

AETA products: Audio codecs



AETA codecs Overview

Product ranges : Rackmount codecs

- SCOOP5 S
All networks in 1U
- SCOOP5 S-IP
Only IP network, without front panel
- SCOOPFONE HD-R
For cellular call GSM/HD Voice
- SCOOPFONE 4G
For cellular call GSM/HD Voice



Codecs for all applications, contribution and distribution, studio or outside

AETA codecs

Overview

Product ranges : Portable codecs

- SCOOPY+ S

Multi-network / 3 inputs / Stereo



- SCOOPFONE HD

Cellular mode / 2 inputs / Mono



- SCOOPFONE 4G

Cellular mode (Voice and data) / 2 inputs / Mono



 **Codecs for all applications, contribution and distribution, studio or outside**

AETA codecs

Networks and coding algorithms

Codec	Wired			Wireless		
	POTS	ISDN	Ethernet	3G+ LTE	EDGE UMTS	Voice
GSM, AMR						
G711						
AMR-WB						
CELP						
G722						
4SB ADPCM						
MPEG L2						
MPEG AAC						
OPUS						

3 kHz

7 kHz

15 kHz

20 kHz



Codecs for all networks, wide range of algorithms

Rackmount codecs: Scoop 5 S



Main design features

- Multi-network: X24/V11, Ethernet/IP, ISDN, POTS, Mobile
- Multi-algorithm
- Linux platform
- 1 RU size: compact, convenient for OB vans
- Low consumption, no fan: quiet, reliable
- 12VDC power optional

Interfaces

- Digital AES-EBU I/O as standard.
- Balanced protected analog I/O
- 8 GPIO, including 2 opto-isolated
- Auxiliary data channel
- User interface: easy to use front panel access
- Remotely controllable and monitorable: IP, RS232, HTML



Scoop 5 S Positioning

Positioning

- ISDN and IP contribution
- STL (Distribution or Studio to Transmitter Link): LL, IP
- OB Vans: ISDN, IP, Wireless, POTS
- Middle/High end



Safe platform for a wide range of applications

Scoop 5 S Positioning

RADIOS

- Any live events :
 - News
 - Sports events
 - Street games
 - Interviews
 - ...

Duplex communication with portable
codecs on field



- RMC Sport have 12 Scoop in each studio for multiplex sport events



Safe platform for a wide range of applications

Scoop 5 S Positioning

TELEVISION

- Technical coordination / Intercom for:
 - Live News
 - Sports events
 - Any big event (elections...)
 - Interviews
 - ...

Complementary devices : Scoop Manager software + interface for coordination and monitoring GTC112



- *TV installation : Scoop 5 with GTC112*



Safe platform for a wide range of applications

Scoop 5 S

Some big features

- Multi-network : IP / LL / ISDN / POTS / Wireless
- Compact and low power => for OB vans
- Reliable platform, telecom grade quality
- High quality audio interfaces
- 5AS for ISDN
- 4SB ADPCM or MICDA 4SB : “Analog like” latency over ISDN
- SIP compatible and compliant with EBU Tech 3326 (aka N/ACIP)
- HD Voice

Rackmount codecs: Scoop 5 S-IP



Main design features

- Network: Ethernet/IP only
- Multi-algorithm
- Linux platform
- Low consumption, no fan: quiet, reliable
- 12VDC power optional

Interfaces

- Digital AES-EBU I/O as standard.
- Balanced protected analog I/O
- 8 GPIO, including 2 opto-isolated
- Auxiliary data channel
- Remotely controllable and monitorable: IP, RS232, HTML



Portable codecs: Scoopy+ S range

Applications

- News remotes
- Live sport commentaries with local contributors
- Remote two-way interviews
- Remote contributions into studio discussions
- Live music concerts



