

Charge 2 Plus (with SN starting with GG)


Portable Wireless Stereo Speaker with passive bass radiators, 6000 mAh battery for 12 hours of playing time and charging of other devices through USB. Social mode to share music, microphone for telephone conference use, with echo and noise reduction systems.



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Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket or table specified by the manufacturer or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over. 
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, or the apparatus has been exposed to rain or moisture, does not operate normally or has been dropped.
15. Do not expose this apparatus to dripping or splashing and ensure that no objects filled with liquids, such as vases, are placed on the apparatus.
16. To completely disconnect this apparatus from the AC Mains, disconnect the power supply cord plug from the AC receptacle.
17. The mains plug of the power supply cord shall remain readily operable.
18. Do not expose batteries to excessive heat such as sunshine, fire or the like.

For Products That Transmit and Receive RF Energy:

FCC Regulations (USA Only)

FCC Information For Users

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference; and (2) this device must accept any interference received, including interference that may cause undesired operation.

Radio and Television Interference

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and then on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Increase the separation between the equipment and receiver.
- Connect the equipment to a different outlet so that the equipment and receiver are on different branch circuits.
- Consult the dealer or an experienced radio/TV technician for help.

NOTE: Changes or modifications not expressly approved by Harman could void the user's authority to operate the equipment.

IC Statement and Warning (Canada Only)

This Class B digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

For Canadian Model

This Class B digital apparatus complies with Canadian ICES-003.

Modèle pour les Canadiens

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

For Products with Radio Receivers That Can Use an External Antenna:

CATV or Antenna Grounding

If an outside antenna or cable system is connected to this product, be certain that it is grounded so as to provide some protection against voltage surges and static charges. Section 810 of the National Electrical Code, ANSI/NFPA No. 70-1984, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes and requirements of the grounding electrode.

Note to CATV System Installer:

This reminder is provided to call the CATV (cable TV) system installer's attention to article 820-40 of the NEC, which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as possible.

For CD/DVD/Blu-ray Disc™ Players:

CLASS 1 LASER PRODUCT
KLASSE 1 LASER PRODUKT
LUOKAN 1 LASER LAITE
KLASS 1 LASER APPARAT
CLASSE 1 PRODUIT LASER

CAUTION

RISK OF ELECTRIC SHOCK. DO NOT OPEN.



THE LIGHTNING FLASH WITH AN ARROWHEAD SYMBOL, WITHIN AN EQUILATERAL TRIANGLE, IS INTENDED TO ALERT THE USER TO THE PRESENCE OF UNINSULATED "DANGEROUS VOLTAGE" WITHIN THE PRODUCT'S ENCLOSURE THAT MAY BE OF SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK TO PERSONS.



THE EXCLAMATION POINT WITHIN AN EQUILATERAL TRIANGLE IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE PRODUCT.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE.

Caution:

This product uses a laser system. To prevent direct exposure to the laser beam, do not open the cabinet enclosure or defeat any of the safety mechanisms provided for your protection. DO NOT STARE INTO THE LASER BEAM. To ensure proper use of this product, please read the owner's manual carefully and retain it for future use. Should the unit require maintenance or repair, please contact your local Harman Kardon service center. Refer servicing to qualified personnel only.

For Products That Include Batteries:



Instructions for Users on Removal and Disposal of Used Batteries.

CAUTION

Risk of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.

Alkaline batteries are considered nonhazardous. Rechargeable batteries (i.e., nickel cadmium, nickel metal-hydride, lithium and lithium-ion) are considered hazardous household materials and may pose an unnecessary health and safety risk.

In the European Union and other locations, it is illegal to dispose of any battery with household trash. All batteries must be disposed of in an environmentally sound manner. Contact your local waste management officials for information regarding the environmentally sound collection, recycling and disposal of used batteries.

To remove the batteries from your equipment or remote control, reverse the procedure described for inserting batteries in the owner's manual.

For products with a built-in battery that lasts for the lifetime of the product, removal may not be possible for the user. In this case, recycling or recovery centers handle the dismantling of the product and the removal of the battery. If, for any reason, it becomes necessary to replace such a battery, this procedure must be performed by authorized service centers.

ELECTROSTATICALLY SENSITIVE (ES) DEVICES

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field effect transistors and semiconductor "chip" components.

The following techniques should be used to help reduce the incidence of component damage caused by static electricity.



1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge build-up or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charge sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material.)
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

CAUTION : Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES devices.

PRODUCT SAFETY NOTICE

Each precaution in this manual should be followed during servicing.

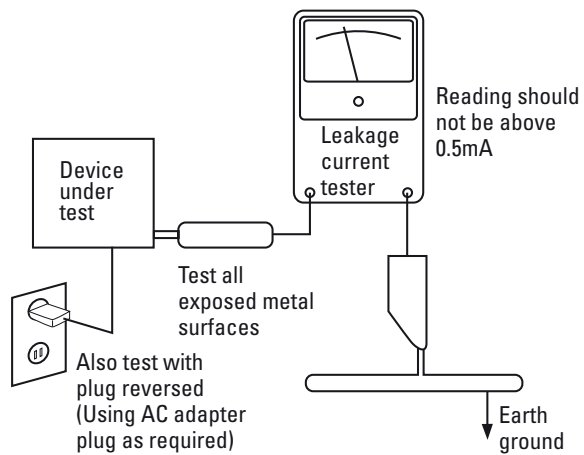
Components identified with the IEC symbol  in the parts list are of special significance to safety. When replacing a component identified with , use only the replacement parts designated, or parts with the same ratings or resistance, wattage, or voltage that are designated in the parts list in this manual. Leakage-current or resistance measurements must be made to determine that exposed parts are acceptably insulated from the supply circuit before returning the product to the customer.

SAFETY PRECAUTIONS

The following check should be performed for the continued protection of the customer and service technician.

LEAKAGE CURRENT CHECK

Measure leakage current to a known earth ground (water pipe, conduit, etc.) by connecting a leakage current tester between the earth ground and all exposed metal parts of the appliance (input/output terminals, screwheads, metal overlays, control shaft, etc.). Plug the AC line cord of the appliance directly into a 120V AC 60Hz outlet and turn the AC power switch on. Any current measured must not exceed 0.5mA.



AC Leakage Test

ANY MEASUREMENTS NOT WITHIN THE LIMITS OUTLINED ABOVE ARE INDICATIVE OF A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

SPECIFICATIONS

- Bluetooth® version: 3.0
- Support: A2DP V1.3, AVRCP V1.5, HFP V1.6, HSP V1.2
- Transducer: 2 x 45mm
- Rated power: 2 x 7.5W
- Frequency response: 75Hz–20kHz
- Signal-to-noise ratio: >80dB
- Power supply: 5VDC, 2.3A USB Output: 5V, 2.1A (maximum)
- Battery type: Lithium-ion polymer (3.7V, 6000mAh)
- Battery charge time: 4hrs @ 1.8A
- Music playing time: up to 12 hours (varies by volume level and audio content)
- Bluetooth® transmitter power: 0–4dBm
- Bluetooth® transmitter frequency range: 2.402–2.480GHz
- Bluetooth® transmitter modulation: GFSK, $\pi/4$ DQPSK, 8DPSK
- Dimensions: Φ 79mm x 185.2mm
- Weight: 600g



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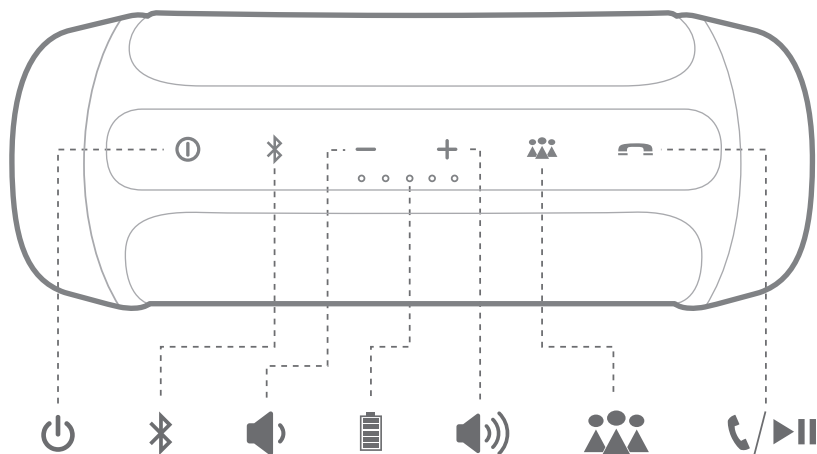
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1 What's in the box



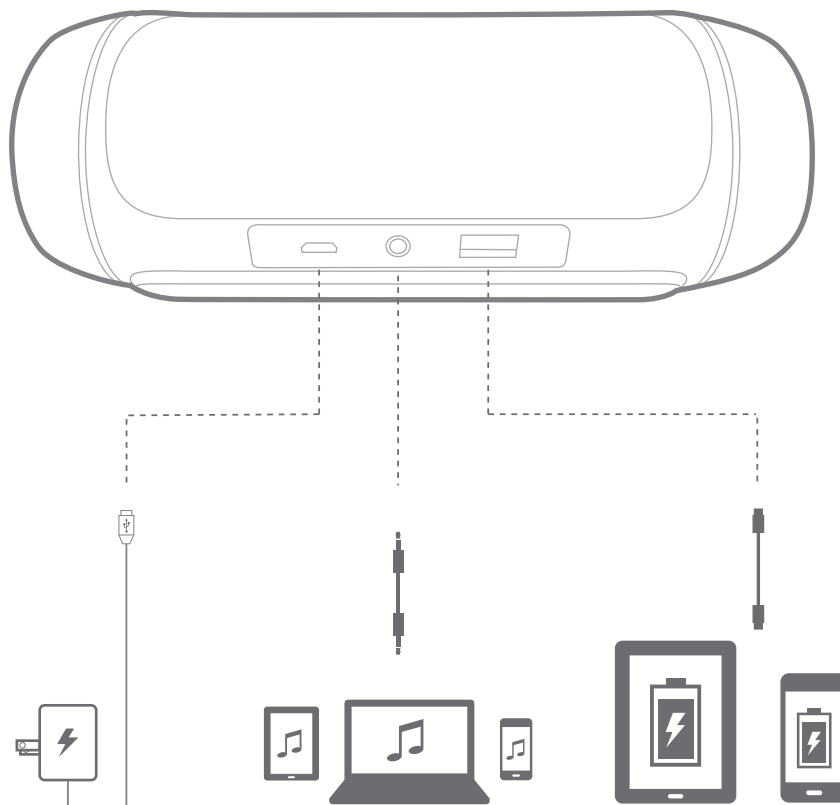
2 Buttons



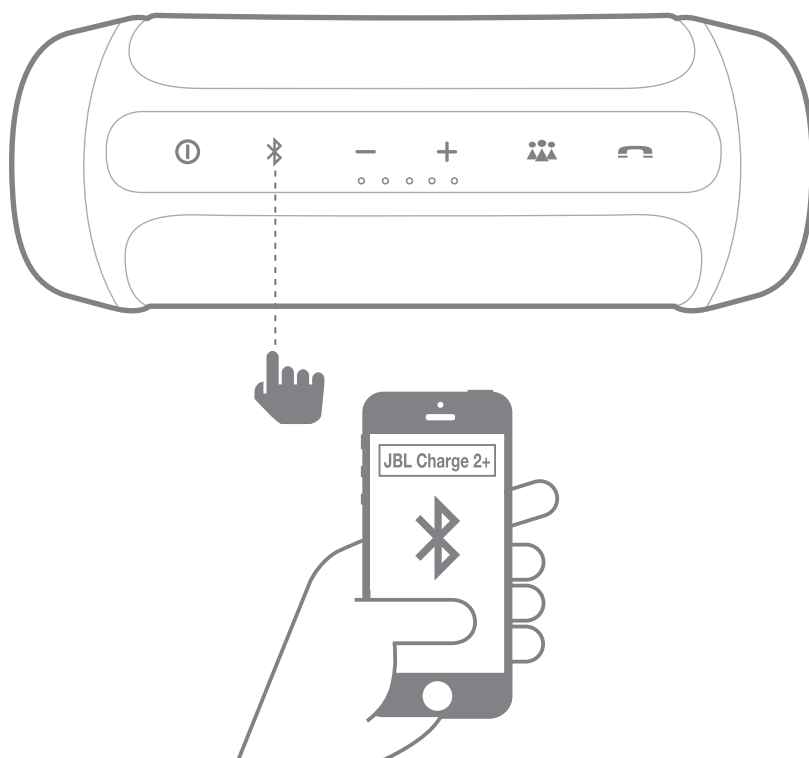
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3 Connections



4 Bluetooth®

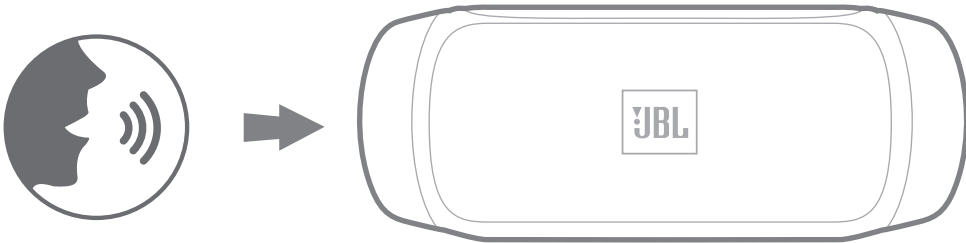
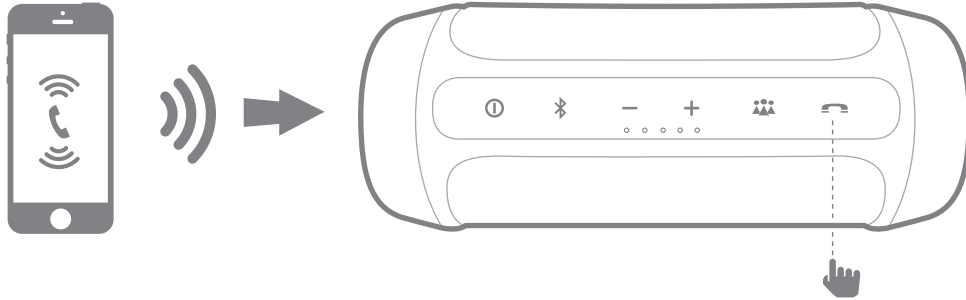


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5 Hands-free



6 Social mode

Can connect a maximum of 3 devices.

