AKG S20 UIS V0.2

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Revision History

Harman Design Center

Date	Version	Update made to document
2017.11.28	V0.1	1. Overal initial version of UIS
2017.11.29	V0.2	1. Remove HFP function and BT social pairing TBD

ID Design

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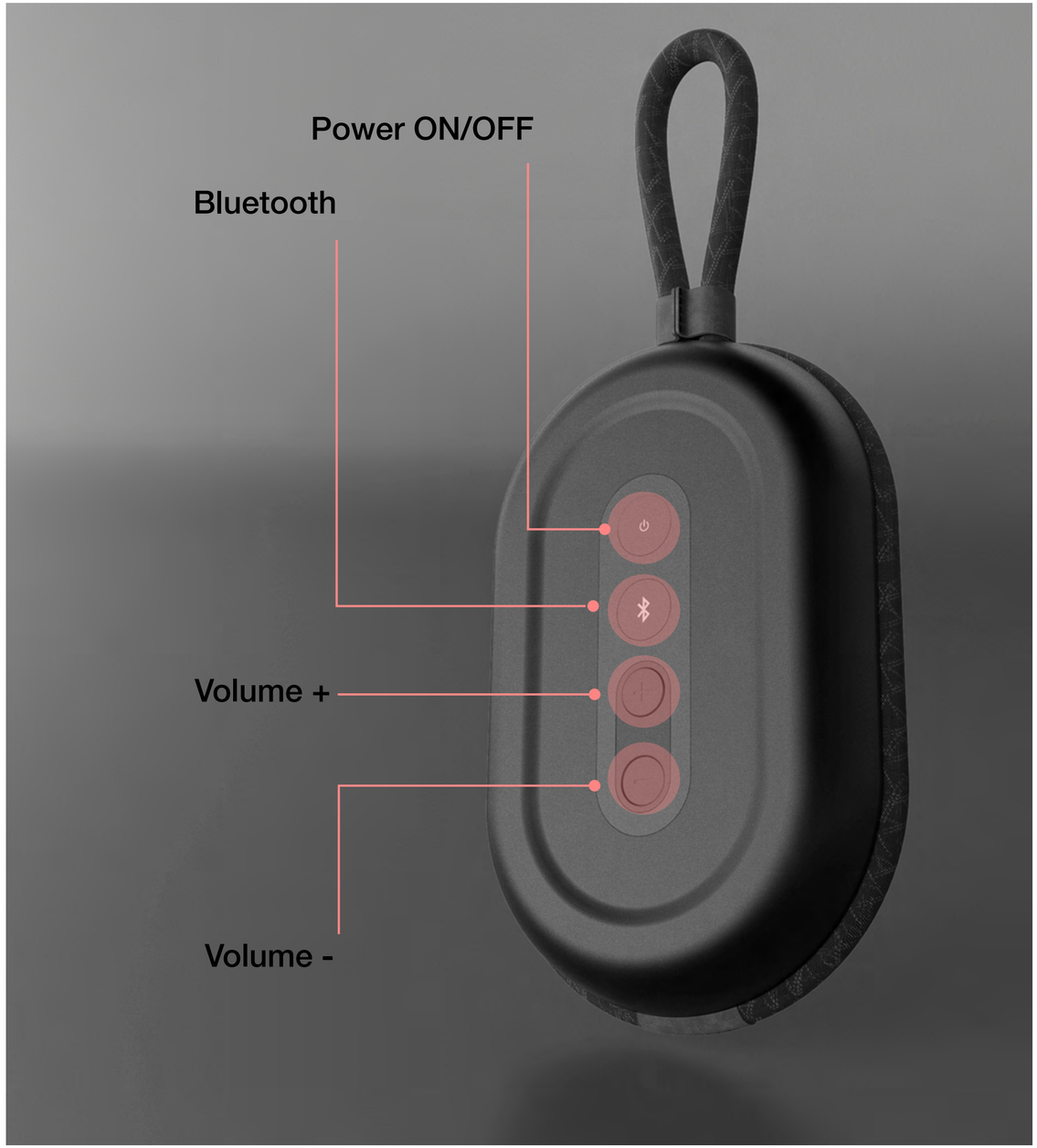