"4 wheel drive" codec for every field situation

Scoopy+ S

Network and audio interfaces

Network

- IP/Ethernet
- ISDN: up to 20 kHz (optional)
- POTS: 7 kHz speech (optional)
- Wireless (optional)
 - GSM / 3G / 3G+ / LTE
 - Integrated module and antenna
 - USB
 - Voice, standard or HD Voice
 - Data/IP : PS mode
- Inmarsat BGAN (optional)

Audio

- Integrated high performance mixer
- 3 Microphone / Line Inputs
- 2 Headphone Outputs
- 2 Line Outputs
- HP filters, limiters
- Mono or stereo operation
- Recording on SD Card
- USB interface



Most flexible portable codec on the market

Scoopy+ S

Versions and options

Networks

- IP on standard
- ISDN 2B (Optional)
- POTS (Optional)
- Mobile HD Voice-4G (Optional)
- Inmarsat BGAN remote (Optional)

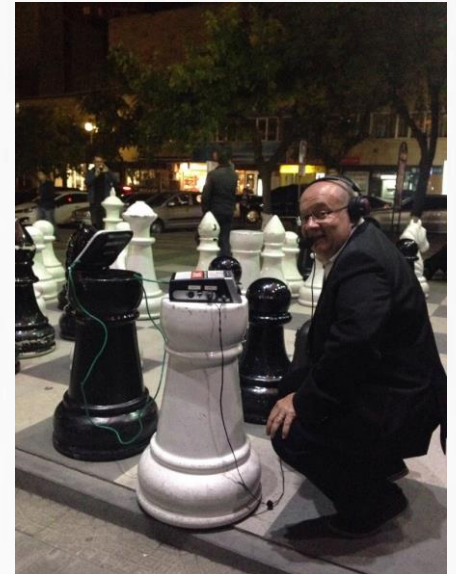
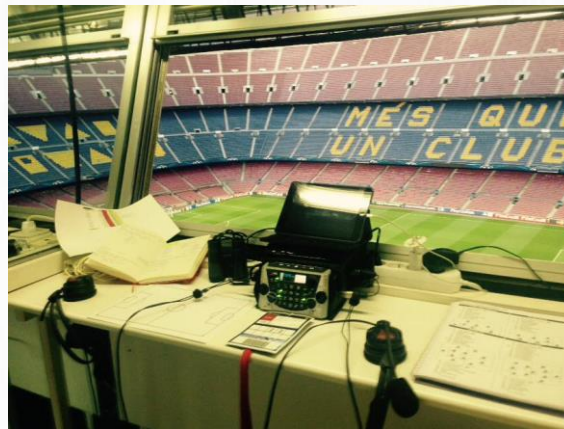
Additional features

- Recording : On SD Card, mono or stereo + Basic editing (Optional)

Scoopy+ S Positioning

Positioning

- “Swiss –knife” portable codec
- Portable and autonomous unit
- Middle - High end market



Most portable and flexible codec on the market, recognized reference

Scoopy+ S

Some big features

- Highly integrated, light and autonomous unit : *really* portable
- High performance audio interfaces
- Friendly user interface
- Powerful embedded html server
- **4SB ADPCM: "ANALOG LIKE" LATENCY OVER ISDN**
- 5AS for ISDN
- SIP compatible and compliant with EBU Tech 3326 (aka N/ACIP)
- Recording features
- **INTEGRATED WIRELESS GSM/3G/UMTS/EDGE**
- **HD VOICE**
- Voice mode can also be used for coordination

AETA Codecs Control systems

- **Scoop Manager**
 - Codec pool management
 - Flexible and very ergonomic



AETA Codecs Control systems

■ GTC112

- Complements codec pool, w/ or w/o Codec Live
- Inserted on the audio path to/from the codec
- Dedicated and efficient control surface



