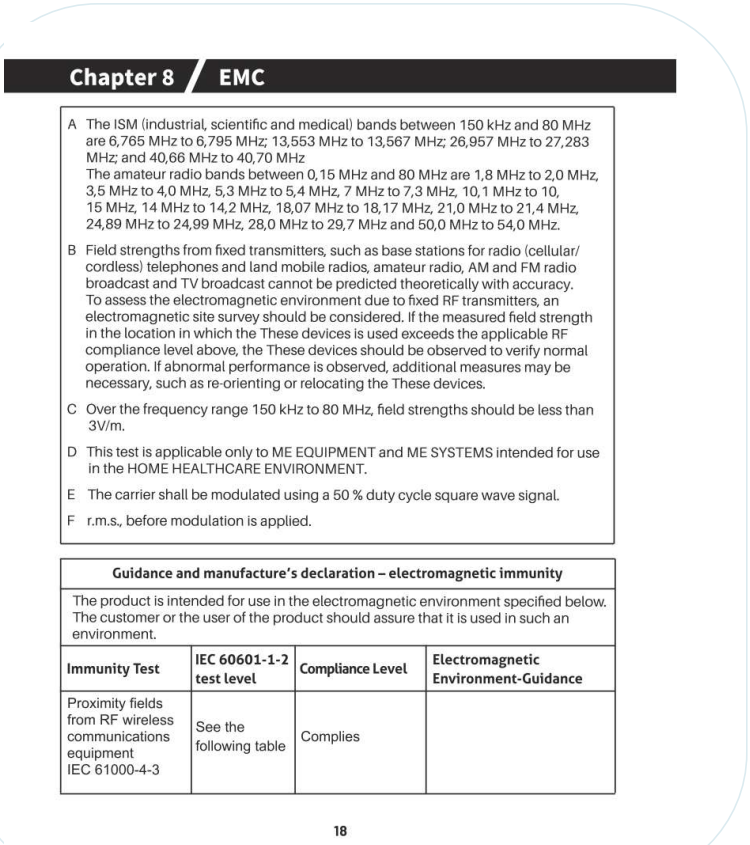
EMC DECLARATION / DEKLARASI EMC (5/6)

N100

Original Appendix 7.3 LT-N100 Manual — PDF page 21

BM: Nota teknikal EMC berkaitan jalur ISM, kekuatan medan dan syarat ujian dikekalkan seperti manual asal.

EN: EMC technical notes on ISM bands, field strengths and test conditions are retained as per the original manual.



Chapter 8 / EMC

A The ISM (industrial, scientific and medical) bands between 150 kHz and 80 MHz are 6,765 MHz to 6,795 MHz; 13,553 MHz to 13,567 MHz; 26,957 MHz to 27,283 MHz; and 40,66 MHz to 40,70 MHz
The amateur radio bands between 0,15 MHz and 80 MHz are 1,8 MHz to 2,0 MHz, 3,5 MHz to 4,0 MHz, 5,3 MHz to 5,4 MHz, 7 MHz to 7,3 MHz, 10,1 MHz to 10, 15 MHz, 14 MHz to 14,2 MHz, 18,07 MHz to 18,17 MHz, 21,0 MHz to 21,4 MHz, 24,89 MHz to 24,99 MHz, 28,0 MHz to 29,7 MHz and 50,0 MHz to 54,0 MHz.

B Field strengths from fixed transmitters, such as base stations for radio (cellular/ cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the These devices is used exceeds the applicable RF compliance level above, the These devices should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as re-orienting or relocating the These devices.

C Over the frequency range 150 kHz to 80 MHz, field strengths should be less than 3V/m.

D This test is applicable only to ME EQUIPMENT and ME SYSTEMS intended for use in the HOME HEALTHCARE ENVIRONMENT.

E The carrier shall be modulated using a 50 % duty cycle square wave signal.

F r.m.s., before modulation is applied.

Guidance and manufacture's declaration – electromagnetic immunity			
The product is intended for use in the electromagnetic environment specified below. The customer or the user of the product should assure that it is used in such an environment.			
Immunity Test	**IEC 60601-1-2 test level**	**Compliance Level**	**Electromagnetic Environment-Guidance**
Proximity fields from RF wireless communications equipment IEC 61000-4-3	See the following table	Complies	

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EMC DECLARATION / DEKLARASI EMC (6/6)

N100

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BM: Jadual proximity fields untuk peralatan komunikasi RF tanpa wayar dikekalkan sepenuhnya.

EN: Proximity fields table for RF wireless communications equipment is retained in full.