Touch Panel Behaviour

Touch Panel	Short Press —	Long Press ———	Etc
Volume -	Decrease volume by 1 step press to trigger	Decreasing volume quickly press and hold >=1 sec	17 (0-16, 0 means mute) steps on iPhone
Volume +	Increase volume by 1 step press to trigger	Increasing volume quickly press and hold >=1 sec	17 (0-16, 0 means mute) steps on iPhone
BT	Activate pairing mode for 3 mins, if no connection after 3 mins, LED goes back to BT not connected pattern when connected and playing music, press BT will diconnect the device and enter pairing mode press to trigger When in the pairing mode, can not press again to exit pairing mode		
Power	Power on / off press to trigger		

LED Behaviour

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LED Status

Off | White, Constant | White, Slow Flash | Red, Constant | White, Quick Flash | Red, Regular Flash

	Battery >15% + Fully charge	Low battery <15%	Charging
Power			
Power Off (inactivate for 15 minutes or batterry < 5%)	Off	Off	Red, Constant
Bluetooth			
Power On/ BT not connected	White, Slow Flash	Red, Regular Flash	Red, Constant
Bluetooth pairing mode (Press BT button)	White, Quick Flash	White, Quick Flash Timeout 3 min Red, Regular Flash	White, Quick Flash Timeout 3 min Red, Constant
Bluetooth connected	White, Constant	Red, Regular Flash	Red, Constant

Source Behaviour

Source	Description	Etc
Bluetooth	Need BT connection with phone LED indication: blue BT Logic Bluetooth name is “AKG S20” Speaker will try to reconnect last paired phone for 3 mins every time when power on When lost BT connection (out of BT range), speaker will auto reconnect the last paired device for 3 mins If speaker never paired to any device before, it will enter bluetooth pairing mode, and lasts for 3 mins, after press the power button Pairing mode lasts for 3 mins Speaker can store at least 8 connected phones information	Priority higher (Bluetooth > Aux)
AUX	AUX source plug and play LED indication: No	Priority lower (Bluetooth > Aux) AUX playing will not disconnect BT connection AUX cannot playing when Bluetooth is playing

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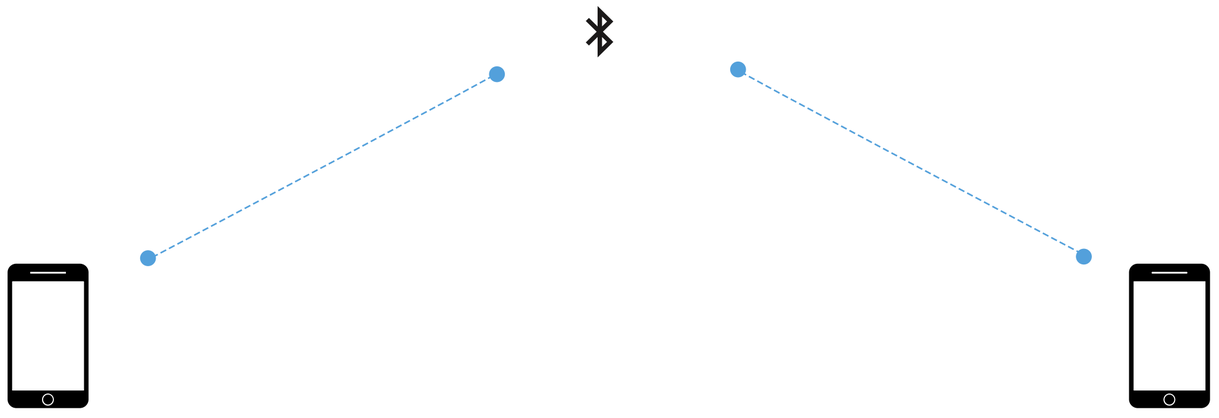
TBD



2 mobiles can be connected in bluetooth social pairing, the last connected mobile will take control.
If more than 2 mobiles added, the initially connected mobile will be removed and last connected one will join.

Audio Feedback table

Kinds		Action
Power	1	Power on
	2	Power off
Bluetooth	3	Enter BT pairing mode
	4	BT succussfully Connected
Others	9	Volume_Max

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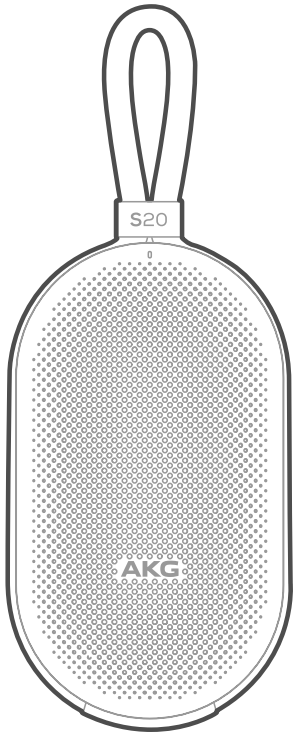
QUICK START GUIDE
GUIDE DE DÉMARRAGE RAPIDE

