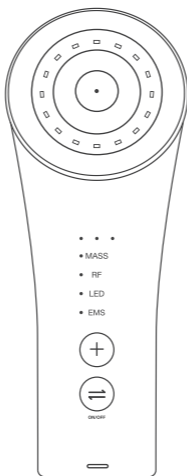


# 产品说明书

产品型号：SKC-1S



comper

为了保证您能顺利使用本产品，请在使用前仔细阅读本用户手册。

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## 产品介绍

### Comper 智能美容仪

Comper智能美容仪(Smarkin)集成了射频(RF)、微电流(EMS)、光疗(LED)、震动(MASS)等改善皮肤和肌肉状况的技术,通过多技术间的高效协作算法,使抗皱、瘦脸、祛痘及改善面部肤质的效果更加显著。

Comper智能美容仪(Smarkin)适用于绝大多数想要改善皮肤状况的人群。

### 临床应用

1. 射频功能(RF)可以利用射频能量加热皮肤组织,通过刺激新的胶原蛋白和弹性蛋白的生成,从而重塑皮肤组织,减少细纹和紧致肌肤。
2. 微电流功能(EMS)使用低能量电流穿透皮肤,通过对面部肌肉的刺激,可以产生瘦脸等多种美容效果。
3. 光疗功能(LED)使用非热光源照射皮肤,可以活跃组织细胞,尤其是成纤维细胞,从而有效改善皱纹和皮肤松弛。
4. 震动(MASS)可以缓解皮肤的压力或疼痛,从而提高整体的美容效果。

### Comper 健康 App

配合 Comper 智能美容仪使用,可科学管理自己的皮肤健康数据,并个性化自定义适合自己的皮肤护理流程,通过高质量的视频及语音导航,使面部操作过程变得高效流畅。

### 包装内容

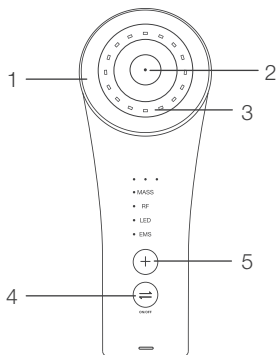
- Comper 智能美容仪
- 适配器
- 用户手册



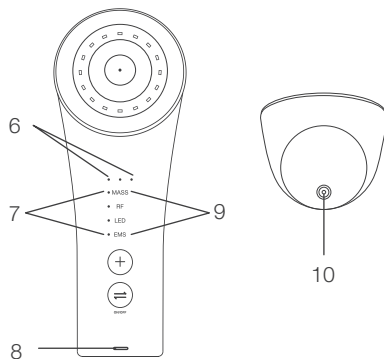
## 产品结构和基本参数

### 产品结构

1. 电极圈
2. 表皮温度感应点
3. 光疗功能透光区
4. 开关按键 / 功能切换按键
5. 功能强度调节按键



6. 功能强度灯
7. 功能工作指示灯
8. 电源指示灯
9. 显示区域：震动按摩功能 MASS、射频功能 RF、微电流功能 EMS、红光 LED 与近红外光 LED
10. DC 接口



## 产品附件

### 基本参数

商品名称：Comper 智能美容仪

型号：SKC-1S

尺寸：54\*138\*50(mm)

重量：130±10g

额定电压：100 ~ 240V

峰值功率：24W

功能：射频 (RF)、微电流 (EMS)、光疗 (LED)、震动 (MASS)

蓝牙：BT4.0,BLE

额定输入：100-240V~, 50/60 Hz

额定输出：12V=== 3A

防水等级：IPX6

存储温度：-10° C ~ 55° C

工作温度：-10° C ~ 40° C

工作湿度：10% ~ 85%

\* 为了保护您的肌肤，我们在美容仪内安装了温度传感器，以确保您的皮肤温度不会超过 42° C / 107.6° F。

### 玻尿酸精华液（需要额外购买）

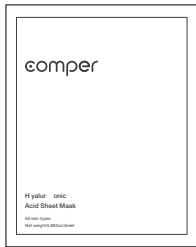


使用美容仪之前请将玻尿酸精华液涂抹在脸部或颈部的护理部位，可以为肌肤提供充足的水分，帮助达到更好的护理效果。

成分：水、丁二醇、1,2- 戊二醇、聚谷氨酸、β- 葡聚糖、甲基葡糖醇聚醚 -20、水解燕麦蛋白、透明质酸钠、乙酰胺六肽 -8、卡波姆、羟苯基丙酰胺苯甲酸、三乙醇胺、苯氧乙醇、乙基己基甘油、羟苯甲酯。

## 使用前须知

### 玻尿酸深层补水面膜（需要额外购买）



使用美容仪之后请将面膜取出，避开眼唇部位完整贴于面部，可以缓解护理后的皮肤干燥状况，为肌肤提供充足的水分，改善皮肤状态。

成分：水、甘油、丙二醇、丁二醇、β-葡聚糖、尿囊素、透明质酸、黄原胶、库拉索芦荟（ALOE BARBADENSIS）叶提取物、芍药（PAEONIA ALBIFLORA）根提取物、甘草（GLYCYRRHIZA URLENSIS）提取物、对羟基苯乙酮、1,2-己二醇。