Radio Broadcasting via IP/Ethernet based on AETA Codecs

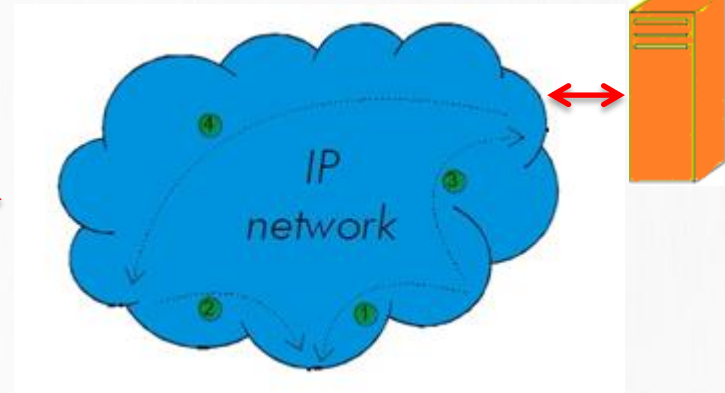
EVENT SITE

Portable codec
Scoopy+ S



IP/Ethernet

STUN server



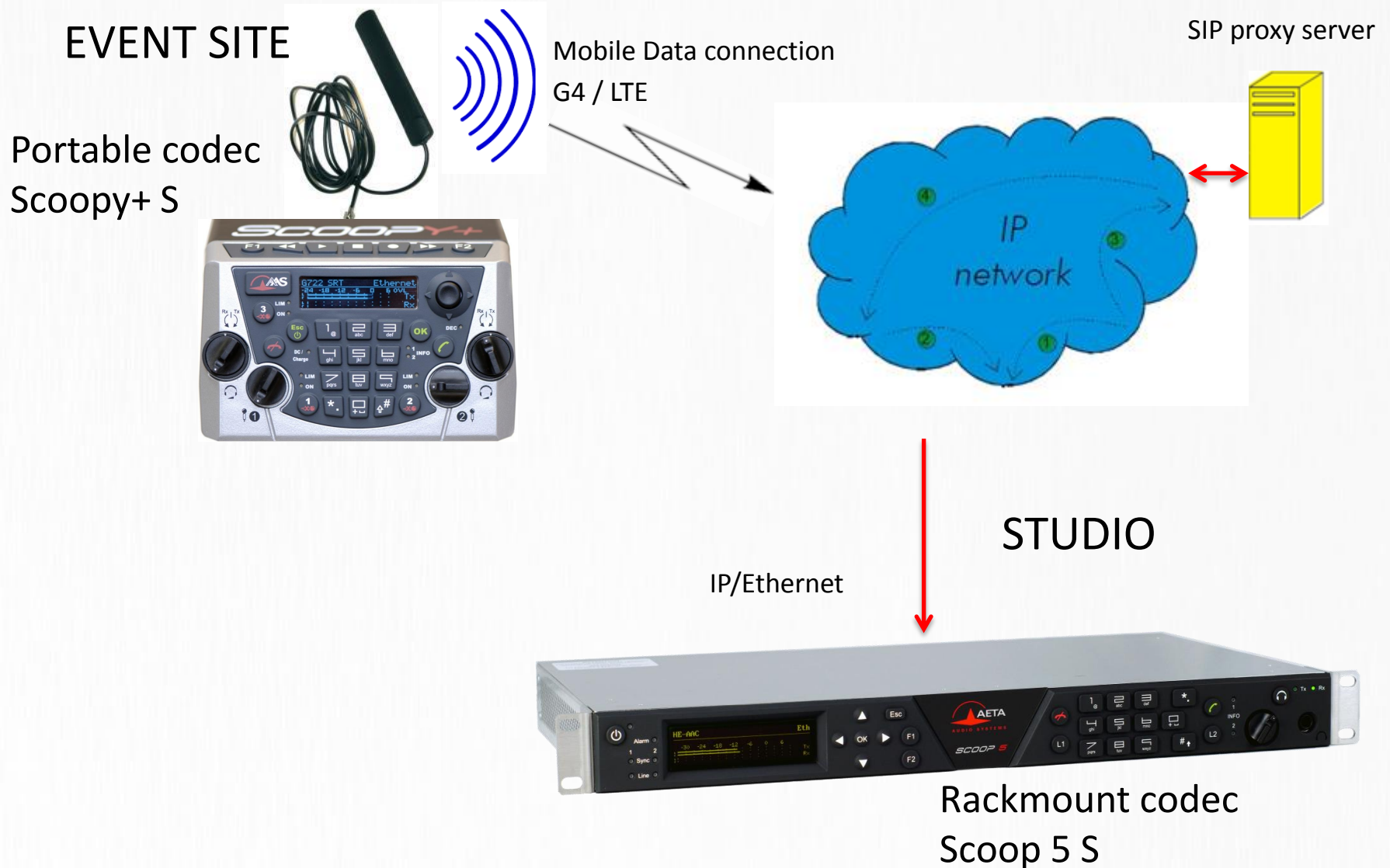
STUDIO

IP/Ethernet

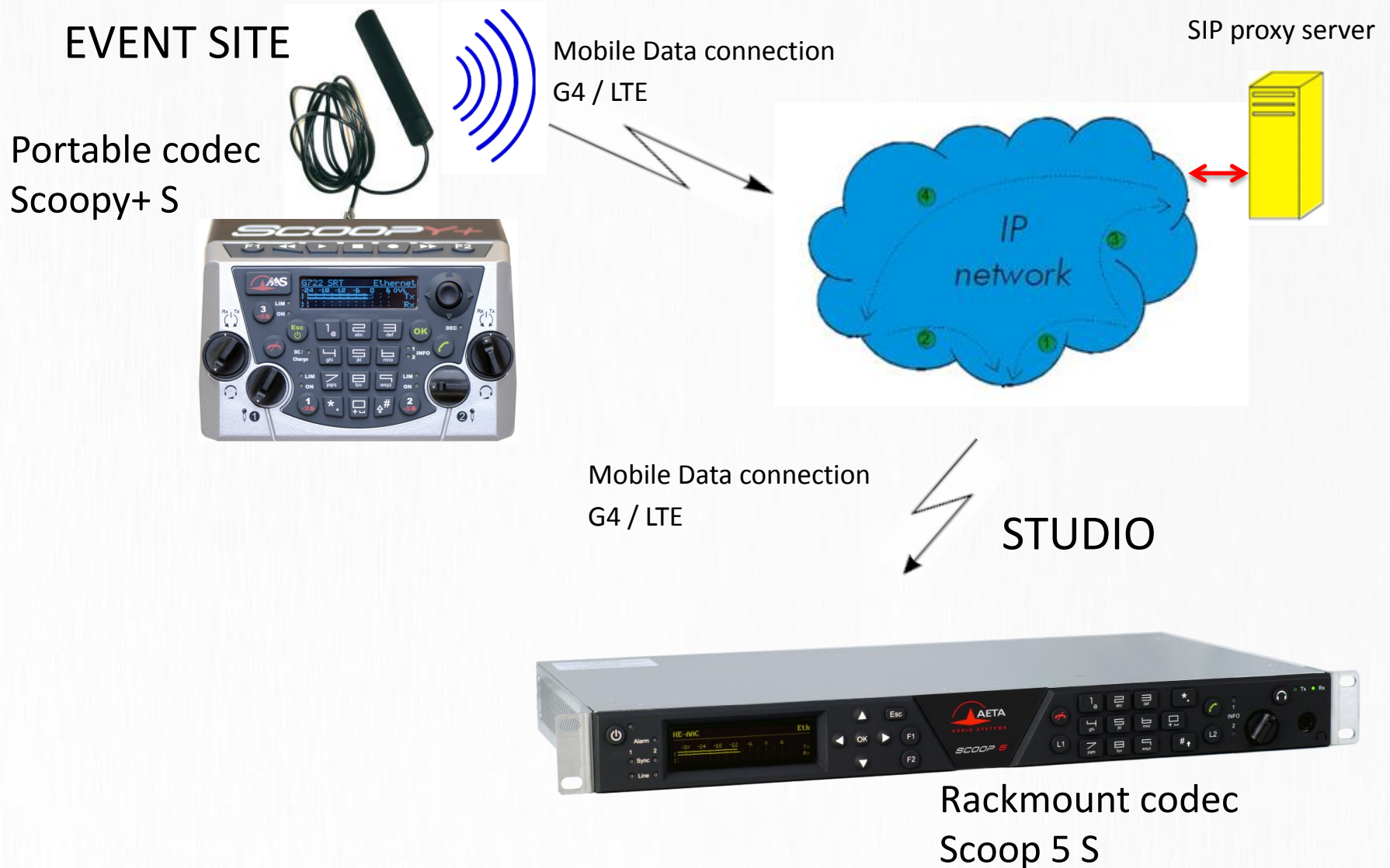


Rackmount codec
Scoop 5 S

Radio Broadcasting via G4 / LTE Radio Mobile Connection based on AETA Codecs



Radio Broadcasting via G4 / LTE Radio Mobile Connection based on AETA Codecs



Reportages and interview via GSM network (HD Voice two-ways transmission)

EVENT SITE

Portable codec
Scoopy+ S



HD Voice
G2 / G3



Mobile network
G2 / G3



STUDIO