Peut se connecter à 3 appareils au maximum.

Se puede conectar un máximo de 3 dispositivos.

Permite conectar até três dispositivos.

Es können maximal 3 Geräte angeschlossen werden.

E' possibile collegare massimo 3 dispositivi.

Aansluiting van maximaal 3 apparaten is mogelijk.

Kan koble til opptil tre enheter.

Enintään 3 laitteen liittämiseen.

Возможно подключение максимум к 3 устройствам.

Kan ansluta max tre enheter.

Maksimalt 3 enheder kan tilsluttes.

最大3つの機器に接続可能。

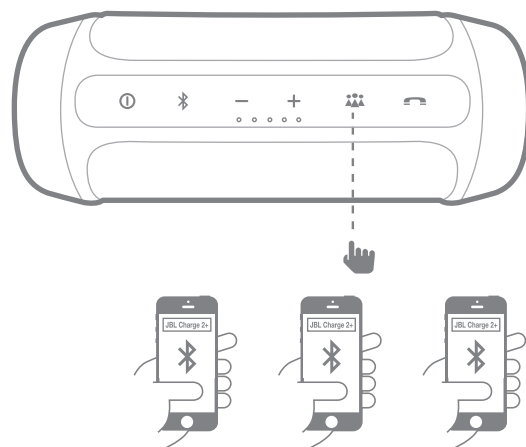
Można podłączyć maksymalnie głośniki 3.

최대 장치 3개와 연결할 수 있습니다.

最多可以連線 3 個裝置。

最多可连接 3 个设备。

Dapat menyambungkan maksimum 3 perangkat.



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Press play to take control.

Appuyez sur lecture pour prendre le contrôle.

Pulse Play para tomar el control.

Pressione Play para assumir o controle.

Drücken Sie auf 'Play', um die Steuerung zu aktivieren.

Premi play per prendere il controllo.

Druk op play om te beginnen.

Trykk på "Play" for å ta over kontrollen.

Hallitse painamalla toistopainiketta.

Для управления нажмите кнопку воспроизведения.

Tryck på "spela" för att ta kontrollen.

Tryk på Afspil for at tage kontrol.

コントロールするにはplay（プレイ）を押してください。

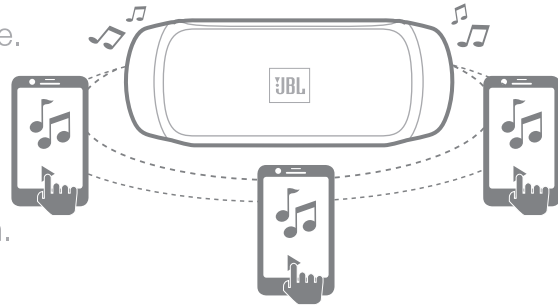
Naciśnij, aby przejąć kontrolę.

재생 버튼을 눌러 모든 기능을 즐겨보세요.

按下 Play 來進行控制。

按 Play 以获取控制。

Tekan putar untuk mengambil alih.



7

LED Behavior

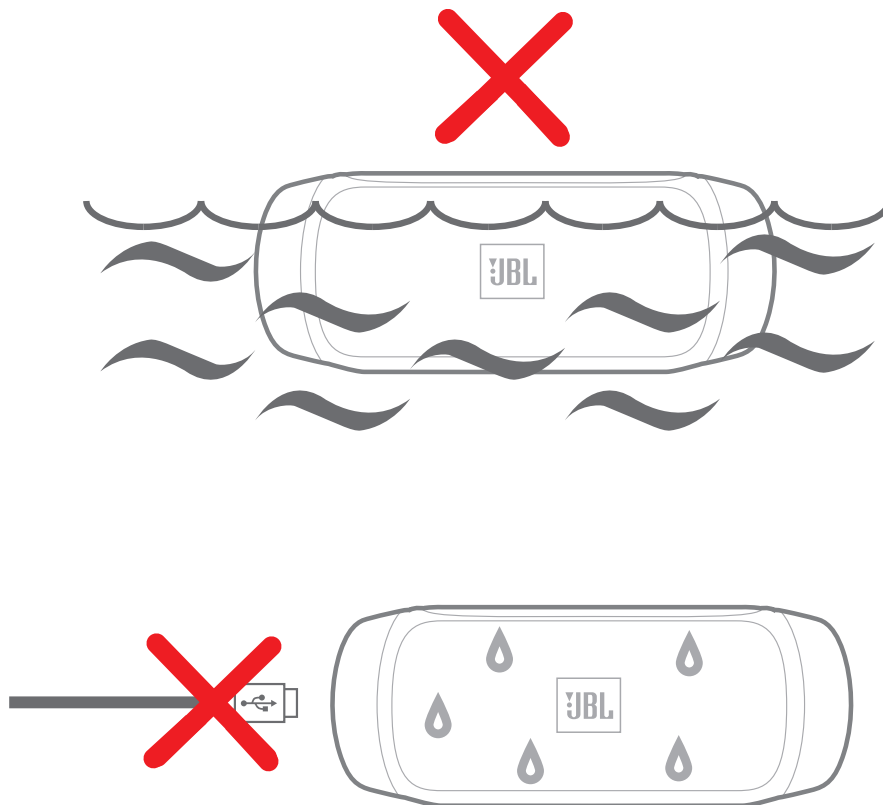
	OFF	Blinking	ON
ⓘ	Product is OFF	Standby	Product is ON
📶	Not connected	Pairing mode	Connected
☎	Call not active	Phone ringing	Call active
👥	Social mode OFF	NA	Social mode ON

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8 Warning



JBL Charge 2+ is splashproof; submerging it in water or other liquids may result in permanent damage to the speaker.

IMPORTANT: To ensure personal safety and successful charging, do not connect JBL Charge 2+ to any power source while the charging port is wet, and do not expose JBL Charge 2+ to dripping or splashing while charging, as doing so may result in permanent damage to the speaker or power source.

Splashproof is defined as water splashing against the enclosure from any direction shall have no harmful effect to the unit.

La JBL Charge2+ est protégée des éclaboussures, mais sa submersion dans l'eau ou un autre liquide peut endommager le haut-parleur définitivement.

IMPORTANT : Afin d'assurer votre sécurité et une charge correcte, ne connectez pas la JBL Charge2+ à une alimentation si la prise de charge est humide et n'exposez pas cet appareil à un égouttement ou à une projection pendant sa charge, car cela pourrait provoquer des dommages irréversibles au haut-parleur ou à l'alimentation.

La protection contre les éclaboussures est définie comme la résistance à de l'eau envoyée sur le boîtier depuis n'importe quelle orientation et qui ne provoque pas d'effet néfaste.

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JBL Charge2+ está protegido frente a salpicaduras. Sumergirlo en agua u otros líquidos puede dañar el altavoz de forma permanente.

IMPORTANTE: Con el fin de garantizar la seguridad personal y una carga correcta, no conecte JBL Charge2+ a ninguna fuente de alimentación con el puerto de carga húmedo y no exponga el aparato a goteos ni salpicaduras durante la carga. Hacerlo puede dañar de forma permanente el altavoz o la fuente de alimentación.

La protección frente a salpicaduras significa que las salpicaduras de agua dirigidas contra la carcasa desde cualquier dirección no deberían tener efectos perjudiciales.

O JBL Charge2+ é a prova de respingos, mas não deve ser mergulhado em água ou outros líquidos. Caso contrário, o altofalante pode sofrer danos permanentes.

IMPORTANTE: Para garantir a segurança e o funcionamento do carregador, nunca conecte o JBL Charge2+ a fontes de alimentação se a entrada de carregamento estiver molhada nem exponha o equipamento a gotas ou respingos ao carregar. Caso contrário, o altofalante ou a fonte de alimentação podem sofrer danos permanentes.

A expressão "à prova de respingos" significa que respingos de água no gabinete, vindos de qualquer direção, não danificam o equipamento.

JBL Charge2+ ist wasserspritzerfest - Eintauchen ins Wasser oder andere Flüssigkeiten kann den Lautsprecher jedoch dauerhaft beschädigen.

WICHTIG: Aus Sicherheitsgründen und um das Gerät erfolgreich aufladen zu können, darf JBL Charge2+ niemals an eine Stromquelle angeschlossen werden während der Ladeanschluss feucht ist. Zudem darf das Gerät niemals mit Wasserspritzern in Kontakt kommen während es aufgeladen wird, da dies den Lautsprecher oder die Stromquelle dauerhaft beschädigen kann.

'Wasserspritzerfest' bedeutet, dass die auf das Gehäuse aus irgendeiner Richtung spritzenden Wassertropfen keine Schäden verursachen können.

JBL Charge2+ è resistente agli schizzi; immergerlo in acqua od in altri liquidi potrebbe comportare un danno permanente all'altoparlante.

IMPORTANTE: Per garantire la sicurezza personale ed una corretta ricarica, non collegare JBL Charge 2+ ad alcuna fonte di energia mentre l'ingresso per la ricarica è bagnato, e non esporre JBL Charge 2+ a gocce o schizzi durante la carica, in quanto ciò potrebbe causare danni permanenti agli altoparlanti o alla fonte di alimentazione.

"Resistente agli schizzi" viene definito come spruzzi d'acqua contro il corpo del prodotto provenienti da qualsiasi direzione e che non abbiano effetti dannosi sull'unità.

JBL Charge2+ is spatwaterdicht; het onderdompelen in water of andere vloeistoffen kan de luidspreker permanente beschadigen.

BELANGRIJK: Om uw persoonlijke persoonlijke veiligheid en het goed opladen te verzekeren, de JBL Charge2+ niet aansluiten op een voedingsbron die vochtig is, en de JBL Charge 2+ niet blootstellen aan druppels of spetters tijdens het opladen. Dit om blijvende schade aan de luidspreker of voedingsbron te vermijden.

Spatwaterdichte wordt gedefinieerd als waterspatten op de behuizing die geen schadelijk effect op het apparaat hebben.

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JBL Charge2+ er sprutsikker, å senke den ned i vann eller andre væsker kan føre til permanent skade på høyttaleren.

VIKTIG: For å sikre personlig sikkerhet og god lading, ikke koble JBL Charge2+ til en strømforsyning mens ladeporten er våt, og ikke utsett JBL Charge 2+ for drypp eller sprut under lading da dette kan føre til varig skade på høyttaleren eller strømforsyningen.

Sprutsikker er definert som at vann som sprutes mot innkapslingen fra alle retninger ikke skal ha noen skadelig effekt på enheten.

JBL Charge2+ on roiskeenkestävä; sen upottaminen veteen tai muuhun nesteeseen saattaa aiheuttaa kaiuttimelle pysyvää vahinkoa.

TÄRKEÄÄ: Henkilökohtaisen turvallisuutesi ja onnistuneen lataamisen takaamiseksi, älä yhdistä JBL Charge2+ -laitetta virtälähteeseen jos latausportti on kostea, äläkä altista JBL Charge2+ -laitetta roiskeille tai kastumiselle latauksen aikana, jottei kaiuttimelle tai virtälähteelle aiheudu pysyvää vahinkoa.

Roiskeenkestävä tarkoittaa, ettei laitteen päälle mistä suunnasta tahansa roiskuva vesi aiheuta yksikölle pysyvää vahinkoa.

Продукт JBL Charge2+ устойчив к брызгам, однако погружение динамика в воду или другие жидкости может привести к его необратимому повреждению.

ВНИМАНИЕ: Для собственной безопасности и безопасной зарядки продукта не подключайте JBL Charge2+ к источнику питания, если порт для зарядки мокрый, а также не подвергайте JBL Charge 2+ воздействию капель или брызг во время зарядки, т.к. это может привести к необратимому повреждению динамика или источника питания.

Устойчивость к брызгам определяется как отсутствие негативных последствий при попадании на корпус брызг с любой стороны изделия.

JBL Charge2+ tål vattenstänk men att sänka ned den i vatten eller andra vätskor kan skada högtalaren permanent.

VIKTIGT: För att säkerställa personlig säkerhet och korrekt laddning får inte JBL Charge2+ anslutas till någon strömkälla så länge laddningsporten är våt, JBL Charge2+ får heller inte utsättas för droppar eller stänk under laddning eftersom detta kan skada högtalaren eller strömkällan permanent.