1. 取出设备主体、附件及说明书，仔细阅读说明书；
2. 清洁并擦干面部；
3. 确保接通电源适配器。

## 使用指导

### 禁忌症

- 如果您有癫痫病史，请不要使用。
- 如果您最近做过面部手术或其他外科手术，请不要使用。
- 如果您曾经植入过电子设备，如除颤器、神经刺激器、起搏器或心电图监护仪，请不要使用。
- 如果您正在使用有创性医疗器械，如胰岛素泵，请在使用前咨询医生。
- 如果您有任何肿瘤病史，请不要使用。
- 如果您已经怀孕，请不要使用。
- 如果您有整形金属牙套，请不要使用。
- 如果您有开放性的溃疡或伤口，请不要使用。
- 如果您有酒糟鼻，请不要使用。
- 如果您有皮肤问题或是敏感皮肤，请在使用前咨询医生。
- 请勿给婴儿和儿童使用，请将设备和附件放在儿童接触不到的地方。

如果出现以上任何状况，使用前请务必咨询医生。

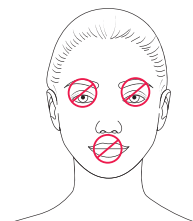
### 适用区域

Comper智能美容仪适用于除眼球和嘴唇之外的大部分脸部区域，如下颌、脸颊和额头。如下图所示：



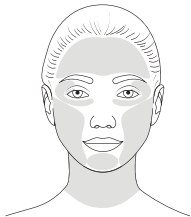
### 注意

请不要将该产品用于嘴唇、眼睛、上下眼睑和周围组织，包括（眼轮匝肌）。

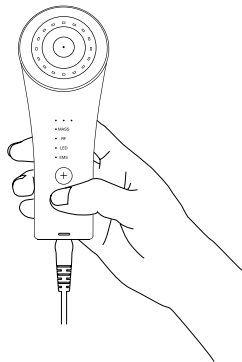


## 单独使用步骤

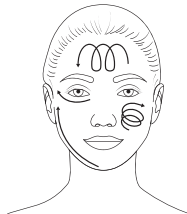
1. 涂抹适量的玻尿酸精华液在将要护理的区域，并且在后续护理流程中，可根据个人需要继续添加。



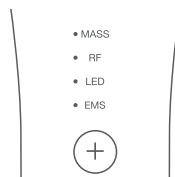
2. 确认电源适配器处于连接状态，按住电源键 2 秒开机，可直接开始护理流程；



3. 参考本手册中“适用区域”部分标示的护理部位，让美容仪的探头贴合相应的区域，缓慢打圈或推拉。

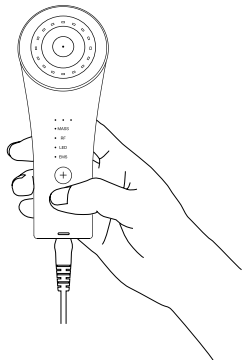


4. 护理过程中可自动，或通过“功能切换按键”随时切换至下一功能，“功能工作指示灯”将随着功能的变化而变化。
5. 在 RF 及 EMS 模式时，可通过“功能强度调节按键”切换档位，即时调节护理强度；





6. 护理流程结束后，美容仪进入待机状态，“功能强度灯”依次闪烁一分钟后将自动关机，或可按住电源键 2 秒直接关机。



\* 美容仪的默认护理流程步骤依次为 MASS+RF 功能、RF+LED 功能和 LED+EMS 功能，自动执行完毕或达到规定的护理时长后，设备将会自动进入待机状态；

以下为各个步骤及其所对应的正常使用感受：

- a. MASS+RF: 震动感和热感；
- b. RF+LED: 热感和红光；
- c. LED+EMS: 红光和电流刺激感。

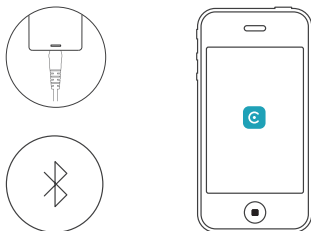
## 配合 App 使用步骤

### 初次绑定

1. 在应用商店（安卓系统请使用“应用宝”，iOS 系统请使用 App store）中搜索“Comper 健康”，或扫描下方二维码，下载、安装并打开 Comper 健康 App。



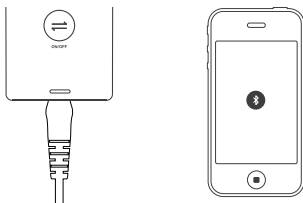
2. 确保电源适配器已连接，并且手机蓝牙处于开启状态。进入 Comper 健康 App “我的设备”界面，根据 App 内的指引绑定 Comper 智能美容仪，App 提示绑定成功，美容仪蜂鸣 1 秒同时震动 2 次，即为蓝牙连接成功。若绑定失败，可根据指示重新绑定。



3. 如果更换手机，需要重复以上步骤再次绑定。

## 护理流程

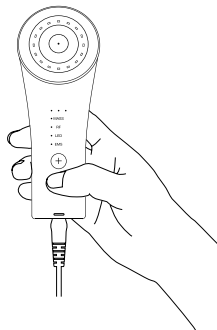
1. 确保电源适配器已连接，并且手机蓝牙处于开启状态。



2. 打开 Comper 健康 App，点击底部“+”，即可开始护理。



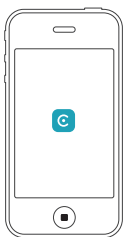
3. 护理流程结束后，美容仪进入待机状态，“功能强度灯”依次闪烁一分钟后设备将自动关机，或可按住电源键 2 秒直接关机。