1 WHAT'S IN THE BOX



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QUICK START GUIDE
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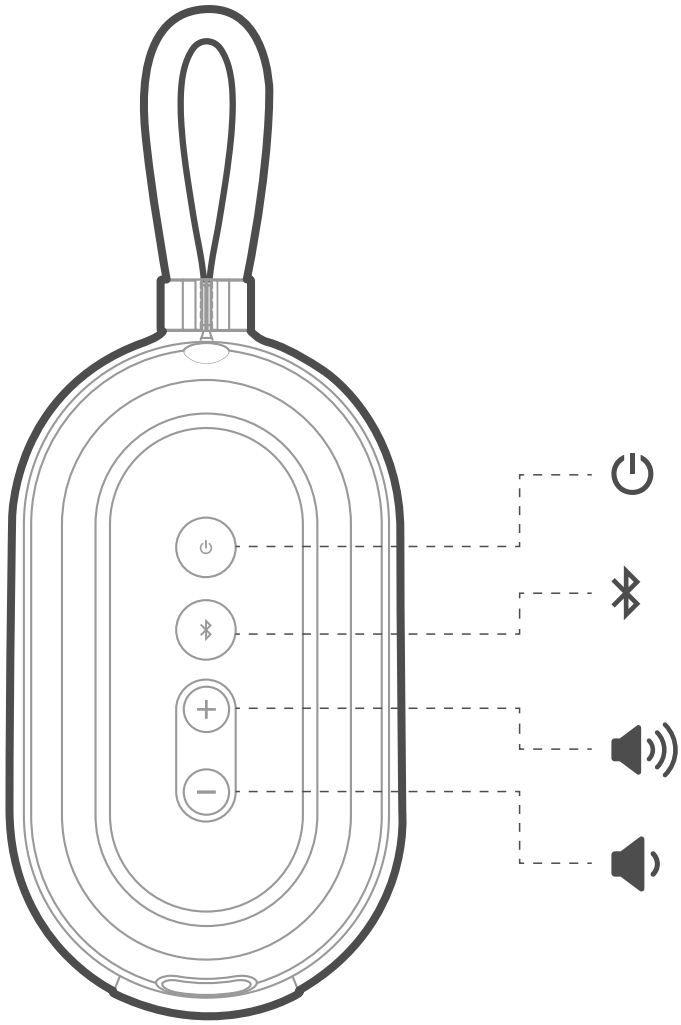
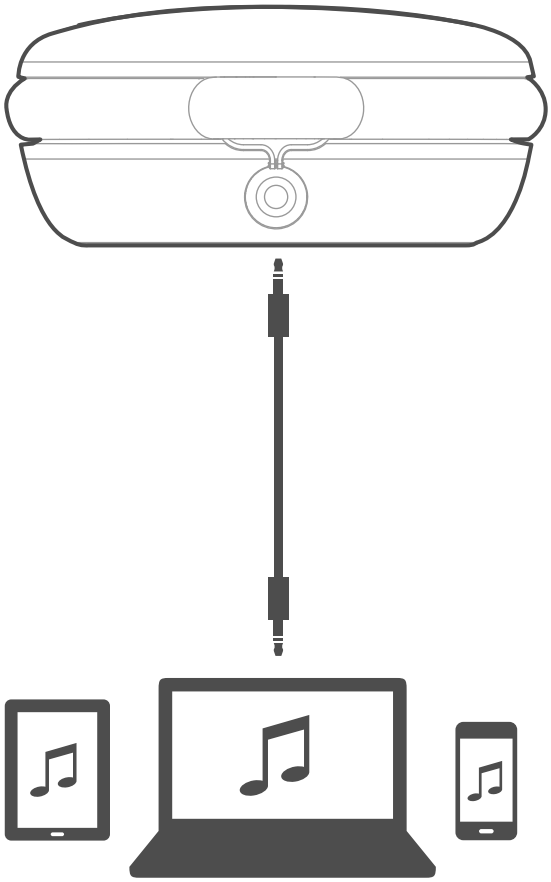
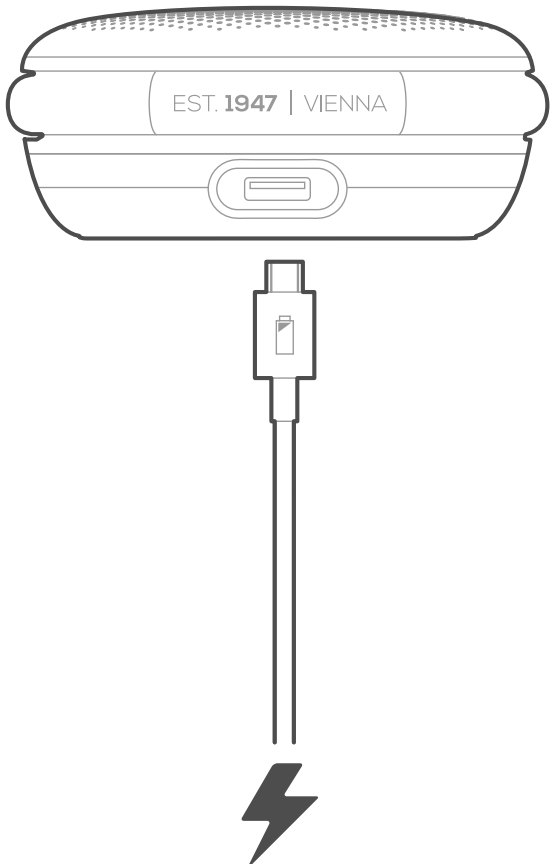
2	BUTTONS