Tåla vattenstänk innebär att apparaten tål att vatten stänks på höljet från alla håll utan att enheten skadas.

JBL Charge2+ er stænksikker. Hvis den nedsænkes i vand eller andre væsker, kan det resultere i permanent skade på højttaleren.

VIGTIG: Med henblik på forre sikker og succesfuld opladning må JBL Charge2+ ikke tilsluttes nogen strømkilde, når opladerporten er våd. Undgå ligeledes at udsætte JBL Charge 2+ for dryp eller stænk under opladning, eftersom højttaleren eller strømkilden i modsat fald kan tage skade.

Stænksikker defineres som vandsprøjt på kabinettet i en hvilken som retning uden skadelig effekt på enheden.

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JBL Charge2+は防滴です。水または他の液体の中に沈めると、スピーカーに恒久的なダメージを与えてしまう可能性があります。

重要: 個別の安全および充電を確実にするには、充電ポートが濡れている間、JBL Charge2+を他の入力ソースに接続せず、充電中この機器が水滴またはしぶきに当たらないようにしてください。そうしてしまうと、スピーカーまたは入力ソースに恒久的なダメージを与えてしまう可能性があります。

防滴は、いかなる方向からの筐体に対する水しぶきも本体に有害な効果を生じないと定義されます。

Głośniki JBL Charge2+ są odporne na zachlapanie; w wyniku zanurzenia w wodzie lub innej cieczy mogą jednak ulec trwałemu uszkodzeniu.

WAŻNE: Aby zapewnić własne bezpieczeństwo i skuteczność ładowania, nie należy podłączać głośnika JBL Charge2+ do jakiegokolwiek źródła energii, jeśli gniazdo ładowania jest mokre. Nie należy także narażać urządzenia na zachlapanie podczas ładowania, ponieważ może to skutkować trwałym uszkodzeniem głośnika lub źródła energii.

Odporność na zachlapanie oznacza, że zachlapanie urządzenia wodą z którejkolwiek ze stron nie spowoduje żadnych skutków ubocznych.

JBL Charge2+는 물 또는 기타 액체에 잠기면 스피커에 영구적인 손상이 발생할 수 있는 물튀김을 방지하는 기능이 있습니다.

중요: 개인의 안전과 원활한 충전을 위해, 충전 포트가 젖어 있는 경우 JBL Charge2+를 전원에 연결하지 마십시오. 충전하는 동안 JBL Charge2+를 낙숫물이나 분무에 노출해서는 안 됩니다. 스피커 또는 전원에 영구적 손상이 발생할 수 있습니다.

물튀김 방지란 인클로저에 모든 방향에서 튀기는 물이 위험한 영향을 미치지 않는다는 의미입니다.

JBL Charge 2+ 只具有防濺性能; 將其浸入水或其他液體中, 可能會對揚聲器造成永久損壞。

重要信息: 為確保個人安全和成功充電, 如果 JBL Charge2+ 充電端口濕潤, 請勿將其連接至任何電源; 充電時, 請確保不會有水滴落或濺射到 JBL Charge 2+ 上, 否則, 可能會對揚聲器或電源造成永久損壞。

“防濺”的意思是水從任何方向濺射到外殼上, 都不會對設備造成有害影響。

JBL Charge 2+ 避濺; 將其浸入水或其他液體中可能對喇叭產生永久性損壞。

重要事項: 為確保人身安全及成功充電, 請勿在充電連接埠濕潤時將 JBL Charge 2+ 連接到任何電源, 充電期間也不要將 JBL Charge 2+ 暴露於有水或液體滴濺的區域, 否則可能對喇叭或電源產生永久性損壞。

避濺係指水從任意方向濺灑到外殼上都不會產生有害影響。

JBL Charge2+ tahan cipratan; terendam dalam air atau cairan lainnya dapat menyebabkan kerusakan permanen pada speaker.

PENTING: Demi keselamatan pribadi dan keberhasilan pengisian ulang daya, jangan hubungkan JBL Charge2+ ke sumber listrik saat port pengisian ulang basah, dan hindari jangan sampai JBL Charge 2+ terkena tetesan atau percikan saat pengisian ulang daya, karena dapat mengakibatkan kerusakan permanen pada speaker atau sumber daya.

Tahan cipratan berarti unit tidak akan rusak jika penutupnya terkena cipratan air dari arah mana pun.

CHARGE2+

Quick Start Guide

Guide de démarrage rapide

EN

- Bluetooth® version: 3.0
- Support: A2DP V1.3, AVRCP V1.5, HFP V1.6, HSP V1.2
- Transducer: 2 x 45mm
- Rated power: 2 x 7.5W
- Frequency response: 75Hz–20kHz
- Signal-to-noise ratio: >80dB
- Power supply: 5VDC, 2.3A USB Output: 5V, 2.1A (maximum)
- Battery type: Lithium-ion polymer (3.7V, 6000mAh)
- Battery charge time: 4hrs @ 1.8A
- Music playing time: up to 12 hours (varies by volume level and audio content)
- Bluetooth® transmitter power: 0–4dBm
- Bluetooth® transmitter frequency range: 2.402–2.480GHz
- Bluetooth® transmitter modulation: GFSK, $\pi/4$ DQPSK, 8DPSK
- Dimensions: Φ 79mm x 185.2mm
- Weight: 600g

FR

- Version Bluetooth® : 3.0
- Support : A2DP V1.3, AVRCP V1.5, HFP V1.6, HSP V1.2
- Haut-parleurs : 2 x 45 mm
- Puissance nominale : 2 x 7,5 W
- Réponse en fréquence : 75 Hz – 20 kHz
- Rapport signal sur bruit : >80 dB
- Alimentation : 5 VCC, 2,3A Sortie USB : 5 V, 2,1 A (maximum)
- Type de batterie : Li-ion
- Temps de charge de la batterie : 4 hrs à 1,8 A
- Autonomie : jusqu'à 12 heures (en fonction du niveau du volume et du contenu audio)
- Puissance de l'émetteur Bluetooth® : 0-4 dBm
- Plage de fréquences de l'émetteur Bluetooth® : 2,402 – 2,480 GHz
- Modulation de l'émetteur Bluetooth® : GFSK $\pi/4$ DQPSK 8 DPSK
- Dimensions : Φ 79 mm x 185.2 mm
- Poids : 600 g

ES

- Versión de Bluetooth®: 3.0
- Compatibilidad: A2DP V1.3, AVRCP V1.5, HFP V1.6, HSP V1.2
- Transductor: 2 x 45 mm
- Potencia nominal: 2 x 7,5 W
- Intervalo de frecuencias: 75 Hz – 20 kHz
- Relación señal-ruido: >80 dB
- Alimentación: 5 VDC, 2,3A Salida USB: 5 V, 2,1 A (máximo)
- Tipo de batería: ion litio

CHARGE2+

Quick Start Guide

Guide de démarrage rapide

- Tiempo de carga de la batería: 4 horas @ 1,8 A
- Tiempo de reproducción de música: hasta 12 horas (según el volumen y el contenido de audio)
- Potencia del transmisor Bluetooth®: 0-4 dBm
- Alcance de frecuencia del transmisor Bluetooth®: 2.402 – 2.480 GHz
- Modulación del transmisor Bluetooth®: GFSK, $\pi/4$ DQPSK, 8 DPSK
- Dimensiones: Φ 79 mm x 185.2 mm
- Peso: 600 g

PT

- Versão Bluetooth®: 3.0
- Suporte: A2DP V1.3, AVRCP V1.5, HFP V1.6, HSP V1.2
- Transdutor: 2 x 45 mm
- Potência nominal: 2 x 7,5 W
- Resposta em frequência: 75 Hz – 20 kHz
- Relação sinal/ruído: > 80 dB
- Fonte de alimentação: 5 VDC, 2,3A Saída USB: 5 V, 2,1A (máximo)
- Tipo de bateria: Íon Lítio
- Tempo de carregamento da bateria: 4 horas a 1,8 A
- Tempo de reprodução de música: até 12 horas (varia conforme o nível de volume e conteúdo de áudio)
- Potência do transmissor Bluetooth®: 0-4 dBm
- Resposta de frequências do transmissor Bluetooth®: 2.402 – 2.480 GHz
- Modulação do transmissor Bluetooth®: GFSK, $\pi/4$ DQPSK, 8 DPSK
- Dimensões: Φ 79 mm x 185.2 mm
- Peso: 600 g

DE

- Bluetooth®-Version: 3.0
- Unterstützung: A2DP V1.3, AVRCP V1.5, HFP V1.6, HSP V1.2
- Signalumwandler: 2 x 45 mm
- Nennleistung: 2 x 7,5 W
- Frequenzabhängigkeit: 75 Hz - 20 kHz
- Rauschabstand: >80 dB
- Stromversorgung: 5VDC, 2.3A USB Ausgang: 5V, 2.1A (maximal)
- Batterie-Typ: Lithium-Ionen
- Batterieladezeit: 4 Std. bei 1,8 A
- Musikwiedergabezeit: bis zu 12 Stunden (je nach Lautstärke und Audioinhalt)
- Bluetooth®-Übertragungsleistung: 0 - 4 dBm
- Frequenzbereich für die Bluetooth®-Übertragung: 2,402 - 2,480 GHz
- Bluetooth®-Übertragungsmodulation: GFSK, $\pi/4$ DQPSK, 8 DPSK
- Abmessungen: Φ 79 mm x 185.2 mm
- Gewicht: 600 g

CHARGE2+

Quick Start Guide

Guide de démarrage rapide

IT

- Versione Bluetooth®: 3.0
- Supporta: A2DP V1.3, AVRCP V1.5, HFP V1.6, HSP V1.2
- Trasduttori: 2 x 45 mm
- Potenza nominale: 2 x 7,5 W
- Risposta in frequenza: 75 Hz – 20 kHz
- Rapporto segnale-rumore: >80 dB
- Alimentazione: 5VDC, 2.3A Uscita USB: 5V, 2.1A (massimo)
- Batteria: Ionidi Litio
- Tempo di carica della batteria: 4 ore @ 1,8 A
- Autonomia in riproduzione audio: fino a 12 ore (variabile a seconda del livello di volume e dei contenuti audio)
- Potenza del trasmettitore Bluetooth®: 0 - 4 dBm
- Intervallo di frequenza del trasmettitore Bluetooth®: 2.402 - 2.480 GHz
- Modulazione del trasmettitore Bluetooth®: GFSK, $\pi/4$ DQPSK, 8 DPSK
- Dimensioni: Φ 79 mm x 185.2 mm
- Peso: 600 g

NL

- Bluetooth® versie: 3.0
- Ondersteuning: A2DP V1.3, AVRCP V1.5, HFP V1.6, HSP V1.2
- Transducer: 2 x 45 mm
- Nominaal vermogen: 2 x 7.5 W
- Frequentiebereik: 75 Hz – 20 kHz
- Signaal-ruisverhouding: >80 dB
- Voeding: 5VDC, 2.3A USB-uitvoer: 5V, 2.1A (maximum)
- Type batterij: Li-ion
- Oplaadtijd batterij: 4 uur @ 1.8 A
- Tijdsduur muziek spelen: tot 12 uur (afhankelijk van het volume en audio-inhoud)
- Bluetooth® transmitter vermogen: 0-4 dBm
- Bluetooth® transmitter frequentiebereik: 2.402 – 2.480 GHz
- Bluetooth® transmitter modulatie: GFSK, $\pi/4$ DQPSK, 8 DPSK
- Afmetingen: Φ 79 mm x 185.2 mm
- Gewicht: 600 g

NO

- Bluetooth®-versjon: 3.0
- Støtte: A2DP V1.3, AVRCP V1.5, HFP V1.6, HSP V1.2
- Transduser: 2 x 45 mm
- Nominell effekt: 2 x 7,5 W
- Frekvensrespons: 75 Hz – 20 kHz
- Signal-til-støy-forhold: >80 dB
- Strømforsyning: 5 VDC, 2,3A USB-utgang: 5 V, 2,1 A (maksimalt)
- Batteritype: Li-ion

CHARGE2+

Quick Start Guide

Guide de démarrage rapide

- Ladetid for batteri: 4 timer @ 1.8 A
- Musikk spilletid: Musikk spilletid: opptil 12 timer (varierer etter volumnivå og lydinnhold)
- Strøm for Bluetooth®-sender: 0-4 dBm
- Frekvensområde for Bluetooth®-sender: 2,402 – 2,480 GHz
- Modulasjon for Bluetooth®-sender: GFSK, $\pi/4$ DQPSK, 8 DPSK
- Mål: Φ 79 mm x 185.2 mm
- Vekt: 600 g

FI

- Bluetooth®-versio: 3,0
- Tuetut formaatit: A2DP V1.3, AVRCP V1.5, HFP V1.6, HSP V1.2
- Kaiutinelementti 2 x 45 mm
- Nimellisteho: 2 x 7.5 W
- Taajuusvaste: 75 Hz – 20 kHz
- Signaali-kohinasuhde: >80 dB
- Virransyöttö: 5 VDC, 2,3A USB-lähtö: 5 V, 2,1 A (maks.)
- Akkutyyppe: litiumioni
- Akun latausaika: 4 t @ 1.8 A
- Kuuntelu-aika: enintään 12 h (vaihtelee äänenvoimakkuuden tason ja äänisisällön mukaan)
- Bluetooth®-lähettimen teho: 0-4 dBm
- Bluetooth®-lähettimen taajuusalue: 2,402 – 2,480 GHz
- Bluetooth®-lähettimen modulaatio: GFSK, $\pi/4$ DQPSK, 8 DPSK
- Mitat: Φ 79 mm x 185.2 mm
- Paino: 600 g