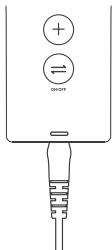
## 恢复默认护理模式

使用 Comper 健康 App 进行自定义护理后，美容仪的出厂默认护理模式会被替换，若想恢复默认模式，可通过 2 个方法快速实现：

1. 通过 Comper 健康 App 中的相关选项随时恢复默认护理模式；



2. 确保电源适配器已连接并处于关机状态，同时按住美容仪的“开关按键”和“功能强度调节按键”3 秒，设备将震动一次，提示已恢复为出厂默认护理模式。



## 清洁、消毒与存储

### 清洗步骤

1. 将设备关机，拔掉适配器
2. 将设备探头置于水流中冲洗，可同时用手或者棉布等工具擦洗
3. 清洗干净后用棉布擦干或自然晾干



请勿使 DC 接口接触到水等其他液体

请勿将设备放置于水中浸泡

### 消毒

请定期用 75% 医用酒精浸湿的棉布擦洗设备，进行消毒。

### 存储

请勿将设备存储于高温或潮湿的地方。

## 常见问题

### 1. 使用美容仪后会出现什么样的效果？需要多长时间才能看到效果？

根据用户们的反馈，在使用 Comper 智能美容仪后，他们的面部轮廓、肤色和皱纹等都有所改善。根据个人皮肤类型和状况的不同，效果和产生效果的时间都可能会有所不同。我们建议您在使用美容仪之前和之后拍照来观察效果。

### 2. 我应该在什么时间使用美容仪？多长时间使用一次？

我们对于使用美容仪的时间和频率没有明确的限制。建议您可以在早上化妆前和晚上洗脸后使用，并根据您可以接受的频率来控制使用次数，注意不要过度。

### 3. 我可以在带妆的时候使用美容仪么？

不可以。请您在使用美容仪之前保持皮肤处于干净状态。

### 4. 我可以其他护肤产品代替 Comper 玻尿酸精华液吗？

您可以选择任何类似的玻尿酸产品，只要它可以在您使用美容仪的时候提供相同的体验。但 Comper 不会为此种行为可能导致的后果负责。

### 5. 在使用美容仪的过程中有刺痛感是否正常？

您在使用美容仪时可能会有轻微的刺痛感觉。降低功能档位、持续的移动探头或增加玻尿酸精华液的用量可以减少或消除刺痛感。

### 6. 当我的皮肤处于过敏期时，我可以使用美容仪吗？

不可以，Comper 智能美容仪不能解决你的皮肤过敏问题，甚至可能会使您的皮肤状况恶化。

## 电磁兼容说明



### 警告

本产品不应与其它设备接近或叠放使用，如果必须接近或叠放使用，则应观察验证在其使用的配置下能正常运行。

本设备需 EMC 防护，且需在符合规定的电磁环境中安装和使用。便携式和移动式 RF 通信设备可能影响本设备的性能。



### 注意

此设备可能产生音频设备干扰或中断其他附近设备的正常运行。如有必要请采取减轻措施，例如远离被干扰设备。

指南和制造商声明 - 电磁辐射		
Comper 智能美容仪预期在下列规定的电磁环境中使用，购买者或使用者应保证它在这种电磁环境下使用：		
发射试验	符合性	电磁环境—指南
GB 4824 射频发射	第 1 组	Comper 智能美容仪仅为其内部功能使用射频能量。因此，它的射频发射很低，并且对附近电子设备产生干扰的可能位很小
GB 4824 射频发射	B 类	Comper 智能美容仪适用于使用在非家用和不直接连接到供家用的住宅公共低压电网的所有设施中。
GB 17625.1 谐波发射	A 类	
GB 17625.2 电压波动 / 闪烁发射	不适用	

表 1：指南和制造商声明 - 电磁辐射

指南和制造商声明 - 电磁抗扰度			
Comper 智能美容仪预期使用在下列规定的电磁环境下，购买者或使用者应保证它在这种电磁环境下使用。			
抗扰度试验	IEC60601 试验水平	符合水平	电磁环境 - 指南
静电放电 (ESD) GB/T 17626.2	±6 kV 接触放电 ±8 kV 空气放电	±6 kV 接触放电 ±8 kV 空气放电	地面应该是木质、混凝土或瓷砖，如果地面用合成材料覆盖，相对湿度应该至少 30%。
电快速瞬变脉冲群 GB/T 17626.4	±2kV 对电源线	±2kV 对电源线	网电源应具有典型的商业或医院环境下使用的质量。
浪涌 GB/T 17626.5	线对线为 ±1kV 线对地为 ±2kV	线对线为 ±1kV 线对地为 ±2kV	网电源应具有典型的商业或医院环境下使用的质量。
电源输入线上电压暂降、短时中断和电压变化 GB/T 17626.11	< 5% UT 对 0.5 周 (在以内 (UT 上, > 95% d 的暂停) 40% UT 对 5 周 (在以内 (UT 上, 60% 的暂停) 降低 60%) 70% UT 对 25 周 (在 UT 上, 30% 的暂停) 以内 (UT 降低 30%) < 5% UT 对 5 秒 (在 UT 上, > 95%	符合 符合 符合 符合	网电源应具有典型的商业或医院环境下使用的质量。 如果 Comper 智能美容仪的用户在电源中断期间需要连续运行，则推荐采用不间断电源或电池供电。
工频磁场 (50/60Hz) GB/T 17626.8	3 A/m	3 A/m	工频磁场应具有典型的商业或医院环境中典型场所的工频磁场水平特性。
注：UT 是优先适用试验电平的交流电网电压。			