HD Voice
G2 / G3



Rackmount codec
Scoop 5 S

Reportages and interview via G4 / LTE Radio Mobile Connection using mobile devices (i-phones, smartphones, etc.)

EVENT SITE

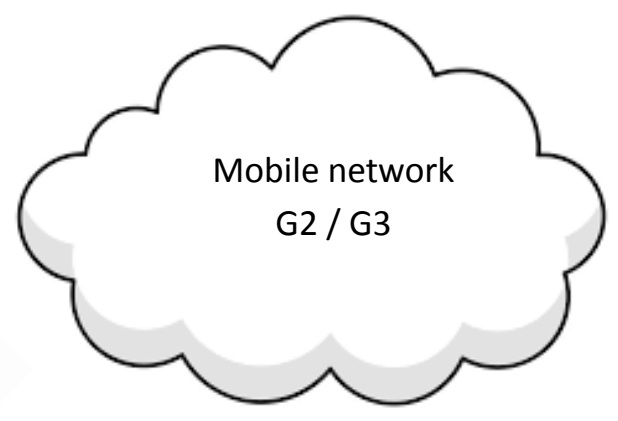
Any smartphone
supporting HD Voice



HD Voice
G2 / G3



Mobile network
G2 / G3



STUDIO

HD Voice
G2 / G3



Rackmount codec
Scoop 5 S

List of devices supporting HD Voice

Acer	CloudMobile S500
Acer	Liquid Z2
AETA Audio Systems	ScoopFone R
AETA Audio Systems	ScoopFone HD
AETA Audio Systems	Scoop+ HD
AETA Audio Systems	Scoop 5
AETA Audio Systems	Scoop 5 Ravenna
Apple	iPhone 5
Apple	iPhone 5c
Apple	iPhone 5s
Asus	Padfone X PF500KL (VoLTE)
Blackberry	Torch 9810
Blackberry	Q5
Blackberry	Q10
Blackberry	Z10
Blackberry	Z30
Gigabyte	Orange Nivo
Gigabyte	Orange San Diego
Gigabyte	Orange Santa Clara
GlenSound	GS-MPI004HD for broadcasters
GlenSound	GS-MPI005HD for broadcasters
GlenSound	GS-MPI007HD for broadcasters
GlenSound	RECCE HD for broadcasters
HTC	A810e ChaCha
HTC	Desire C
HTC	Desire HD
HTC	Desire S
HTC	Desire X
HTC	EVO 3D (PG86310)
HTC	S510e Desire S
HTC	Incredible
HTC	Incredible S
HTC	One mini
HTC	One S
HTC	One SV
HTC	One V
HTC	One X
HTC	One XL
HTC	One X+
HTC	PG88100 Sense
HTC	Radar
HTC	Raider (PH39150)
HTC	Rhyme
HTC	Sensation