RU

- Версия Bluetooth®: 3.0
- Поддержка: A2DP V1.3, AVRCP V1.5, HFP V1.6, HSP V1.2
- Преобразователь: 2 x 45 мм
- Номинальная потребляемая мощность: 2 x 7,5 Вт
- Частотная характеристика: 75 Гц – 20 кГц
- Отношение "сигнал-шум": >80 дБ
- Источник питания: 5 В пост. тока, 2,3А USB Выход: 5 В, 2,1 А (макс.)
- Тип аккумулятора: литий-ионный
- Время зарядки аккумулятора: 4 часа при 1,8 А
- Время работы в режиме воспроизведения музыки: до 12 часов (зависит от уровня громкости и звукового контента)
- Мощность передатчика Bluetooth®: 0-4 дБ/мВт
- Частотный диапазон передатчика Bluetooth®: 2,402 – 2,480 ГГц
- Модуляция передатчика Bluetooth®: гаусс. част. модул., $\pi/4$ относ. квадрат. фаз. модул., относ. восьмер. фаз. модул.
- Габариты: Φ 79 мм x 185.2 мм
- Вес: 600 г

CHARGE2+

Quick Start Guide

Guide de démarrage rapide

SV

- Bluetooth®-version: 3.0
- Support: A2DP V1.3, AVRCP V1.5, HFP V1.6, HSP V1.2
- Element: 2 x 45 mm
- Klassad effekt: 2 x 7,5 W
- Frekvensomfång: 75 Hz–20 kHz
- Signal/brus-förhållande: >80 dB
- Strömförsörjning: 5 V DC, 2,3A USB-utgång: 5 V, 2,1 A (max)
- Batterityp: Litiumjon
- Laddningstid för batteriet: 4 timmar med 1,8 A
- Musikuppspelningstid: upp till 12 timmar (beroende på volym och ljudinnehåll)
- Bluetooth®-sändarens effekt: 0–4 dBm
- Bluetooth®-sändarens frekvensomfång: 2,402–2,480 GHz
- Bluetooth®-sändarens modulering: GFSK, $\pi/4$ DQPSK, 8 DPSK
- Dimensioner: Φ 79 mm x 185.2 mm
- Vikt: 600 g

DA

- Bluetooth®-version: 3.0
- Understøttelse: A2DP V1.3, AVRCP V1.5, HFP V1.6, HSP V1.2
- Enheder: 2 x 45 mm
- Nominel effekt: 2 x 7,5 W
- Frekvensområde: 75 Hz – 20 kHz
- Signal til støj-forhold: >80 dB
- Strømforsyning: 5 VDC, 2,3A USB-udgang: 5 V, 2,1 A (maks.)
- Batteritype: Li-ion
- Batteriopladningstid: 4 timer ved 1,8A
- Musikafspilningstid: op til 12 timer (varierer efter lydstyrkeniveau og lydindhold)
- Bluetooth®-sendeeffekt: 0-4 dBm
- Frekvensområde for Bluetooth®-transmitter: 2,402-2,480 GHz
- Bluetooth®-sendemodulation: GFSK, $\pi/4$ DQPSK, 8 DPSK
- Mål: Φ 79 mm x 185.2 mm
- Vægt: 600 g

JP

- Bluetooth®バージョン：3.0
- サポート：A2DP 1.3 V、AVRCP 1.5 V、HFP 1.6 V、HSP 1.2 V
- トランスデューサー：2 x 45 mm
- 定格出力：2 x 7.5 W
- 周波数特性：75 Hz～20 kHz
- S/N 比：>80 dBm
- 電源：5VDC、2.3A USB出力: 5V、2.1A (最大)
- バッテリーの種類：リチウムイオン

CHARGE2+

Quick Start Guide

Guide de démarrage rapide

- 배터리 충전시간 1.8 A で 4 時間
- 음악 재생 시간: 最高 12 時間 (音量とオーディオ内容により異なります)
- Bluetooth® 対応 트랜스미터 출력: 0~4 dBm
- Bluetooth® 対応 트랜스미터 주파수 대역: 2.402~2.480 GHz
- Bluetooth® 対応 트랜스미터 변조: GFSK, $\pi/4$ DQPSK, 8 DPSK
- 寸法: Φ 79 mm x 185.2 mm
- 重量: 600 g

PL

- Wersja Bluetooth® : 3.0
- Wsparcie dla: A2DP V1.3, AVRCP V1.5, HFP V1.6, HSP V1.2
- Przetwornik: 2 x 45 mm
- Moc znamionowa: 2 x 7,5 W
- Pasma przenoszenia: 75 Hz – 20 kHz
- Stosunek sygnału do szumu: >80 dB
- Zasilanie: 5 VDC, 2,3 A Wyjście USB: 5 V, 2,1 A (maks.)
- Bateria: Litowo-polimerowa (3,7 V, 6000 mAh)
- Czas ładowania baterii: 4 h przy 1,8 A
- Czas odtwarzania muzyki: do 12 godzin (różni się w zależności od ustawień głośności i treści audio)
- Moc nadajnika Bluetooth®: 0–4 dBm
- Zakres częstotliwości nadajnika Bluetooth®: 2,402 – 2,480 GHz
- Modulacja nadajnika Bluetooth®: GFSK, $\pi/4$ DQPSK, 8 DPSK
- Wymiary: 79 mm x 185,2 mm
- Masa: 600 g

KO

- 블루투스 버전: 3.0
- 지원: A2DP V1.3, AVRCP V1.5, HFP V1.6, HSP V1.2
- 변환기: 2 x 45 mm
- 정격 출력: 2 x 7.5 W
- 주파수 응답: 75 Hz ~ 20 kHz
- 신호 대 잡음비: >80 dB
- 전원 공급 장치: 5VDC, 2.3A USB 출력: 5V, 2.1A(최대)
- 배터리 유형: 리튬 이온
- 배터리 충전 시간: 1.8 A에서 4시간
- 음악 재생 시간: 최대 12 시간 (볼륨과 오디오의 내용에 따라 다름)
- 블루투스 송신기 출력: 0-4 dBm
- 블루투스 송신기 주파수 범위: 2.402 ~ 2.480 GHz
- 블루투스 송신기 변조: GFSK, $\pi/4$ DQPSK, 8 DPSK
- 치수: Φ 79 mm x 185.2 mm
- 중량: 600 g

CHARGE2+

Quick Start Guide

Guide de démarrage rapide

CHT

- Bluetooth® 版本：3.0
- 支援：A2DP V1.3、AVRCP V1.5、HFP V1.6、HSP V1.2
- 揚聲器單元：2 x 45 mm
- 額定功率：2 x 7.5W
- 頻率響應：75Hz – 20kHz
- 雜訊比：>80 dB
- 電源：5VDC, 2.3A USB 輸出：5V, 2.1A (最大值)
- 電池類型：鋰離子電池
- 電池充電時間：4 小時 (1.8A)
- 音樂播放時間：最長 12 小時 (視音量和音訊內容而異)
- Bluetooth® 發射機功率：0-4 dBm
- Bluetooth® 發射機頻率範圍：2.402 – 2.480 GHz
- Bluetooth® 發射機調變：GFSK、 $\pi/4$ DQPSK、8DPSK
- 尺寸： Φ 79 mm x 185.2 mm
- 重量：600 克

CHS

- 蓝牙版本：3.0
- 支持：A2DP V1.3, AVRCP V1.5, HFP V1.6, HSP V1.2
- 扬声器单元：2 x 45mm
- 额定功率：2 x 7.5 W
- 频率响应：75Hz – 20kHz
- 信噪比：>80 dB
- 電源供應：5 VDC · 2.3A USB 輸出：5 V, 2.1 A (最大)
- 電池類型：锂离子聚合物电池
- 电池充电时间：1.8 A 电流 · 4 小时
- 音乐播放时间：最长 12 小时 (因音量和音频内容而异)
- 蓝牙发射器功率：0-4 dBm
- 蓝牙发射器频率范围：2.402 – 2.480 GHz
- 蓝牙发射器调制：GFSK, $\pi/4$ DQPSK, 8 DPSK
- 尺寸： Φ 79 mm x 185.2 mm
- 重量：600g

CHARGE2+

Quick Start Guide

Guide de démarrage rapide

ID

- Versi Bluetooth®: 3.0
- Mendukung: A2DP V1,3, AVRCP V1,5, HFP V1,6, HSP V1,2
- Transduser: 2 x 45 mm
- Input Daya Rata-rata: 2 x 7,5W
- Respons Frekuensi: 75Hz – 20kHz
- Rasio sinyal kebisingan: >80 dB
- Pasokan daya: 5VDC, 2,3A USB Output: 5V, 2,1A (maksimum)
- Jenis Baterai: Li-ion
- Waktu pengisian baterai: 4 jam @ 1,8A
- Waktu memainkan musik: hingga 12 jam (tergantung tingkat volume dan konten audio)
- Tenaga pemancar Bluetooth®: 0-4 dBm
- Jangkauan frekuensi pemancar Bluetooth®: 2,402 – 2,480 GHz
- Modulasi pemancar Bluetooth®: GFSK, $\pi/4$ DQPSK, 8DPSK
- Dimensi: Φ 79 mm x 185.2 mm
- Berat: 600 g



VoiceLogic is a leading-edge voice-enhancement technology that significantly improves the clarity of voice communications by minimizing a wide variety of background noises.

CHARGE2+

Quick Start Guide

Guide de démarrage rapide

Торговая марка: JBL

Назначение товара: АКТИВНАЯ АКУСТИЧЕСКАЯ СИСТЕМА

Изготовитель: ХАРМАН ИНТЕРНЕШНЛ ИНДАСТРИЗ ИНКОРПОРЕЙТЕД, США, 06901 КОННЕКТИКУТ, г.СТЭМФОРД, АТЛАНТИК СТРИТ 400, ОФИС 1500

Страна происхождения: Китай

Импортер в Россию: ООО "ХАРМАН РУС СиАйЭс", РОССИЯ, 123317, МОСКВА, ПРЕСНЕНСКАЯ НАБ, Д.10

Гарантийный период: 1 год

Информация о сервисных центрах: www.harman.com/ru тел. +7-800-700-0467

Срок службы: 3 года

Срок хранения: не ограничен

Условия хранения: Стандартные при нормальных значениях климатических факторов внешней среды

Номер документа соответствия: Товар сертифицирован

Год производства: Год изготовления Вашего устройства можно определить по серийному номеру изделия.

Серийный номер состоит из 4-х групп: 2 буквы, 4 цифры, 2 буквы, 7 цифр (XX 0000 XY 0000000), где вторая буква из 2-ой буквенной группы (слева направо) обозначает год производства. Соответствие буквенного кода году представлено в таблице.

A	2010	N	2023
B	2011	O	2024
C	2012	P	2025
D	2013	Q	2026
E	2014	R	2027
F	2015	S	2028
G	2016	T	2029
H	2017	U	2030
I	2018	V	2031
J	2019	X	2032
K	2020	Y	2033
L	2021	Z	2034
M	2022	повторно начать с A	



Este equipamento opera em caráter secundário, isto é, não tem direito a proteção contra interferência prejudicial, mesmo de estações do mesmo tipo, e não pode causar interferência a sistemas operando em caráter primário”

Este produto está homologado pela ANATEL, de acordo com os procedimentos regulamentados pela Resolução 242/2000, e atende aos requisitos técnicos aplicados.

Para maiores informações, consulte o site da ANATEL – www.anatel.gov.br



CE 1588

Charge2+ Disassembly Instructions

1. **Disassemble PE packing:** ① Pull the tape which pasted on the PE gently; ② Take out the gift box.