表 2: 指南和制造商声明 - 电磁抗扰度

指南和制造商声明 - 电磁抗扰度			
Comper 智能美容仪预期使用在下列规定的电磁环境下，购买者或使用者应保证它在这种电磁环境下使用。			
抗扰度试验	IEC60601 试验水平	符合水平	电磁环境 - 指南
射频传导 GB/T 17626.6	3 Vrms 150kHz ~ 80MHz	3Vrms	便携式和移动式射频通信设备不应比推荐的隔离距离更靠近 Comper 智能美容仪的任何部分使用，包括电话。该距离应由于发射机频率相应的公式计算。推荐的隔离距离： $d = 1.2 \sqrt{P}$ $d = 1.2 \sqrt{P}$ 80MHz to 800MHz; $d = 2.3 \sqrt{P}$ 800 MHz to 2.5GHz 式中， P—根据发射机制造商提供的发射机最大额定输出功率，单位为瓦特 (W)； d—推荐的隔离距离，单位为米 (m)。固定式射频发射机的场强通过对电磁场所勘测 a 来确定，在每个频率范围 B 都应符合电平低。在标记下列符号的设备附近可能出现干扰。
射频辐射 GB/T 17626.3	3V/m 80 MHz ~ 2.5 GHz	3Vrms	
注 1：在 80 MHz 和 800 MHz 频率点上，采用较高频段的公式。			
注 2：这些指南可能不适合所有的情况，电磁传播受建筑物、物体及人体的吸收和反射的影响。			

a 在 150 kHz 和 80 MHz 之间的工科医频带是指 6.765 MHz ~ 6.795 MHz、13.553 MHz ~ 13.567 MHz、26.957 MHz ~ 27.283 MHz 和 40.66 MHz ~ 40.70 MHz。

b 在 150 kHz ~ 80 MHz 之间的工科医频带及 80 MHz ~ 2.5 GHz 频率范围内的符合电平，是用来减少因移动式 / 便携式通信装置被偶然带入患者区域时引起干扰的可能性。为此，附加因子 10/3 用于计算在这些频率范围内发射机的推荐隔离距离。

c 固定式发射机，诸如：无线（蜂窝 / 无线）电话和地面移动式无线电的基站、业余无线电、调幅和调频无线电广播以及电视广播等，其场强在理论上都不能准确预知。为评定固定式射频发射机的电磁环境，应考虑电磁场所的勘测。如果测得 [ 设备或系统 ] 所处场所的场强高于上述适用的射频符合电平，则应观测 [ 设备或系统 ] 以验证其能正常运行。如果观测到不正常性能，则补充措施可能是必需的，比如重新调整 [ 设备或系统 ] 的方向或位置。

d 在 150 kHz ~ 80 MHz 整个频率范围，场强应低于 3V/m。

表 3：指南和制造商声明 - 电磁抗扰度

#### 便携式及移动式射频通信设备和智能美容仪之间的推荐隔离距离

Comper 智能美容仪预期在射频辐射骚扰受控的电磁环境中使用。依据通信设备最大输出功率，Comper 智能美容仪的购买者或使用者可通过维持下面推荐的便携式及移动式射频通信设备（发射机）和智能美容仪之间的最小距离来防止电磁干扰。

发射器的额定功 (W)	依照发射器的功率得出的安全距离 (m)		
	150 kHz - 80 MHz $d=1.2\sqrt{P}$	80 MHz - 800 MHz $d=1.2\sqrt{P}$	800 MHz - 2.5 GHz $d=2.3\sqrt{P}$
0.01	0.12	0.12	0.23
0.1	0.38	0.38	0.73
1	1.2	1.2	2.3
10	3.8	3.8	7.3
100	12	12	23

对于上表未列出的发射机最大额定输出功率，推荐隔离距离，以米 (m) 为单位，可用相应发射机频率栏中的公式来确定，这里是由发射机制造商提供的发射机最大额定输出功率，以瓦特 (W) 为单位。

注 1：在 80 MHz 和 800 MHz 频率点上，采用较高频段的公式。

注 2：在 150 kHz 和 80 MHz 之间的工科医频带是指 6.765 MHz ~ 6.795 MHz、13.553 MHz ~ 13.567 MHz、26.957 MHz ~ 27.283 MHz 和 40.66 MHz ~ 40.70 MHz。

注 3：附加因子 10/3 用于计算在 150 kHz ~ 80 MHz 的工科医频带和 80 MHz ~ 2.5

GHz 频率范围内的发射机的推荐隔离距离，以减少便携式 / 移动式通信设备被偶然带入患者区域时能引起干扰的可能性。

注 4：这些指南可能不适合所有的情况。电磁传播受建筑物、物体及人体的吸收和反射的影响。

表 4：便携式及移动式射频通信设备和设备或系统之间的推荐隔离距离

## 预防措施

- 如果您在使用了 Comper 智能美容仪之后出现任何不适，请立即停止使用。
- 如果您认为使用了 Comper 智能美容仪之后出现了明显的副作用，请立即咨询您的医生。
- 如果您有下列疾病或症状，在使用前请咨询医生：心脏病、癫痫、癌症、免疫系统疾病，急性感染，体内有金属植入物如起搏器等。
- 在操作区域周围植入金属植入物或起搏器个人应避免使用该设备。
- 面部有过敏或感觉障碍问题的患者应谨慎使用，或在使用前咨询医生。
- 关于孕妇或产后妇女使用 RF、EMS 和 LED 技术的安全性尚未得到证实。
- 在使用美容仪时，您眼中可能出现闪光感，这是由于您的视神经受到电流刺激造成的。如果您经常在并未使用美容仪时出现到这种情况，请咨询您的医生。
- 使用时远离电磁干扰源，例如微波炉、无线电通讯装置、医院 CT 设备、安监系统等。
- 请勿在以下部位使用：嘴唇、眼皮、眼球、眼部周围（冷却模式除外）、整形填充、伤口（LED 红光模式除外）。