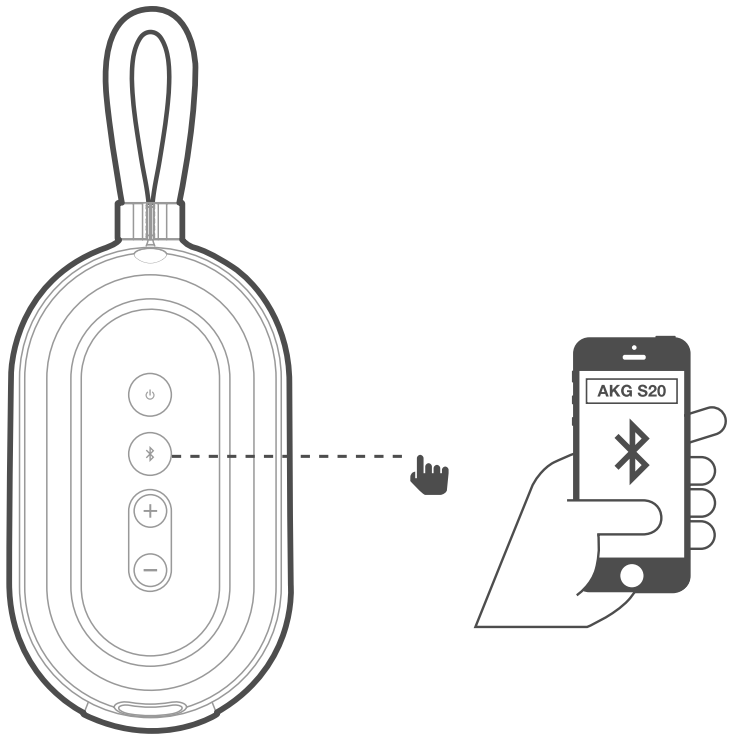


3 CONNECTIONS





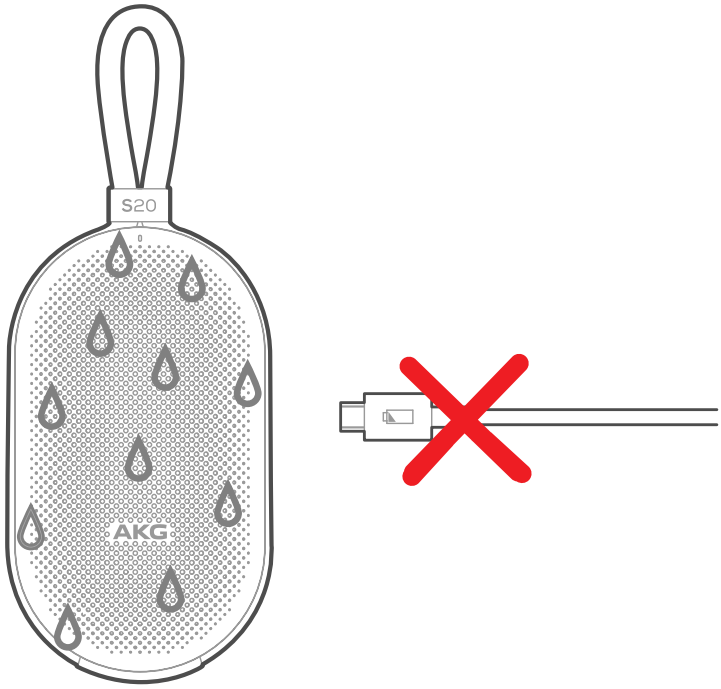
4 BLUETOOTH®



5 LED BEHAVIOUR

Status	LED indication
Low power	Blinking
Charging	On
Pairing Mode	Fast blinking
Not connected	Slow blinking
Connected	On