2. **Tear away sticker:** ① Tear away the three stickers which pasted on gift box

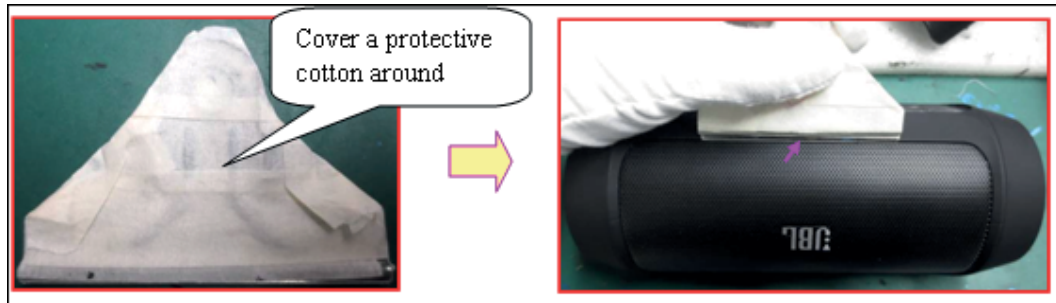


3. **Take out soundbox:** ① Open gift box, take out soundbox

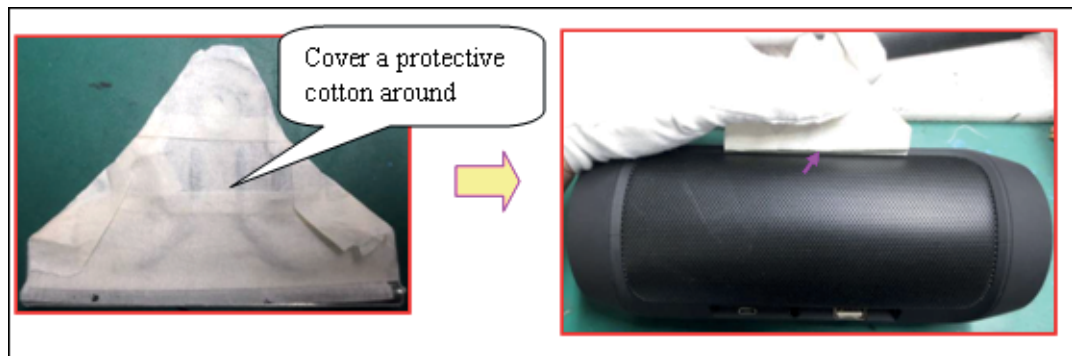


4. Disassemble grille

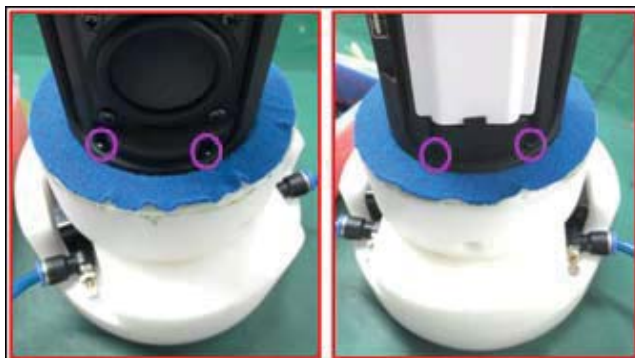
- Disassemble front grille by fixture



- Disassemble rear grille by fixture



- #### 5. Disassemble top cover & bottom;
- ① Remove 8 screws in top cover& bottom by electric screwdriver;



6. **Disassemble passive radiator**; ① Remove 8 screws of passive radiator by electric screwdriver;

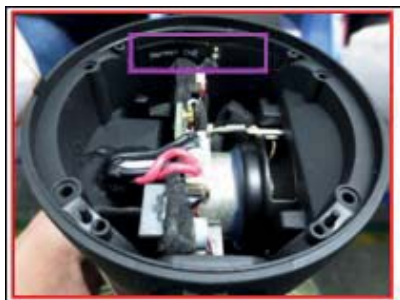


7. **Pull out battery cable, remove antenna**;

- a) Pull out battery cable, MIC cable and antenna;



- b) Disassemble antenna;

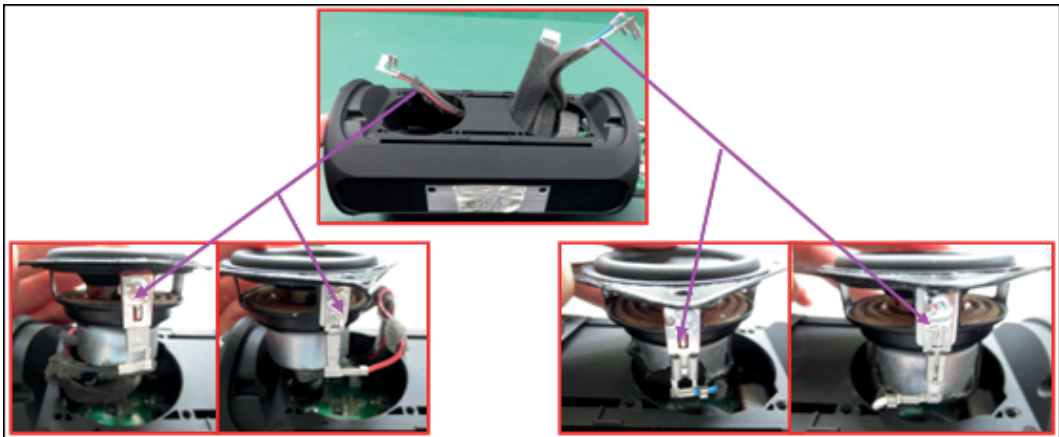


8. Disassemble speakers;

- Remove 8 screws by electric screwdriver;



- Pull out speaker terminals by nipper pliers;



9. Disassemble button PCBA;

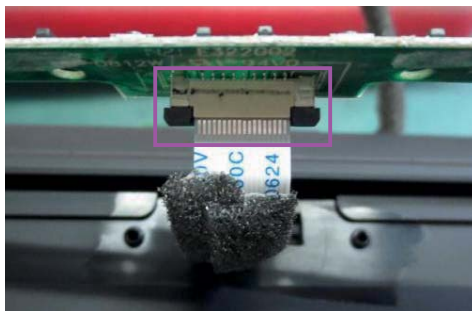
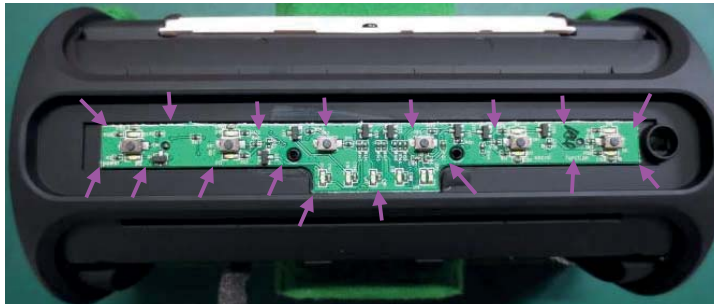
- Tear open rubber; (Notice : the rubber cannot be reused)



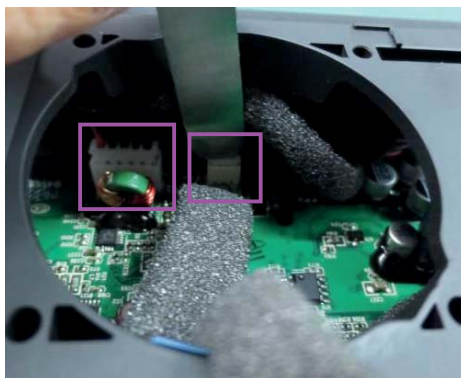
- Remove 2 screws;



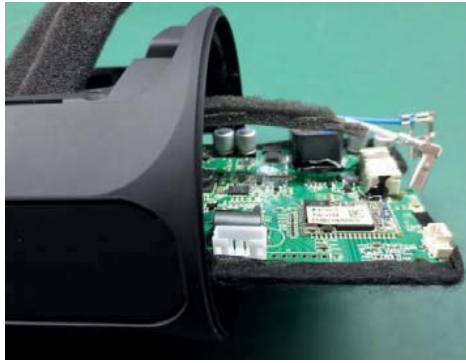
- Pry up button-PCBA gently by tweezers, pull out FFC, then take out button-PCBA;



10. Remove cables; ①Pull out cables of USB PCBA, micro USB PCBA and AUX-in PCBA;



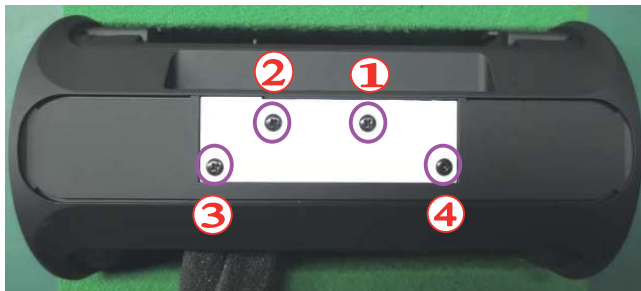
11. Take out main PCBA



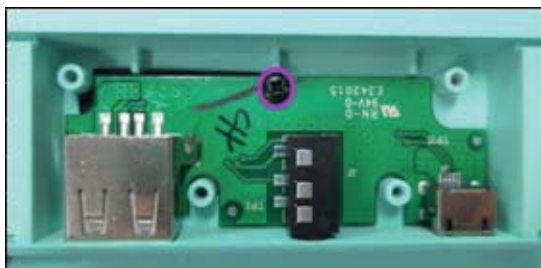
12. Remove rubber-feet (Notice: the rubber cannot be reused)



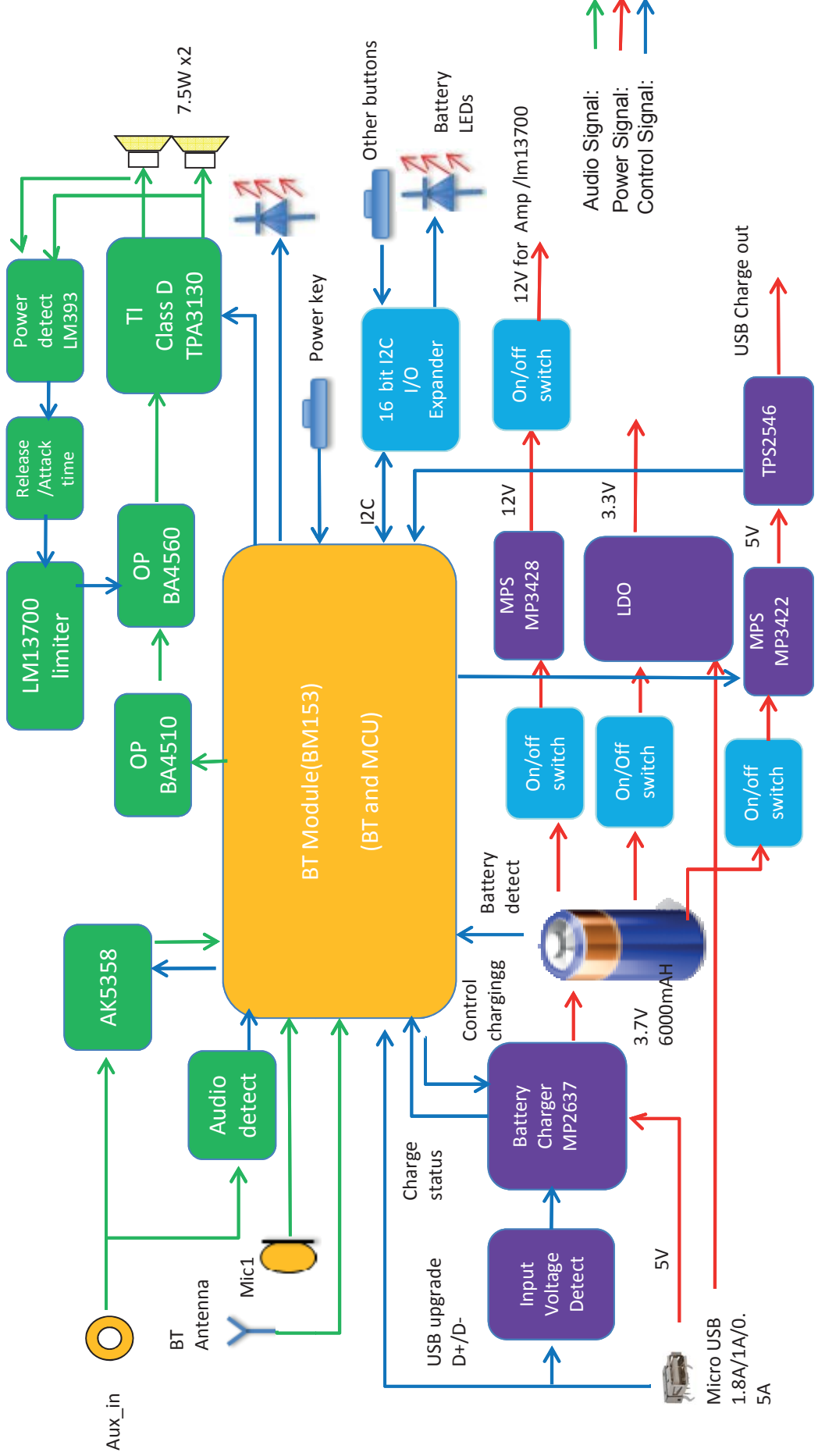
13. Disassemble back cover; ①Remove 4 screws by electric screw driver;