## 售后政策

1. 从购买之日起，Comper（康铂）对智能美容仪设备承诺为期一年的免费检查、维修服务，包括因材料和装配导致的产品瑕疵和故障问题；
2. 因使用不当、意外掉落、暴力损坏、擅自维修拆装、自然灾害、不当存储或保养等原因导致的设备损毁，不在免费检查、维修或换新的承诺范围之内；
3. Comper 提供了多重渠道和您建立联系，您可以随时通过社交网络、购物平台、电子邮件及电话获取我们的售后服务和技术支持。您可以通过本手册下方的“联系我们”获取更多细节；
4. 售后承诺并不包含因产品问题和故障维修所导致的其它关联损失。

## 产品中有害物质的名称及含量

部件名称	有害物质					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
电路板上的贴片电容	X	○	○	○	○	○
电路板上的二极管	X	○	○	○	○	○
电路板上的电阻	X	○	○	○	○	○
适配器中的二极管	X	○	○	○	○	○

本表格依据 SJ/T 11364 的规定编制

○: 表示该有害物质在该部件所有均质材料中的含量均在 GB/T 26572 规定的限量要求以下。

X: 表示该有害物质至少在该部件某一均质材料的含量超过 GB/T 26572 规定的限量要求。



此标志标识产品的环保使用期限为 10 年，在环保使用期限内，产品中含有的有毒有害物质或元素在正常使用下不会发生外泄或突变，用户使用该产品不会对环境造成严重污染或对其人身、财产造成严重损害。产品过了环保使用期要废弃时，必须按国家相关法律法规进行合理处理。

## 联系我们

单位名称：康铂创想（北京）科技有限公司  
 全国服务热线：400 900 1020  
 微信服务号：Comper-Healthcare  
 微信客服 ID：comper2016， comper2014  
 邮箱：help@comper.com

## 制造商信息

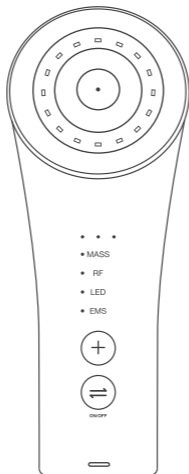
制造商：康铂创想（北京）科技有限公司  
 地址：北京市北京经济技术开发区康定街 1 号 1 幢 4 号楼 1 层 102、103 室





# User Manual

Product model: SKC-1S



comper

To ensure your immediate success, please read this entire User Manual prior to using your device.

## Table of contents

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## Introduction

### Comper Smarkin Device

Comper Smarkin is a multi-function smart facial machine integrating the RF, EMS, LED and vibration functions that results better anti-aging and face-lifting performance due to their high-efficiency collaboration.

The Smarkin is for anyone wanting to improve skin condition of face and is suitable for most people.

### Intended use

According to the collaboration of functions including RF, LED, EMS and MASS, the skin of face will be adequately stimulated and illuminated except for upper and lower eyelids. Consequently, using Comper Smarkin can improve wrinkles, tighten skin and renew radiance of users'face.

### Clinical application

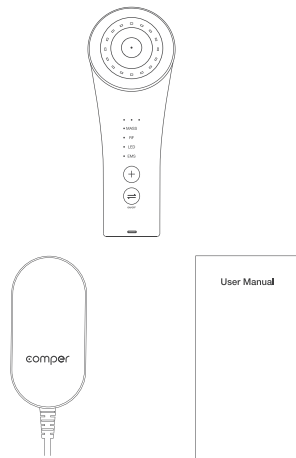
1. Radio frequency skin tightening (RF) is an aesthetic technique that uses RF energy to heat tissue and stimulate the production of new collagen and elastin in order to remodel tissue and reduce the appearance of fine lines and loose skin.
2. EMS uses low electric currents passing through the skin to produce several therapeutic effects such as muscle toning in the body and micro-lifting of the face.
3. LED is a light source for non-thermal skin rejuvenation because of it can active cells, especially the fibroblasts. LED treatment has been shown to be effective for improving wrinkles and skin laxity.

### Comper Health App

As Smarkin's partner, Comper Health App will analyze your skin health data to help you manage your skin health condition and offers user-defined skin-care routine according to personal skin type and preference. Automatically power off if left idle for 60 seconds.

### Package contents

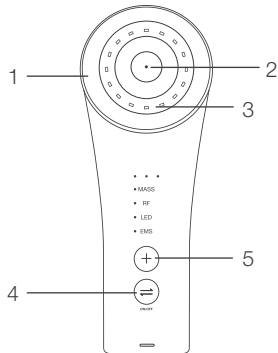
- Comper Smarkin Device
- Power Adapter
- User Manual



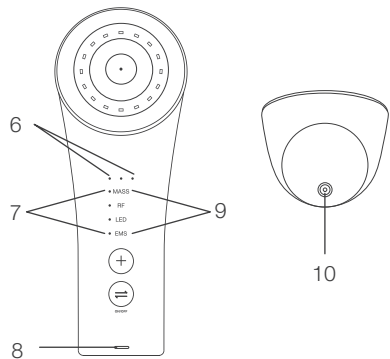
## Product Structure, Specifications and Accessories