6 WARNING



AKG S20 IS IPX7 WATERPROOF

IMPORTANT: TO ENSURE THAT THE AKG S20 IS WATERPROOF, PLEASE REMOVE ALL CABLE CONNECTIONS AND TIGHTLY CLOSE THE CAP; EXPOSING THE AKG S20 TO LIQUIDS WITHOUT DOING SO MAY RESULT IN PERMANENT DAMAGE TO THE SPEAKER. AND DO NOT EXPOSE AKG S20 TO WATER WHILE CHARGING, AS DOING SO MAY RESULT IN PERMANENT DAMAGE TO THE SPEAKER OR POWER SOURCE.

IPX7 WATERPROOF IS DEFINED AS THE SPEAKER CAN BE IMMERSED IN WATER UP TO 1M FOR UP TO 30 MINUTES.

IF THE SPEAKER WILL NOT BE USED FOR A LONG PERIOD OF TIME, PLEASE RECHARGE THE BATTERY AT LEAST ONCE EVERY 3 MONTHS. BATTERY LIFE WILL VARY DUE TO USAGE PATTERNS AND ENVIRONMENTAL CONDITIONS.

S20

QUICK START GUIDE
GUIDE DE DÉMARRAGE RAPIDE

EN

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- TRANSDUCERS: 1.5” FULL RANGE
- OUTPUT POWER: 1 X 2.4W
- FREQUENCY RESPONSE: 120Hz-20KHz (-6dB)
- SIGNAL-TO-NOISE RATIO: >80dB
- BATTERY TYPE: LITHIUM-ION POLYMER (3.7V/1000mAh)
- BATTERY CHARGE TIME: 3 HOUR @ 5V, 0.5A
- MUSIC PLAYING TIME: UP TO 10 HOURS (VARIES BY VOLUME LEVEL AND AUDIO CONTENT)
- BLUETOOTH TRANSMITTER POWER: 0~9dBm
- BLUETOOTH TRANSMITTER FREQUENCY RANGE: 2.402 – 2.480GHz
- BLUETOOTH TRANSMITTER MODULATION: GFSK, Π/4 DQPSK, 8DPSK
- DIMENSIONS (H X W X D) WITH ROPE ASSY: 220*82*36mm
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- BLUETOOTH TRANSMITTER POWER: 0~9dBm
- BLUETOOTH TRANSMITTER FREQUENCY RANGE: 2.402 – 2.480GHz
- BLUETOOTH TRANSMITTER MODULATION: GFSK, Π/4 DQPSK, 8DPSK
- DIMENSIONS (H X W X D) WITH ROPE ASSY: 220*82*36mm
- DIMENSIONS (H X W X D): 142*82*36mm
- WEIGHT: 236g

HE

- BLUETOOTH VERSION: 4.1+EDR
- SUPPORT: V1.2, AVRCP V1.5, HFP V1.6, HSP V1.2
- TRANSDUCERS: 1.5” FULL RANGE
- OUTPUT POWER: 1 X 2.4W
- FREQUENCY RESPONSE: 120Hz-20KHz (-6dB)
- SIGNAL-TO-NOISE RATIO: >80dB
- BATTERY TYPE: LITHIUM-ION POLYMER (3.7V/1000mAh)
- BATTERY CHARGE TIME: 3 HOUR @ 5V, 0.5A
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Торговая марка: AKG
Назначение товара: Активная акустическая система
Изготовитель: Харман Интернешнл Индастриз Инкорпорейтед, США, 06901 Коннектикут, г.Стэмфорд, Атлантик Стрит 400, офис 1500
Страна происхождения: Вьетнам
Импортер в Россию: ООО “ХАРМАН РУС СиАйЭс“, Россия, 127018, г.Москва, ул. Двинцев, д.12, к 1
Гарантийный период: 2 года
Информация о сервисных центрах: www.harman.com/ru тел. +7-800-700-0467
Срок службы: 3 года
Товар сертифицирован EAC
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GUIDE DE DÉMARRAGE RAPIDE

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VOICE LOGIC

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

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"

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