14. Disassemble I/O-PCBA, ①Remove 1 screws by I/O-PCBA.



Block Diagram



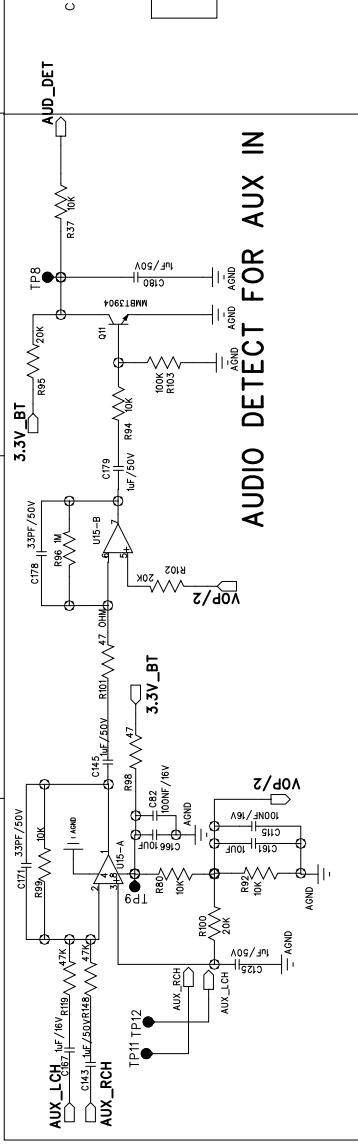
SCHEMATICS DIAGRAM

6 5 4 3 2 1

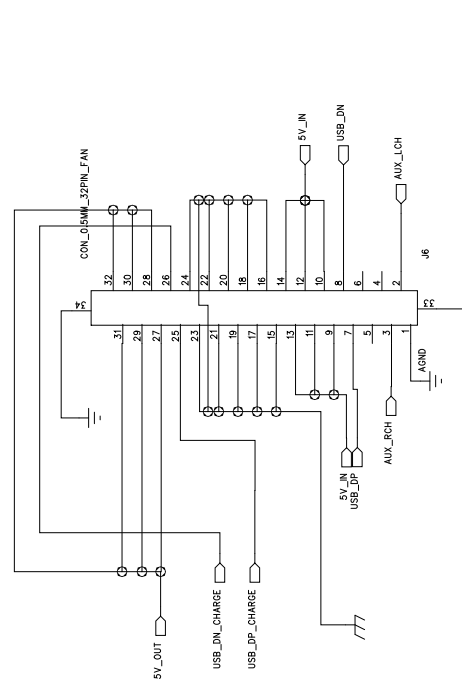
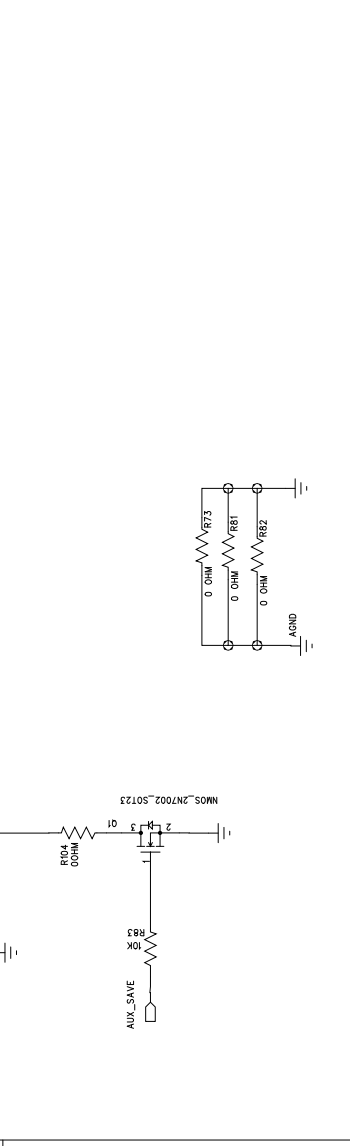
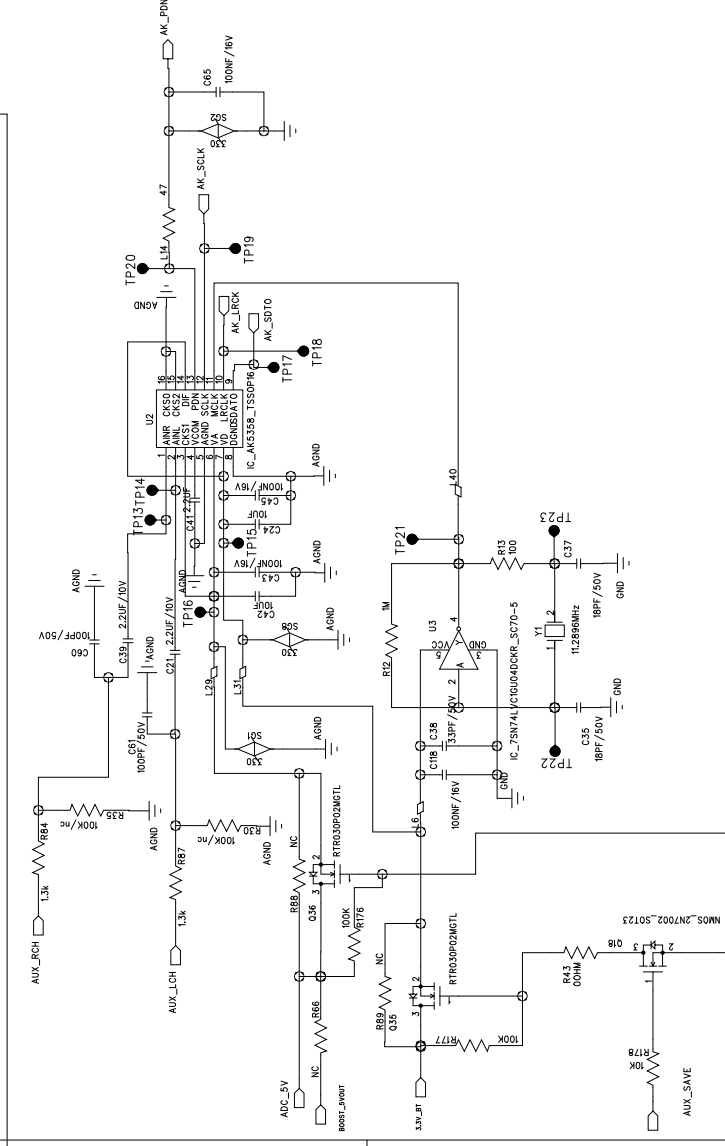
REVISION RECORD		
LTR	ECO NO:	APPROVED:
		DATE:

change report

EV 2015-1-19
Change R25 to 82k

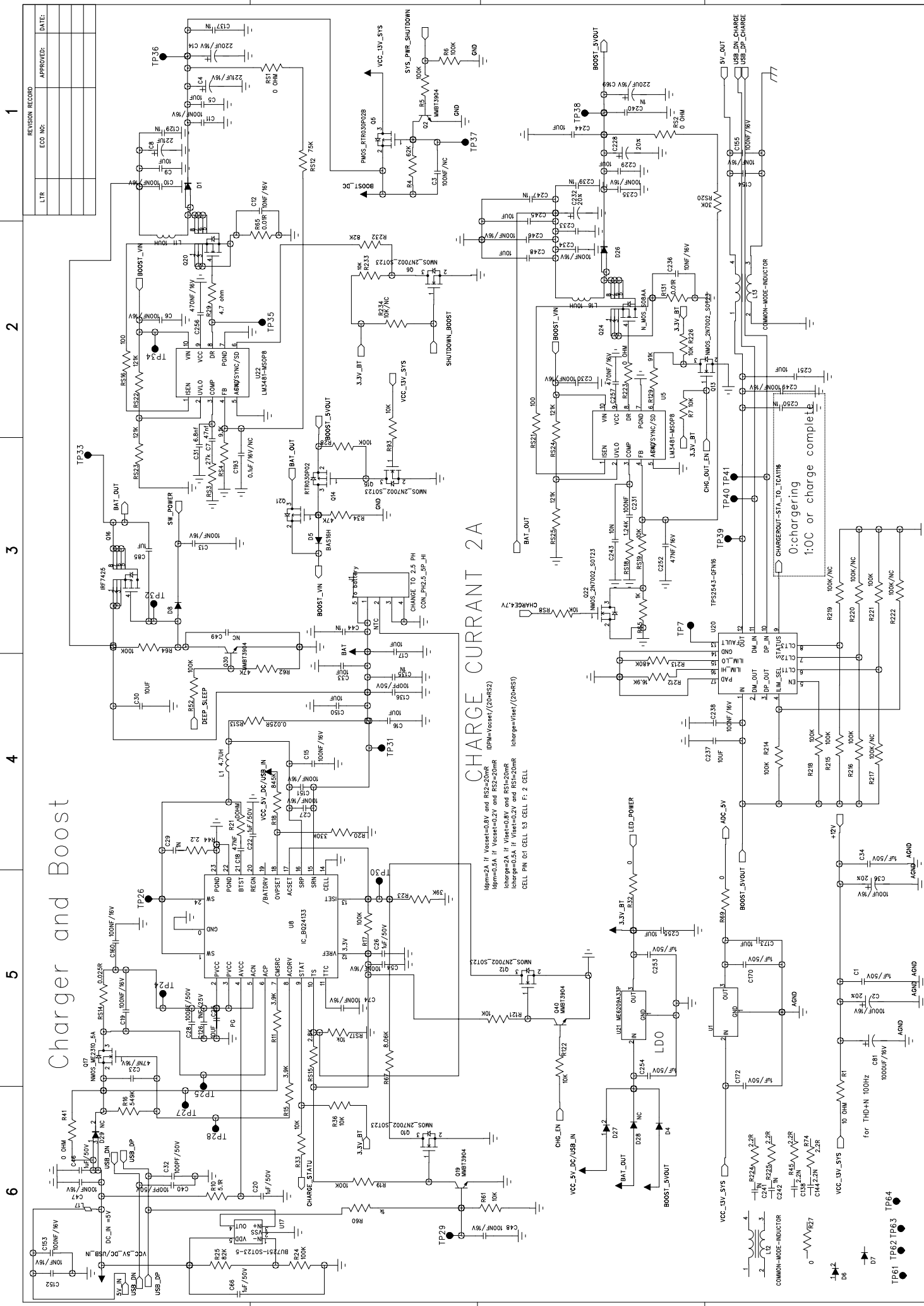


AUDIO DETECT FOR AUX IN



D C B A

Charger and Boost



REVISION RECORD	
LTR	DATE

CHARGE CURRENT 2A

$I_{dpm}=2A$ if $V_{cset}=0.8V$ and $R_{S2}=20m\Omega$
 $I_{dpm}=0.5A$ if $V_{cset}=0.2V$ and $R_{S2}=20m\Omega$
 $I_{charge}=2A$ if $V_{iset}=0.8V$ and $R_{S1}=20m\Omega$
 $I_{charge}=0.5A$ if $V_{iset}=0.2V$ and $R_{S1}=20m\Omega$
 $I_{charge}=I_{set}/(20 \times R_{S1})$
 CELL PIN C01 CELL B3 CELL F: 2 CELL

0:charging
1:OC or charge complete

TP61 TP62 TP63 TP64

D6

D7

For THD+N 100Hz

1000uF/16V

ACND

ACND

ACND

ACND

ACND

ACND

ACND

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REVISION RECORD		APPROVED:	DATE:
LTR	ECO NO:		