### Product structure

- 1.Electrodes
- 2.Temperature Sensor
- 3.LED Therapy
- 4.Power Button / Function-switch Button
- 5.Intensity Up/Down Button
- 6.Intensity Indicator



- 7.Function Indicator
- 8.Power indicator
- 9.Function Panel: Massage, Radio Frequency, Electro muscle Stimulation, LED Therapy
- 10.DC interface



## General specifications

Trade name: Comper Smarkin  
Mode:SKC-1S  
Size: 54\*138\*50(mm)  
Weight: 130±10g  
Input Rated: 100-240V~, 50/60 Hz,  
Output: 12V ~3 A  
Peak Power: 24w  
Functions: MASS, RF, EMS, LED  
Bluetooth:BT4.0,BLE  
Water Resistance:IPX6  
Storage temp:-10° C-55° C  
Working temp:10° C-40° C  
Working Humidity:10%-85%

\* To protect your skin, a temperature sensor is embedded in Comper Smarkin. This sensor ensures the skin's surface will not exceed 42° C / 107.6° F.

## Accessories

HA Essence (not included)

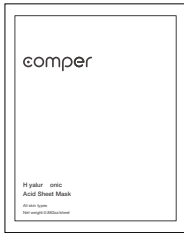


Rub the HA Essence on your treatment area of face before using the Smarkin. This product can offer your skin with sufficient water and help the Smarkin achieve better effect.

Ingredients: Water, butyl glycol, 1, 2 - Pentylene Glycol, poly glutamic acid, beta glucan, methyl gluconic alcohol polyether - 20, hydrolyzed oat protein, sodium hyaluronate, acetyl six peptide - 8, carbomer, hydroxyphenyl propionamide benzoic acid, triethanolamine, phenoxyethanol, ethyl hexyl glycerin, hydroxyl methyl benzene.

## Before using your device

### Hyaluronic Acid Sheet Mask (not included)



Apply the Hyaluronic acid sheet mask after using the Smarkin. The mask can offer your skin with sufficient water and help to improve your skin condition.

Ingredients: Water, glycerin, propylene glycol, butanediol, beta glucan, allantoin, hyaluronic acid, xanthan gum, curacao aloe leaf extract, peony root extract, licorice extract, the hydroxy acetophenone, 1, 2 - diol.

\* Hyaluronic acid sheet mask needs additional purchase.

1. Check the contents of the package, read the user manual comprehensively.
2. Clean up and wipe your face before the operation.
3. Be sure the power adaptor is connected.

## Usage instructions

### Contraindications

- Do not use if you have a history of epilepsy or seizures.
- Do not use if you have had recent facial surgery or other surgical procedure — consult your doctor.
- Do not use if you have an electronic implanted device such as a defibrillator, neurostimulator, pacemaker, or ECG Monitor. If you use a body-worn medical device, such as an insulin pump, consult your doctor prior to use.
- Do not use if you have any active cancer or over any suspicious or cancerous lesion — consult your doctor.
- Do not use if you are pregnant.
- Do not use on infants and children under the age of 18, and keep device and attachments out of the reach of children.
- Do not use if you have metal braces on your teeth.
- Do not use if you have open sores or wounds.
- Do not use if you have prone to rosacea.
- Do not use if you have problematic or sensitive skin.

### Treatment areas

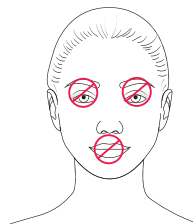
The Smarkin is designed for large surface areas of the face, such as the jawline, cheeks and forehead.



### Caution

Do not use for eyes, eyelids, and surrounding tissue (orbicularis oculi muscle)

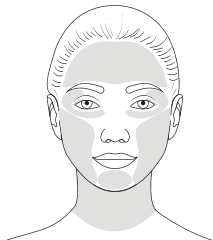
Do not use for lips (labium superius oris and labium inferius oris)



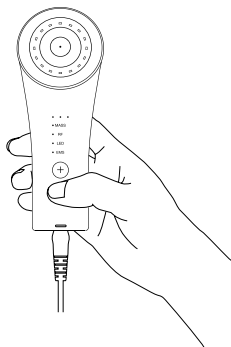


## Use Comper Smarkin without App

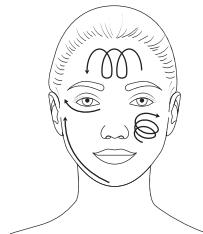
1. Rub the HA Essence on the area will be applied by the Comper Smarkin in a moderate quantity and you can add more in following process.



2. Being sure the device is connected with the adaptor, hold the power button for 2 seconds to turn on the device, and you can directly start your skincare process.

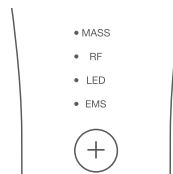


3. Slowly move the device on your treatment areas which are illustrated at "Treatment area" section above.



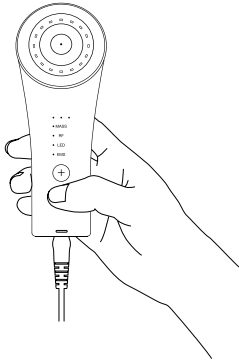
4. The function indicators will indicate the automatic function alteration during the operation, while you can also manually skip the function to the next one by pressing the Function-switch button.

5. Press the intensity up or down button to adjust the level of functional intensity.



## Use Comper Smarkin with App

6. The Comper Smarkin will stop working as the predefined treatment session being done or time being up and standby for one minute with intensity indicator successively blinking.
7. Hold the Power button for 2 seconds to turn off the device or wait one minute for its automatic turnoff after use.