HTC	Sensation XE
HTC	Sensation XL
HTC	Titan
HTC	Wildfire S
HTC	Windows Phone 8S
HTC	Windows Phone 8X (Accord)
Huawei	Ascend D Quad
Huawei	Ascend D2 LTE (VoLTE)
Huawei	Ascend G510 (Daytona on Orange)
Huawei	Ascend G740
Huawei	Ascend P1 U9200
Huawei	Ascend P2
Huawei	Ascend P6
Huawei	Boulder U8350
LG	Saffron (A310)
LG	Nexus 4 (E960)
LG	Nexus 5
LG	Optimus G (E975)
LG	Optimus G Pro (E986, E988)
LG	Optimus L4 II (E440)
LG	Optimus L5 (E610)
LG	Optimus L5 II (E460)
LG	Optimus L7 (P700)
LG	Optimus L7 II (P710)
LG	Optimus L9 (P760)
LG	Optimus LTE2 F160LV (VoLTE)
LG	Optimus F180S (VoLTE)
LG	Optimus Vu2 F200 (K,L,S) (VoLTE)
LG	Optimus Vu3 F300 (K,L,S) (VoLTE)
LG	Optimus GX F310L (VoLTE)
LG	Optimus G2 F320S (VoLTE)
LG	Optimus G Pro F240S (VoLTE)
LG	Optimus LTE III F260S (VoLTE)
LG	Optimus G Flex F340S (VoLTE)
LG	Optimus 3D Max (P720)
LG	Optimus 3D (P920)
LG	Optimus 4XHD (P880)
LG	Prada (P940)
LG	Prada 3
Longcheer	M970E
Longcheer	S801E
Motorola	Moto G
Motorola	Quench
Motorola	RAZR V
Motorola	RAZR HD LTE
Nokia	300
Nokia	301
Nokia	302

List of devices supporting HD Voice

Nokia	500
Nokia	515
Nokia	600
Nokia	603
Nokia	700
Nokia	701
Nokia	808
Nokia	5230
Nokia	5330
Nokia	6700 Slide
Nokia	6720 Classic
Nokia	7230
Nokia	PureView 808
Nokia	Asha 300
Nokia	Asha 301
Nokia	Asha 302
Nokia	Asha 303
Nokia	Asha 311
Nokia	C3-01 Touch and Type
Nokia	C5-03
Nokia	C5-04
Nokia	C6-00
Nokia	C6-01
Nokia	C7-00
Nokia	E5
Nokia	E52-1
Nokia	E52-2
Nokia	E55-1
Nokia	E55-2
Nokia	E6-00
Nokia	E7 Communicator
Nokia	E7-00
Nokia	E72
Nokia	Lumia 510
Nokia	Lumia 520
Nokia	Lumia 520.2
Nokia	Lumia 521
Nokia	Lumia 610
Nokia	Lumia 610 NFC
Nokia	Lumia 620
Nokia	Lumia 625 LTE
Nokia	Lumia 710
Nokia	Lumia 720
Nokia	Lumia 800
Nokia	Lumia 810
Nokia	Lumia 820
Nokia	Lumia 822
Nokia	Lumia 900
Nokia	Lumia 920
Nokia	Lumia 920T
Nokia	Lumia 925
Nokia	Lumia 925 Superman Edition
Nokia	Lumia 925T
Nokia	Lumia 928
Nokia	Lumia 929 LTE-A (Cat 4)
Nokia	Lumia 1020.2
Nokia	Lumia 1020 3G
Nokia	Lumia 1020 LTE
Nokia	Lumia 1520
Nokia	N7-00
Nokia	N8-00
Nokia	N9-00