1

2

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6

D

C

B

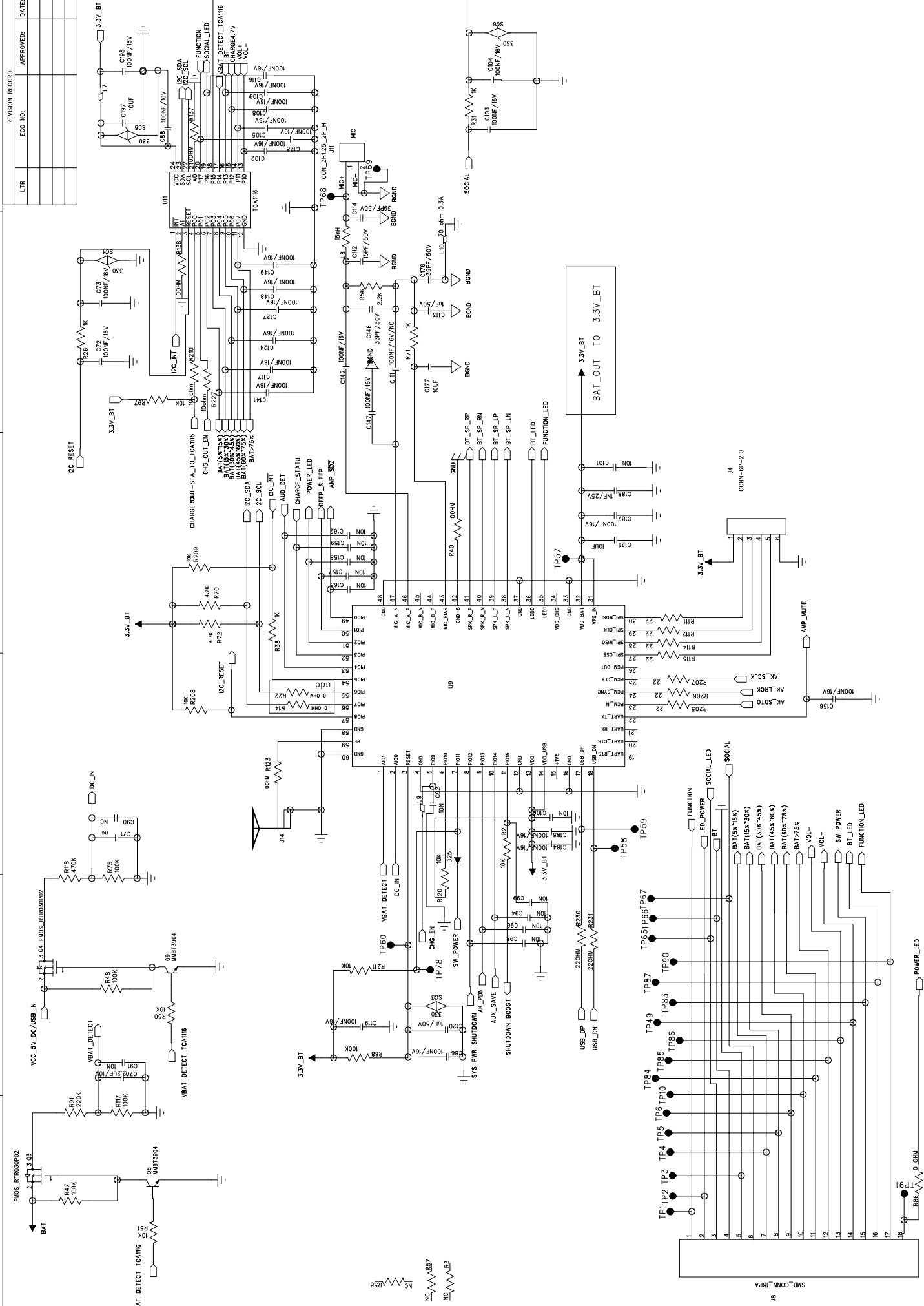
A

D

C

B

A



1

2

3

4

5

6

D

C

B

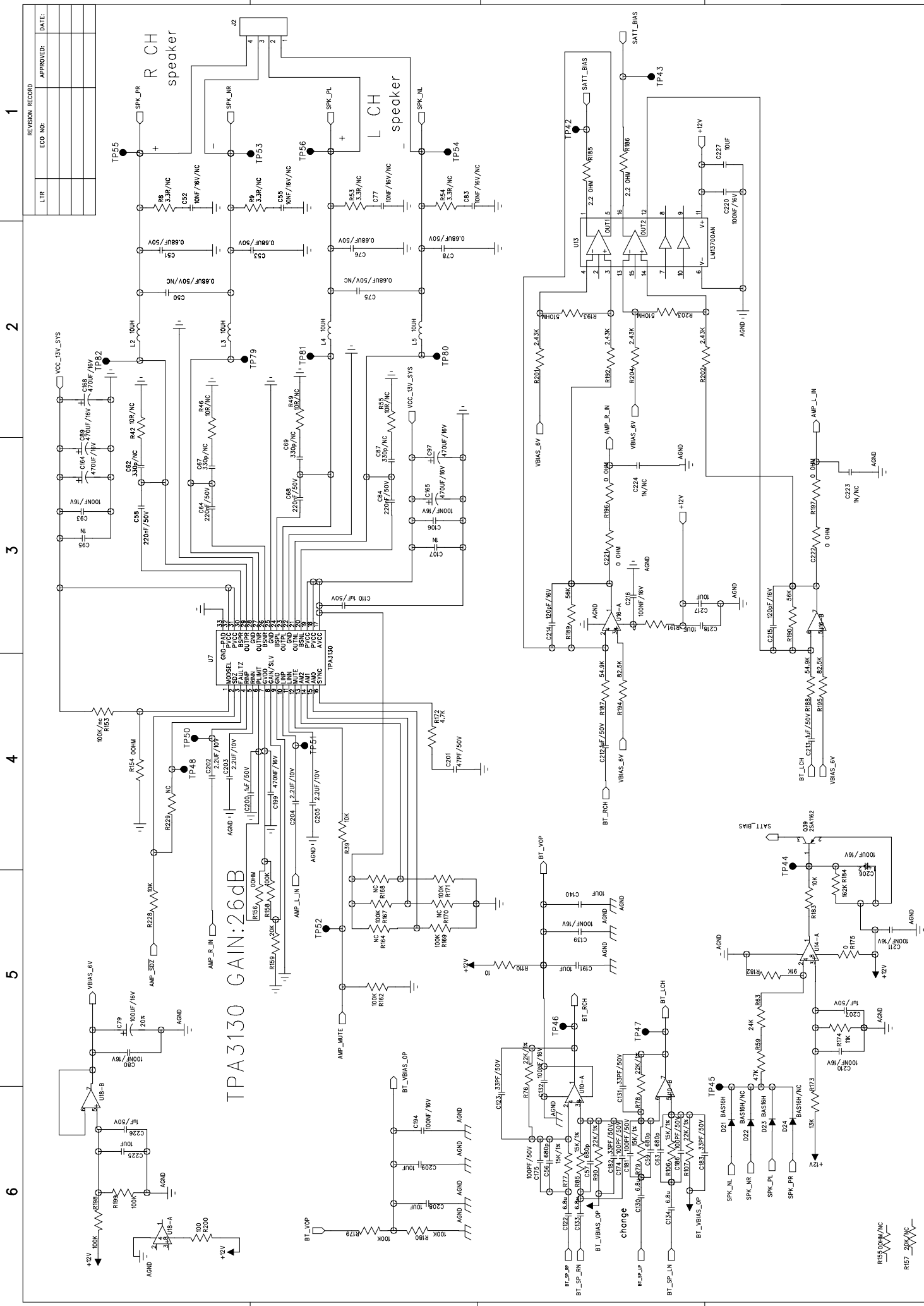
A

D

C

B

A



REVISION RECORD		
LTR	ECO NO.	APPROVED

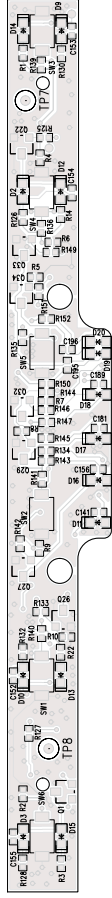
1 2 3 4 5 6

TPA3130 GAIN: 26dB

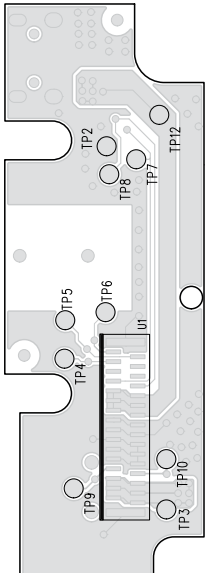
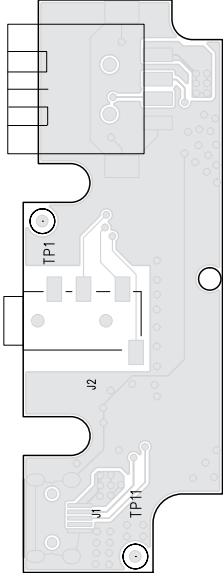
D C B A

R155:00W/NC
R67:20V/NC

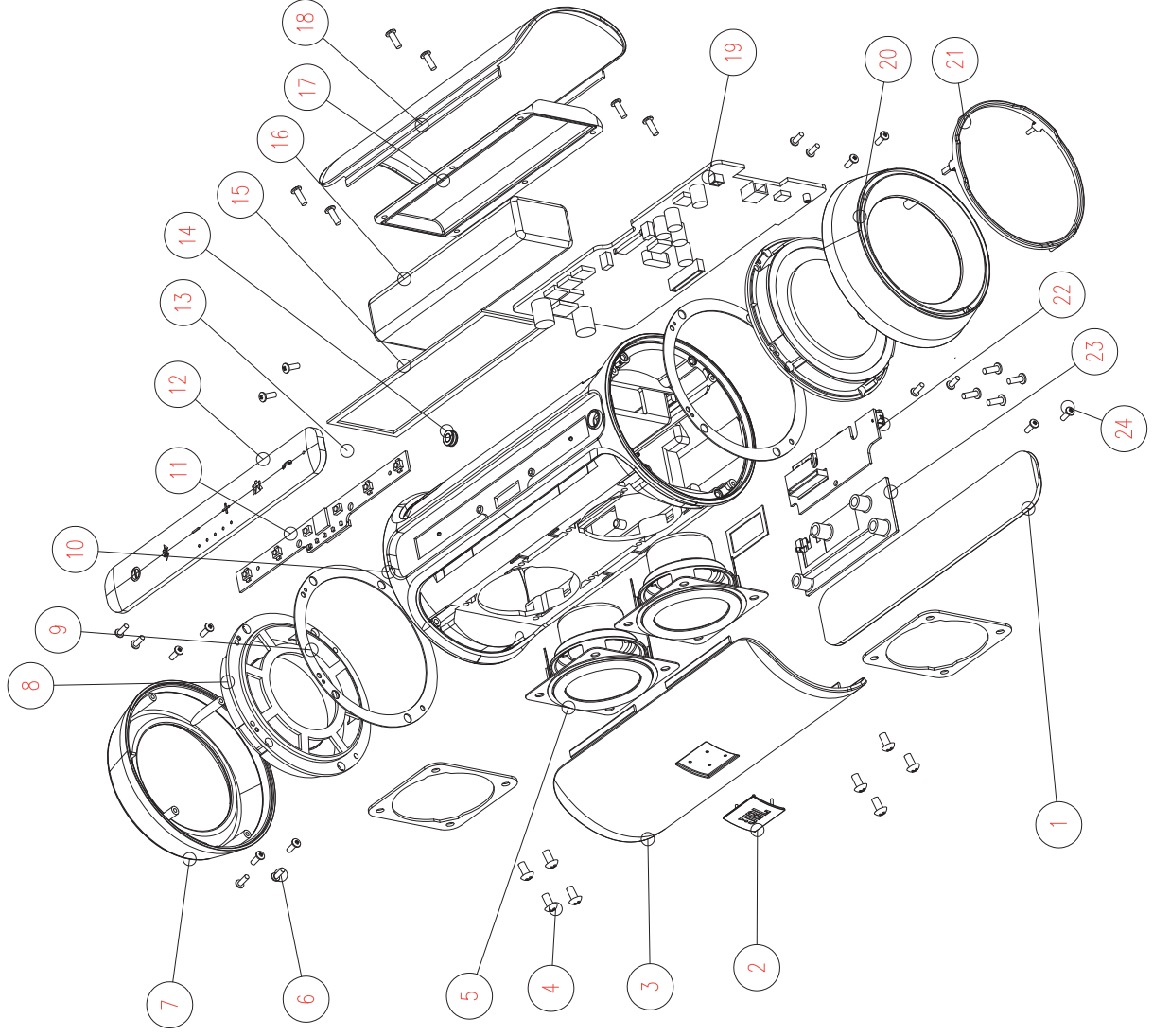
LAYOUT DIAGRAM - KEY BOARD



LAYOUT DIAGRAM - I/O BOARD



MECHANICAL EXPLODED VIEW



24	SBT020084161S	Screw	8
23	GB0060001010	Cover	1
22	APA2CHAR25204	Ti layer(0 board)	1
21	DG00666011010	Rubber ring	1
20	HZ0077019010	Right cap	1
19	ASA3CHAR20510	Amplifier assembly	1
18	WG0140008010	Grill(back)	1
17	GL0102001010	Battery cover	1
16	EXA3560003730	Battery	1
15	GA0102006010	PEF	1
14	EXM0306030010	Microphone	1
13	MJ0026001010	The double-sided adhesive	1
12	JL0140002010	Button panel	1
11	APA2CHAR25204	Ti layer(button board)	1
10	XT0147002010	Main housing	1
9	GA0073006010	PEF	2
8	000066 06804	Passive radiator	2
7	MZ0077015010	Left cap	1
6	SBT020064161	Screw	21
5	450045 00903	Full range speakers	2
4	SBT030061160	Screw	8
3	WG0140007010	Grill(front)	1
2	MP0020006010	JBL logo	1
1	TT0142002010	Rubber feet	1