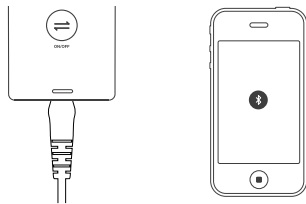
- \* The predefined treatment session usually include three combined functions listed at below consecutively, you will have these normal feelings when you are in each specific part.
- a. MASS+RF function: vibrated and gently heated.
  - b. RF+LED function: gently heated and exposed in red light.
  - c. LED+EMS function: exposed in red light and slightly tingled.

### Bind for first time

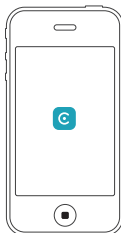
1. Search "Comper Health" in App store or scan the QR cord at below, download and open it.



2. Being sure the device is connected with the adaptor and the bluetooth of your smartphone is open.



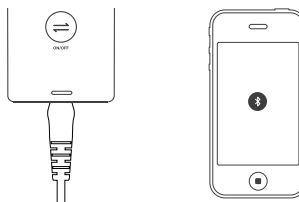
3. Open the App and find "my device", bind the Comper Smarkin device following illustrations below. The App will prompt the success of binding, with the Smarkin buzzing for 1 second and vibrating twice. If binding failed, follow indications on App and rebind it.



4. If you want to control your device with another phone, you need to repeat procedures above again.

### Daily use

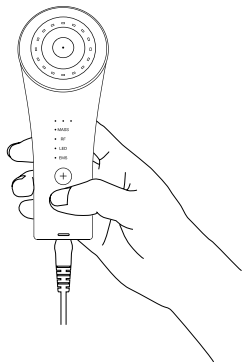
1. Be sure the device is connected with the adapter and the bluetooth of your smartphone is open.



2. Open the Comper health App and click "+" at the bottom to start skin care.



3. The Comper Smarkin will stop working and standby for one minute with intensity indicator successively blinking after your skin care routine finished. Hold the Power button for 2 seconds to turn off the device or wait one minute for its automatic turnoff after use.



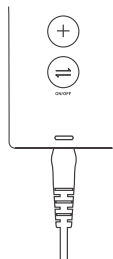
### Restore default skincare mode

The default skincare mode preset in device will be replaced by your personal skincare modes. There are 2 options to quickly go back to default mode.

Option 1 : Directly choose the "Default mode" in Comper Health App.



Option 2: Be sure that the device is connected with the adaptor and the power is turned off. Hold the Power Button and Intensity Up/Down Button at the same time for 3 seconds, the device will vibrate to indicate that the Default Mode is restored.



## Cleaning, disinfection and storage.

### Cleaning procedure

1. Turn off the device and disconnect the adapter from it.
2. Wash the device under the water flow with hand or cotton fabric.
3. Wipe the device with a dry cotton fabric or dry it in the air after cleaning.

### Caution

Do not immerse the device into water for long time.

Do not expose the DC interface to water and other liquid.

### Disinfection

Please use cotton cloth with 75% medical alcohol to scrub Smarkin regularly.

### Storage

Do not keep the device in a high temperature or moist place



\*To protect the environment

Do not discard Comper Smarkin with the normal household waste. Dispose of it at an official recycling collection point. Please call your local recycling depot for locations and proper recycling instructions.

## Frequently asked question

### 1.What kind of results will I see, and how quickly will I see them?

Comper Smarkin users have claimed to experience improved facial contour, skin tone and wrinkle reduction. Results and time to onset may vary based on personal skin type and condition. Best results are achieved with regular use. We recommend you to take photos before and after to observe your progress.

### 2.When and how often should I use Comper Smarkin?

There is no limit. We recommend the time before your make-up in the morning and after washing your face in the night. Use the device according to the frequency you can accept and do not overuse.

### 3.Can I use while wearing makeup?

NO. Your skin should be clean and free of any makeup.

### 4.Can I replace HA Essence with other skin care product?

Yes, you can choose other analogous hyaluronic acid product if it could offer similar using experience during device's operation, but Comper is not responsible for any possible problems.

### 5.Is it normal to have a tingling sensation during device's operation?

A slight tingling sensation may occur while using Comper Smarkin. Lowering the intensity, moving the device continuously or increasing the quantity of HA Essence may reduce or eliminate this sensation..

### 6.Can I use comper smarkin when my skin is allergic?

No, Comper Smarkin can't solve the problem of your allergy and even worsen skin's condition.

## Emitted electromagnetic interference

The Comper Smarkin is intended for use in the electromagnetic environment specified below. The customer or the user of the Comper Smarkin should confirm that it is used in such an environment..

Emissions test	Compliance	Electromagnetic environment guidance
RF emissions CISPR 11	Group 1, Class A	The Comper Smarkin 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.
Harmonic emissions IEC 61000-3-2	Class A	
Voltage fluctuations/ flicker emissions IEC 61000-3-3	Complies	