Chapter 8 / EMC

Test frequency (MHz)	Band [a] (MHz)	Service [a]	Modulation	Immunity Test Level (V/m)
385	380 - 390	TETRA 400	Pulse modulation [b] 18 Hz	27
450	430 - 470	GMRS 460, FRS 460	FM [c] ± 5 kHz deviation 1 kHz sine	28
710	704 - 787	LTE Band 13, 17	Pulse modulation [b] 217 Hz	9
745				
780				
810	800 - 960	GSM 800/900, TETRA 800, iDEN 820, CDMA 850, LTE Band 5	Pulse modulation [b] 18 Hz	28
870				
930				
1720	1700 - 1990	GSM 1800; CDMA 1900; GSM 1900; DECT; LTE Band 1, 3, 4, 25; UMTS	Pulse modulation [b] 217 Hz	28
1845				
1970				
2450	2400 - 2570	Bluetooth, WLAN, 802.11 b/g/n, RFID 2450, LTE Band 7	Pulse modulation [b] 217 Hz	28
5240	5100 - 5800	WLAN 802.11 a/n	Pulse modulation [b] 217 Hz	9
5500				
5785				

Note: If necessary to achieve the IMMUNITY TEST LEVEL, the distance between the transmitting antenna and the ME EQUIPMENT or ME SYSTEM may be reduced to 1 m. The 1 m test distance is permitted by IEC 61000-4-3.

a) For some services, only the uplink frequencies are included.
b) The carrier shall be modulated using a 50 % duty cycle square wave signal.
c) As an alternative to FM modulation, the carrier may be pulse modulated using a 50 % duty cycle square wave signal at 18 Hz. while it does not represent actual modulation, it would be worst case.

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WARANTI & MAKLUMAT HUBUNGAN / WARRANTY & CONTACT

N100

Bahasa Malaysia

Jika produk mengalami kerosakan, hubungi pengedar tempatan atau manufacturer.
Unit utama mempunyai waranti 1 tahun dari tarikh jualan.
Cawan ubat termasuk mesh nebulizer mempunyai waranti 3 bulan.
Aksesori pakai habis seperti topeng tidak dilindungi waranti.
Waranti tidak melindungi kerosakan akibat jatuh, hentakan, terkena air, penggunaan tidak betul, kemalangan atau pengubahsuaian struktur asal.
Simpan rekod pembelian dan kad waranti untuk tujuan servis.

English

If the product has a fault, contact the local dealer or manufacturer.
The main unit has a 1-year warranty from the date of sale.
The medication cup, including the nebulizer mesh, has a 3-month warranty.
Consumable accessories such as masks are not covered by the warranty.
Warranty does not cover damage caused by dropping, impact, water exposure, improper operation, accident or alteration of the original structure.
Keep the purchase record and warranty card for service purposes.

Contact Information / Maklumat Hubungan

LIONEW SDN. BHD. (202101040236 / 1440536-M)
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REKOD REVISI / REVISION RECORD

N100

Document / Dokumen	Manual Pengguna / User Manual – LT-N100
Brand / Jenama	Dr.Isla
Company / Syarikat	Lionew Sdn. Bhd.
Version / Versi	00
Date / Tarikh	12/8/2026
Prepared by / Disediakan oleh	Siti Fazlina Binti Abd Wahab
Approved by / Diluluskan oleh	Sim Chi Song

KAD WARANTI / WARRANTY CARD

N100

Bahasa Malaysia

Jika produk rosak, hubungi pengedar tempatan atau manufacturer.
Unit utama: waranti 1 tahun dari tarikh jualan.
Cawan ubat termasuk nebulizer sheet: waranti 3 bulan.
Caj pembaikan dikenakan selepas tempoh waranti tamat.
Aksesori pakai habis seperti topeng tidak dilindungi waranti.
Waranti tidak melindungi kerosakan akibat jatuh/hentakan, air/basah, operasi tidak betul, kemalangan atau ubah suai struktur asal.

English

If the product has a fault, contact your local dealer or manufacturer.
Main unit: 1-year warranty from the date of sale.
Medicine cup including nebulizer sheet: 3-month warranty.
Repair fee may be charged after the warranty period expires.
Consumables such as masks are not covered by warranty.
Warranty excludes damage from dropping/impact, water/wet condition, improper operation, accident or alteration of original structure.

Disclaimer: We are not responsible for any problems with the instrument if any parts are repaired by unqualified personnel.

Product		**Model**	
Production date		Purchase Date	
Invoice Number			
Address			
Contact		Tel	
Service record	**Description**		**Repairer**
Remarks	Please present this card during machine maintenance.		

Warranty terms and warranty card fields added from Appendix 7.3 LT-N100 Manual PDF page 20