JBL Charge 2+ (GG) Spare Part List

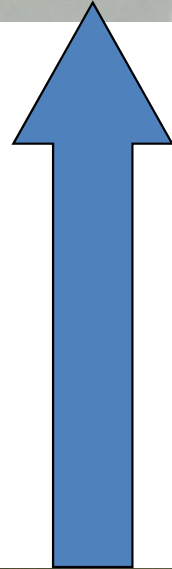
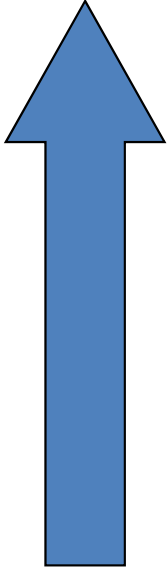
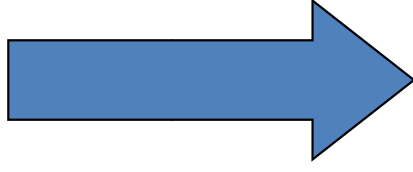
P/N	Description	Position
TT0142002010	Rubber foot pad 142*25*4.5	1
450045 00903	Full range speaker	5
MZ0077015010	LEFT CAP BLACK CHARGE 2+ GG	7
MZ0077015020	LEFT CAP BLUE CHARGE 2+ GG	7
MZ0077015070	LEFT CAP PINK CHARGE 2+ GG	7
MZ0077015030	LEFT CAP RED CHARGE 2+ GG	7
MZ0077015060	LEFT CAP YELLOW CHARGE 2+ GG	7
MZ0077015050	LEFT CAP ORANGE CHARGE 2+ GG	7
MZ0077015080	LEFT CAP TEAL CHARGE 2+ GG	7
MZ0077015040	LEFT CAP GRAY CHARGE 2+ GG	7
000066 06804 1	Passive radiator	8
X10147002010	MAIN HOUSING BLACK CHARGE 2+ GG	10
XT0147002020	MAIN HOUSING BLUE CHARGE 2+ GG	10
XT0147002070	MAIN HOUSING PINK CHARGE 2+ GG	10
XT0147002030	MAIN HOUSING RED CHARGE 2+ GG	10
XT0147002060	MAIN HOUSING YELLOW CHARGE 2+ GG	10
XT0147002050	MAIN HOUSING ORANGE CHARGE 2+ GG	10
XT0147002080	MAIN HOUSING TEAL CHARGE 2+ GG	10
XT0147002040	MAIN HOUSING GRAY CHARGE 2+ GG	10
APA2CHAR25204	KEY PCBA Charge2	11
JL0140002010	Rubber key 140*20*4.5	12
EXM0306030010	Microphone 40dB@2V/2.2K	14
EXA3560003730	Li-ion Battery 3.7V/6000mAH	16
GL0102001010	Battery cover ABS	17
WGO140008010	Grille (back) SECC	18
ASA3CHAR20510	Power Amplifier PCBA Charge2+	19
ASA5CHAR20510	I/O PCBA	22
HZ0077019010	Bottom cover ABS	23
90014021101	FRONT ASSY BLACK CHARGE 2+ GG(GRILL FRONT+LOGO)	2+3
90014021102	FRONT ASSY BLUE CHARGE 2+ GG(GRILL FRONT+LOGO)	2+3
90014021107	FRONT ASSY PINK CHARGE 2+ GG(GRILL FRONT+LOGO)	2+3
90014021103	FRONT ASSY RED CHARGE 2+ GG(GRILL FRONT+LOGO)	2+3
90014021106	FRONT ASSY YELLOW CHARGE 2+ GG(GRILL FRONT+LOGO)	2+3
90014021105	FRONT ASSY ORANGE CHARGE 2+ GG(GRILL FRONT+LOGO)	2+3
90014021108	FRONT ASSY TEAL CHARGE 2+ GG(GRILL FRONT+LOGO)	2+3
90014021104	FRONT ASSY GRAY CHARGE 2+ GG(GRILL FRONT+LOGO)	2+3
90007721101	RING ASSY BLK CHARGE 2+ GG (RUBBER RING+RIGHT CAP)	20+21
90007721102	RING ASSY BLU CHARGE 2+ GG (RUBBER RING+RIGHT CAP)	20+21
90007721107	RING ASSY PINK CHARGE 2+ GG (RUBBER RING+RIGHT CAP)	20+21
90007721103	RING ASSY RED CHARGE 2+ GG (RUBBER RING+RIGHT CAP)	20+21
90007721106	RING ASSY YEL CHARGE 2+ GG (RUBBER RING+RIGHT CAP)	20+21
90007721105	RING ASSY ORG CHARGE 2+ GG (RUBBER RING+RIGHT CAP)	20+21
90007721108	RING ASSY TEAL CHARGE 2+ GG (RUBBER RING+RIGHT CAP)	20+21
90007721104	RING ASSY GRY CHARGE 2+ GG (RUBBER RING+RIGHT CAP)	20+21
805004503400S	Beauty box 212*166*99 black	
819004500900S	Instructions	
800004500500S	Outside box 353*225*216	
EWU2100030210	USB Cable L1000MM Type A Plug to Micro B Plug Orange	
801004500300S	Inner box	
ETSC9026BUO0N	Power Adapter 100-240V 5V/2.3A GIP CN	
ETSU9026BUO0N	Power Adapter 100-240V 5V/2.3A GIP US or Japan	
ETSE9026BUO0N	Power Adapter 100-240V 5V/2.3A GIP EMEA	
ETSZ9026BUO0N	Power Adapter 100-240V 5V/2.3A GIP Asia	
ETSN9026BUO1N	Power Adapter IN:100-240V OUT:5V/2.3A GIP	
EJP05A3260010	Power Adapter Thailand Plug 2P JQH	
EJP05D3260010	Power Adapter Korea Plug 2P JQH	
EJP0543260010	Power Adapter SAA Plug 2P JQH	
EJP0513260020	Power Adapter EU Pin 2P JQH	
EJP0553360020	Power Adapter UK Plug Pin 3P JQH	

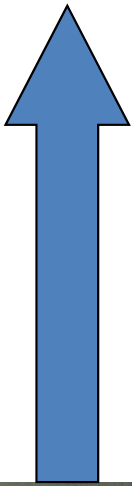
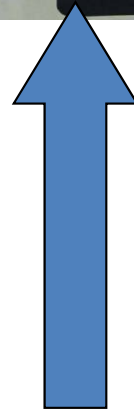
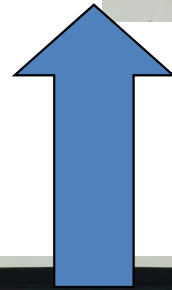
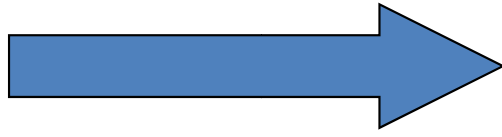
ECE6071000351S	Electrolytic capacitor	C206
ECE6071010351S	E-CAP SMD 100UF/16V 20% SIZE D (6.3*5.4)	C228
ECE3191020350S	Electrolytic capacitor	C81
EDLS2TWNA021NS	LED 0603 white IF=5mA 42-63mcd	D2,D3,D9,D10,D11,D12,D13 D14,D15,D16,D17,D18,D19
EDLS2TRNA021NS	LED 0603 red IF=3mA 620-630nm 12.5-24mcd	D20
EDACBAV16WS00S	Diode BAV16WS 75V 200MA	D21,D27,D28,D4,D22
EDG77SVM4510NS	Diode SVM1045V 45V MAX_10A	D26
EJT1210512000	Terminal socket 5PIN	J1
EJT3220201250	Terminal socket 2PIN	J11
EJK4100300010	Mini coaxial socket	J14
EJCN025R0400	Terminal socket 4PIN	J2
EJF30232A0500	FFC socket 32PIN 0.5mm 0.5A-32PLB white	J7
EJF0021820500	FFC socket 18PIN 0.5mm 0.5S-CX-18PWB grey	J8
EJT1210412001S	Terminal socket 5PIN	J9
ENLFR100KZ02NS	Common mode inductor 10UH 10% 4A	L12,L13
EBM42N7002310S	N-CH MOSFET SINGLE 240MA 2N7002 60V +/-20V SOT-23	Q10,Q18,Q1
EBMTAR030P02NS	P-CH MOSFET 2.5V DRIVE 12V RTR030P02GZTL	Q14,Q21
EBMP8TP7425QNS	P-CH MOSFET MTP7425Q8 SOP8 14A	Q16
EBBTAMEM2310WS	N-CH MOSFET 30V 5.8A SOT23 MEM2310	Q17
EBM080AO4420NS	N-MOS field effect tube SO-8 ALPH&OMEGA AO4420 9.7A	Q20
EBM080AO4420NS	N-MOS field effect tube SO-8 AO4420 9.7A	Q24
EBMTAR030P02NS	P-CH MOSFET 2.5V DRIVE 12V SOT-23 RTR030P02GZTL	Q3,Q4,Q5,Q35,Q36
EBM42N7002310S	N-CH MOSFET 240MA 2N7002 60V +/-20V SOT-23	Q6,Q12,Q13,Q15,Q22
ERV2N0250NT0FS	RES-VARISTOR ESD Protection 3PF 0603 25V	SG1,SG2,SG4,SG8
ERV2N0250NT0FS	RES-VARISTOR ESD Protection 3PF 0603 25V	SG3,SG5,SG6
ESW0611020070	Tact switch 2P	SW1,SW2,SW3,SW4,SW5, SW6
EIP896209A50NS	IC ME6209A50P-5V SOT89-3 Low Power Consumption LDO	U1
EIOSZBA4580RNS	IC BA4580RF OPAMP LOW NIOSE SOP8	U10,U16,U18
EIMTVTCA1116NS	IC TCA1116 16-BIT I2C I/O EXPANDER	U11
EIOSZLM13700NS	IC LM13700A SOP-16 OP AMP	U13
EIL000LM39310S	IC LM393MX-NOPB DUAL COMPARATORS	U14
EIDBA4510FV10S	IC OP AMP HP LV DUAL SSOP8 BA4510FV	U15
EIOSX0BU7251NS	IC Single operation amplifier BU7251 SSOP5	U17
EIATV0024BITNS	IC AK5358AET-E2 ADC 24BIT 96KHZ (HF)	U2
EIUQFTPS2546NS	IC TPS2546 16P USB CHARGING PORT CONTROLLER	U20
EIP896209A33NS	IC ME6209A33P-3.3V SOT89-3 LDO	U21
EIJ074LVC0410S	IC INVERTER SC70-5 SN74LVC1GU04DCKR	U3
EIPHT3130D2DNS	IC TPA3130D2DAPR POWER AMPLIFIER	U7
EIVQFBQ24133NS	IC BQ24133RGRYR 1.6-MHz QFN-24	U8
EQA1128453220S	Quartz crystal AT41CD2 16pF +/-30PPM 11.2896MHz	Y1
EKM3CHAR20010	Bluetooth module BM153 Charge 2 Version3.0+EDR	
EJF30232A0500	FFC socket 32PIN vertical white 0.5A-32PLB	
EJF1021880501	FFC socket 18PIN vertical white 0.5A-18PLB	
EJH1231403508	Headphone socket CK3.5-62T-1	
EJU5100510060	Micro USB socket 5PIN	
EJU5100410010	USB socket SUSB-01-C0-N1-P1	
EWA6CHARG0010	Bluetooth Antenna Charge 2	
EWF1007090180	FFC cable 18P L70mm	
EWF1007090320	FFC cable 32P L70mm	
EW34019404000	WIRE 4P UL1007 24AWG L100mm	

Charge 2+

Packaging Assembly Instruction

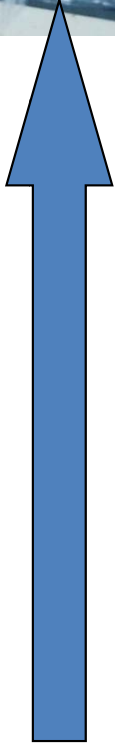




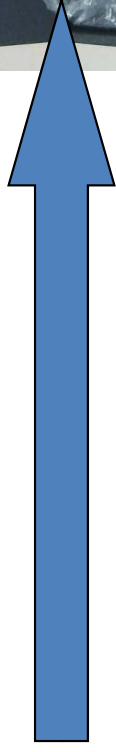




US/Japan/China version

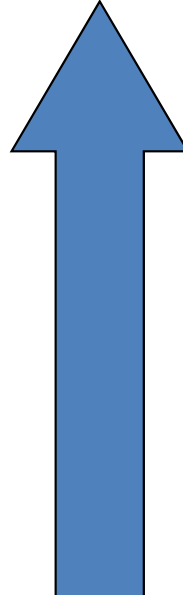


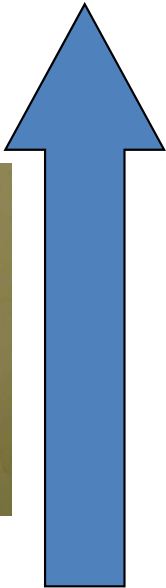
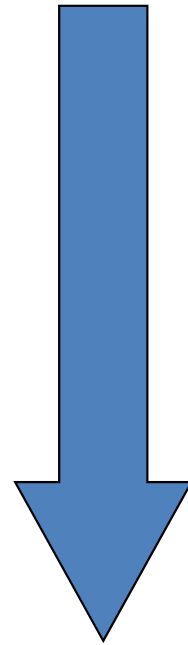
EMEA version

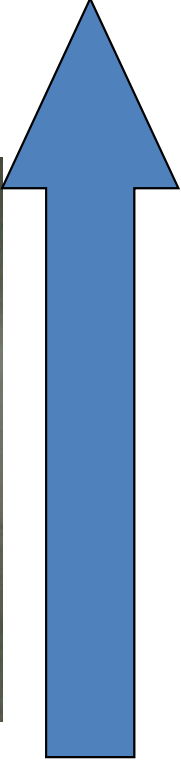
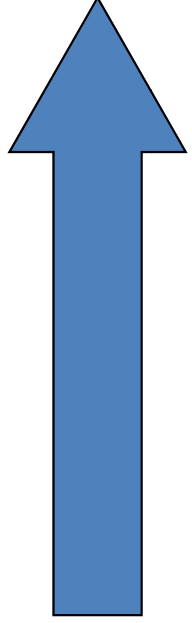
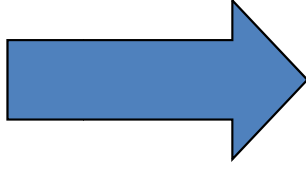


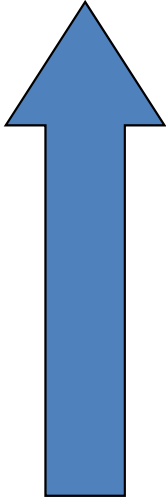
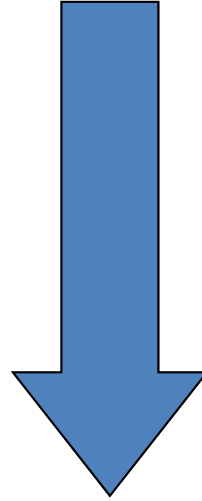
APAC version











Revision List

Version 1.0

- * Initial release for JBL Charge 2 plus on April. 2015

Version 1.1

- * Add some parts for assembled mechanical module & color versions & region versions and, another power adapter with supplier **JQH** on Spare Parts List.