Table 1: Electromagnetic Environment specified

## Electromagnetic immunity

Emissions test	Compliance	Electromagnetic environment guidance
Electrostatic discharge (ESD) IEC 61000-4-2 6kV contact 8kV air	$\pm 2kV, \pm 4kV, \pm 6kV$ contact $\pm 2kV, \pm 4kV, \pm 8kV$ air discharge	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%.
Electrical fast transient/ burst IEC 61000-4-4 $\pm 2kV$ for power supply lines	$\pm 2kV$ for power supply lines	Mains power quality should be that of a typical commercial or hospital environment.
Surge IEC 61000-4-5 $\pm 1kV$ Line to line $\pm 2kV$ Line to earth $\pm 2kV$ Line to earth	$\pm 1kV$ Line to line $\pm 2kV$ Line to earth	Mains power quality should be that of a typical commercial or hospital environment.
Voltage dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11	<5% UT(>95% dip in UT) for 0,5 cycle 40% UT(60% dip in UT) for 5 cycles 70% UT (30% dip in UT) for 25 cycles <5% UT (>95% dip in UT) for 5 sec	Mains power quality should be that of a typical commercial or hospital environment. If the user of the Comper Smarkin requires continued operation during power mains interruptions, it is recommended that the Comper Smarkin be powered from an uninterruptible power supply or a battery.
Power frequency (50/60 Hz) magnetic field IEC 61000-4-8	3 A/m	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.

Conducted RF IEC 61000-4-6 3Vrms 150kHz to 80MHz	3Vrms 150kHz to 80MHz	Portable and mobile RF communications equipment should be used no closer to any part of the Comper Smarkin, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. Recommended separation distance.
Radiated RF IEC 61000-4-3 3 V/m 80 MHz to 2.5GHz	3 V/m 80 MHz to 2.5GHz	$d = \left[ \frac{35}{f_1} \right] \sqrt{P}$ $d = \left[ \frac{35}{f_1} \right] \sqrt{P_{80MHz \text{ to } 800MHz}}$ $d = \left[ \frac{1}{f_1} \right] \sqrt{P_{80MHz \text{ to } 2.5GHz}}$ <p>where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and d is the recommended separation distance in meters (m). Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey, should be less than the compliance level in each frequency range B. Interference may occur in the vicinity of equipment marked with the following symbol.</p>
<p>Notes</p> <ul style="list-style-type: none"> <li>At 80 MHz and 800 MHz, the higher frequency range applies</li> </ul> <p>These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.</p> <p>a) 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 Comper Smarkin is used exceeds the applicable RF compliance level above, the Comper Smarkin should confirm its normal operation. If abnormal performance is observed, additional measures may be necessary, such as reorienting or relocating the Comper Smarkin.</p> <p>Over the frequency range 150kHz to 80MHz, field strengths should be less than 3 V/m.</p>		

Table 2: Electromagnetic Immunity Environment

## Recommended safe distance

The Comper Smarkin is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the Comper Smarkin can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the Comper Smarkin as recommended below, according to the maximum output power of the communications equipment.

Rated maximum out- put power of	Separation distance according to frequency of transmitter (m)		
	$d = \left[ \frac{35}{f_1} \right] \sqrt{P}$	$d = \left[ \frac{35}{f_1} \right] \sqrt{P_{80MHz \text{ to } 800MHz}}$	$d = \left[ \frac{1}{f_1} \right] \sqrt{P_{80MHz \text{ to } 2.5GHz}}$
0.01	0.12	0.12	0.23
0.1	0.37	0.37	0.74
0.1	1.17	1.17	2.33
10	3.70	3.70	7.37
100	11.70	1.70	23.30

Table 3: Recommended Safe Distance

## Precautions

- If using Comper Smarkin causes any discomfort, discontinue use immediately.
- If you suspect that you have had a negative reaction from using Comper Smarkin, consult your doctor immediately.
- Please ask your doctor before the use of Comper Smarkin if you have suspected or diagnosed as heart disease , epilepsy, cancer, immune system disease or acute infection.
- The individuals with metal implant or pacemaker around the operational area should avoid of using this device.
- The individuals with allergic or sensation problem on the face should use the device cautiously, or consult the doctor before use.
- Do not use the device over the lips, eyeball, swollen or infected skin, the open wound can't be operated as well except of LED which boots the wound to heal faster.
- The safety of technologies about RF, EMS and LED using for pregnant or postpartum woman have not been proven.
- There may be a perception of flashing lights during the use of your Comper Smarkin, resulting from the stimulation of your optic nerve. If you notice this condition constantly without the use of your Comper Smarkin, consult your doctor.
- Please use the device by keeping away from the equipment with electromagnetic field such as microwave, radio, CT and CCTV.

## Warranty

- 1.Comper promises a one year warranty starting from the date of purchase for free checking and solving all the defects in Comper Smarkin.
- 2.The warranty may not include the damage caused by drop,misuse, abuse ,self-repair and disassemble, natural disasters, improper storage and maintenance.
- 3.Comper provides multiple channels for the global users to find the after-sale service and support. That include the online store, social network , e-mail and official website. Check the "contact us " section in this user manual for more details.
- 4.The warranty do not cover the consequential damages caused by the product, and the any costs in getting the product repaired.



## Contact us

### Type and voice with us in real-time for after sale, technology support and health consultation

1. Search "Wechat" in App store , download and open it .
2. Select "Discover" at bottom , select "Scan QR Code" to scan one of two QR Codes at below:



3. Add Comper official account as your friend, talk with our medical and technical staffs , enjoy the daily communication with Comper's global users in Wechat Group.

### E-mail us for timely feedback within 12 hours

Service@comper.com

### Contact us on social media

Facebook: Comper Healthcare

Instagram: Comperhealthcare

Twitter: Comperhealth

### Get more supports from Comper's website

[www.comper.com](http://www.comper.com)

## Manufacturer

Manufacturer: Comper Chuangxiang (Beijing) Technology Co., Ltd.  
Address: Room 102-103 1st Floor, Building 4, No.1 Kangding Street,  
Daxing District Beijing, China