Nokia	X3-02 Touch and Type
Nokia	X5
Nokia	X6
Nokia	X6 8GB
Nokia	X6 16GB
Nokia	X6 32GB
Nokia	X7-00
Pantech	Vega IM-R3 A850 (L,S) (VoLTE)
Pantech	Vega No 6 IM-A860S (VoLTE)
Pantech	Vega Iron IM-A870S (VoLTE)
Pantech	IM-A880S (VoLTE)
Pantech	Vega Secret Note IM-A890S (VoLTE)
Samsung	Ativ S
Samsung	Omnia Pro 4 B7350
Samsung	Galaxy Ace
Samsung	Galaxy Ace 2 i8160
Samsung	Galaxy Ace S5830
Samsung	Galaxy Express
Samsung	Galaxy Fame
Samsung	Galaxy Light
Samsung	Galaxy Mega
Samsung	Galaxy mini S5570
Samsung	Galaxy mini 2 GT-S6500
Samsung	Galaxy Nexus
Samsung	Galaxy Note
Samsung	Galaxy Note 2
Samsung	Galaxy Note 2 LTE
Samsung	Galaxy Note 2 LTE SHV-E250S (VoLTE)
Samsung	Galaxy Note 10.1 LTE 32GB (VoLTE)
Samsung	Galaxy Note 3
Samsung	Galaxy Note 3 SM-N900S (VoLTE)
Samsung	Galaxy Note 3 SM-N9008V TD-LTE (VoLTE)
Samsung	Galaxy Pop SHV-E220S (VoLTE)
Samsung	Galaxy S Advance
Samsung	Galaxy S Plus
Samsung	Galaxy S2
Samsung	Galaxy S2 GT-i9100 (with NFC)
Samsung	Galaxy S2 Plus GT-i9105
Samsung	Galaxy S2 LTE
Samsung	Galaxy S3
Samsung	Galaxy S3 Mini
Samsung	Galaxy S3 LTE SHV-E210 (K,L,S) (VoLTE)
Samsung	Galaxy Grand SHV-E270 (K,L,S) (VoLTE)
Samsung	Galaxy S4
Samsung	Galaxy S4 GT-i9507 / i9507V (VoLTE)
Samsung	Galaxy S4 Mini
Samsung	Galaxy S4 LTE SCH-R970C (VoLTE)
Samsung	Galaxy S4 LTE SHV-E300 (K,L,S) (VoLTE)
Samsung	Galaxy Mega 6.3 LTE SHV-E310S (VoLTE)
Samsung	Galaxy S4 SHV-E330 LTE-A (K,L,S) (VoLTE)
Samsung	Galaxy Golden SHV-E400 (K,S) (VoLTE)
Samsung	Galaxy Win SHV-E500S (VoLTE)
Samsung	Galaxy 4 Zoom LTE SM-C105S (VoLTE)
Samsung	Galaxy Round LTE SM-G910S (VoLTE)
Samsung	Galaxy S5
Samsung	Galaxy S5 SM-G900 (A,D,F,P,R4,S,T) (VoLTE)

List of devices supporting HD Voice

Samsung	Galaxy S5 SM-G9006V (VoLTE)
Samsung	Galaxy S5 SM-9008S (VoLTE)
Samsung	Galaxy S5 SM-G9009 (D,M,V) (VoLTE)
Samsung	Galaxy W i8150
Samsung	Xcover S5690
Samsung	Galaxy Y (Young)
Samsung	Omnia 7 GT-I8700
Samsung	Omnia W GT-I8350
Samsung	Wave 578 (GT-S5780)
Samsung	S5610
Samsung	S8600 Wave 3
Sony	Elm
Sony	Hazel (Quicksilver on Orange)
Sony	T19i Live with Walkman
Sony	Xperia A SO-04E
Sony	Xperia Acro
Sony	Xperia Acro HD
Sony	Xperia Acro S (LT26w)
Sony	Xperia Active
Sony	Xperia arc
Sony	Xperia arc s
Sony	Xperia E
Sony	Xperia E dual C1605
Sony	Xperia Go (ST27i)
Sony	Xperia i1 HSPA+ C6902
Sony	Xperia i1 LTE
Sony	Xperia ion
Sony	Xperia J
Sony	Xperia L
Sony	Xperia M
Sony	Xperia M35t (VoLTE)
Sony	Xperia mini
Sony	Xperia mini Pro
Sony	Xperia mini 2
Sony	Xperia miro
Sony	Xperia neo
Sony	Xperia P
Sony	Xperia play
Sony	Xperia pro
Sony	Xperia ray
Sony	Xperia S
Sony	Xperia Sola
Sony	Xperia SP
Sony	Xperia T
Sony	Xperia Tipo
Sony	Xperia Tipo Dual
Sony	Xperia U
Sony	Xperia V
Sony	Xperia X8
Sony	Xperia X10 mini
Sony	Xperia X10 mini pro
Sony	Xperia Z
Sony	Xperia ZL
Sony	Xperia ZR
Sony	Xperia Z1
Sony	Xperia Z1S (T Mobile US only)
Sony	Xperia Z1 Compact LTE-A D5503
Sony	Xperia Z2 LTE-A D6543/D6503
TCL	Alcatel OT Glory 2
TCL	Alcatel OT Hero (A, D, E, Y)
TCL	Alcatel OT Idol 6030X
TCL	Alcatel OT Idol Ultra 6033Q

TCL	Alcatel OT Idol a
TCL	Alcatel OT Idol S 6034 (M, R)
TCL	Alcatel OT Idol X+
TCL	Alcatel OT Idol 2 6037 (B,I,K,Y)
TCL	Alcatel OT Idol Mini 6012 D/EU X/EU
TCL	Alcatel OT Idol 2 Mini 6016 (D, X)
TCL	Alcatel OT Idol 2 Mini S 6036 (A,X,Y)
TCL	Alcatel OT Idol 2 S 6050Y
TCL	Alcatel OT Idol X 6040 (A,D,E)
TCL	Alcatel OT Pixi 4007D/4007E
TCL	Alcatel OT Scribe Easy (8000D)
TCL	Alcatel OT Scribe HD
TCL	Alcatel OT Snap 7025
TCL	Alcatel OT Snap LTE 7030 (R,Y)
TCL	Alcatel OT 890/890D
TCL	Alcatel OT 903
TCL	Alcatel OT 908/908F
TCL	Alcatel OT 916/916D
TCL	Alcatel OT 918 (option)
TCL	Alcatel OT 981A Tribe
TCL	Alcatel OT 983
TCL	Alcatel OT 985/985D
TCL	Alcatel OT 990
TCL	Alcatel OT 991/991D
TCL	Alcatel TMN Smart A8
TCL	Alcatel OT 992D
TCL	Alcatel OT 993/993D
TCL	Alcatel OT 995/996
TCL	Alcatel OT M'Pop
TCL	Alcatel OT Pop C1 4015X
TCL	Alcatel OT Pop C3 4033 (D,X)
TCL	Alcatel OT Pop C5 5036 (D,X)
TCL	Alcatel OT Pop C7 7041 (D,X)
TCL	Alcatel OT Pop C9 7047 (A,D)
TCL	Alcatel OT Pop Fit 4002X
TCL	Alcatel OT Pop S3 5050 (A,Y)
TCL	Alcatel OT Pop S7 7045 (A,Y)
TCL	Alcatel OT Pop S9 7050 (K,Y)
TCL	Alcatel OT S'Pop
TCL	Alcatel OT T'Pop
TCL	Alcatel OT X'Pop
TCL	Alcatel OT Star 6010
TCL	Orange San Remo
TechFaith	Wildfire 80
ZTE	Blade V880
ZTE	Crescent (San Francisco 2 on Orange)
ZTE	Era
ZTE	F160 Atlanta
ZTE	Grand X
ZTE	Grand X IN
ZTE	Orbit
ZTE	R252 / Orange Tara
ZTE	Kis Pro / Orange Zali
ZTE	Skate (Monte Carlo on Orange)
ZTE	Smart Netphone 701
ZTE	Tania
ZTE	TMN smart A15

THANK YOU!