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VoIP Codec Uebersicht

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Opus codec support

WARNING: opus codec is listed here as an experimental feature, without production-grade support at the moment! Due to limited memory, the opus codec is not available for D120.

iLBC codec support

LIMITATION: If incoming SDP has different ptime (eg. ptime=30) than the configured ptime (e. g., Packet Size=20), the behaviour is undefined. To prevent this, please make sure the phone is configured with correct ptime.

Supported Codecs on D305, D315, D345, D375, D385, D712, 715, 725, D745, D765 and D785

SDP Name	Setting Name	Fmt	Rate	Ptime 10ms	Ptime 20ms	Ptime 30ms	Ptime 40ms	Ptime 60ms	Bandwi
G722	g722		16000	20px	20px	20px	20px	20px	64
PCMU	pcmu		8000	20px	20px	20px	20px	20px	64
PCMA	pcma		8000	20px	20px	20px	20px	20px	64
x-msrta	msrta-nb	bitrate=11800	8000	20px	20px	20px	20px	20px	12
x-msrta	msrta-wb	bitrate=29000	16000	20px	20px	20px	20px	20px	64
x-msrta	msrta	bitrate=11800	8000	20px	20px	20px	20px	20px	12
opus	opus-wb	maxplaybackrate=16000	48000	20px	20px	20px	20px	20px	64
opus	opus-nb	maxplaybackrate=8000	48000	20px	20px	20px	20px	20px	12
opus	opus		48000	20px	20px	20px	20px	20px	64
AMR	amr-0		8000	20px	20px	20px	20px	20px	4
AMR	amr-1		8000	20px	20px	20px	20px	20px	5
AMR	amr-2		8000	20px	20px	20px	20px	20px	6
AMR	amr-3		8000	20px	20px	20px	20px	20px	7
AMR	amr-4		8000	20px	20px	20px	20px	20px	7
AMR	amr-5		8000	20px	20px	20px	20px	20px	8
AMR	amr-6		8000	20px	20px	20px	20px	20px	10
AMR	amr-7		8000	20px	20px	20px	20px	20px	12
AMR-WB	amrwb-0		16000	20px	20px	20px	20px	20px	7
AMR-WB	amrwb-1		16000	20px	20px	20px	20px	20px	9
AMR-WB	amrwb-2		16000	20px	20px	20px	20px	20px	13
AMR-WB	amrwb-3		16000	20px	20px	20px	20px	20px	14
AMR-WB	amrwb-4		16000	20px	20px	20px	20px	20px	16
AMR-WB	amrwb-5		16000	20px	20px	20px	20px	20px	18
AMR-WB	amrwb-6		16000	20px	20px	20px	20px	20px	20
AMR-WB	amrwb-7		16000	20px	20px	20px	20px	20px	23
AMR-WB	amrwb-8		16000	20px	20px	20px	20px	20px	24
AMR-WB	amrwb		16000	20px	20px	20px	20px	20px	7
GSM	gsm		8000	20px	20px	20px	20px	20px	13

G723	g723		8000	20px	20px	20px	20px	20px	7
G726-16	g726-16		8000	20px	20px	20px	20px	20px	16
G726-24	g726-24		8000	20px	20px	20px	20px	20px	24
G726-32	g726-32		8000	20px	20px	20px	20px	20px	32
G726-40	g726-40		8000	20px	20px	20px	20px	20px	40
AAL2-G726-16	aal2-g726-16		8000	20px	20px	20px	20px	20px	16
AAL2-G726-24	aal2-g726-24		8000	20px	20px	20px	20px	20px	24
AAL2-G726-32	aal2-g726-32		8000	20px	20px	20px	20px	20px	32
AAL2-G726-40	aal2-g726-40		8000	20px	20px	20px	20px	20px	40
G729	g729	annexb=no	8000	20px	20px	20px	20px	20px	8
G729	g729-annexb=no	annexb=no	8000	20px	20px	20px	20px	20px	8
G729	g729-annexb=yes	annexb=yes	8000	20px	20px	20px	20px	20px	8
G729	g729-no-fmtp		8000	20px	20px	20px	20px	20px	8
G729A	g729-annexb=no	annexb=no	8000	20px	20px	20px	20px	20px	8
G729A	g729-annexb=no		8000	20px	20px	20px	20px	20px	8
ilbc	ilbc-30	mode=30	8000	20px	20px	20px	20px	20px	8
ilbc	ilbc-20	mode=20	8000	20px	20px	20px	20px	20px	8
CN	cn		8000	20px	20px	20px	20px	20px	0
CN	cn-wb		16000	20px	20px	20px	20px	20px	0
telephone-event	telephone-event	0-15	8000	20px	20px	20px	20px	20px	0
telephone-event	telephone-event-0-16	0-16	8000	20px	20px	20px	20px	20px	0
telephone-event	telephone-event-no-fmtp		8000	20px	20px	20px	20px	20px	0

Default Codec List: g722,pcmu,pcma,gsm,g723,g726-32,aal2-g726-32,g729,telephone-event

Supported Codecs on D120

SDP Name	Setting Name	Fmtp	Rate	Ptime 10ms	Ptime 20ms	Ptime 30ms	Ptime 40ms	Ptime 60ms	Bandwidth	Default Codec
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G722	g722		16000	20px	20px	20px	20px	20px	64	20px	1
PCMU	pcmu		8000	20px	20px	20px	20px	20px	64	20px	1
PCMA	pcma		8000	20px	20px	20px	20px	20px	64	20px	1
GSM	gsm		8000	20px	20px	20px	20px	20px	13	20px	1
G723	g723		8000	20px	20px	20px	20px	20px	7	20px	1
G726-32	g726-32		8000	20px	20px	20px	20px	20px	32	20px	1
AAL2-G726-32	aal2-g726-32		8000	20px	20px	20px	20px	20px	32	20px	1
G729	g729	annexb=no	8000	20px	20px	20px	20px	20px	8	20px	1
G729	g729-annexb=no	annexb=no	8000	20px	20px	20px	20px	20px	8	20px	1
G729	g729-annexb=yes	annexb=yes	8000	20px	20px	20px	20px	20px	8	20px	1
G729	g729-no-fmtp		8000	20px	20px	20px	20px	20px	8	20px	1
G729A	g729-annexb=no	annexb=no	8000	20px	20px	20px	20px	20px	8	20px	1
G729A	g729-annexb=no		8000	20px	20px	20px	20px	20px	8	20px	1
CN	cn		8000	20px	20px	20px	20px	20px	0	20px	1
CN	cn-wb		16000	20px	20px	20px	20px	20px	0	20px	1
telephone-event	telephone-event	0-15	8000	20px	20px	20px	20px	20px	0	20px	1
telephone-event	telephone-event-0-16	0-16	8000	20px	20px	20px	20px	20px	0	20px	1
telephone-event	telephone-event-no-fmtp		8000	20px	20px	20px	20px	20px	0	20px	1

Default Codec List: g722,pcmu,pcma,gsm,g723,g726-32,aal2-g726-32,g729,telephone-event

Supported Codecs on D335, D717 and D735

SDP Name	Setting Name	Fmtp	Rate	Ptime 10ms	Ptime 20ms	Ptime 30ms	Ptime 40ms	Ptime 60ms	Bandwi
G722	g722		16000	20px	20px	20px	20px	20px	64
opus	opus-wb	maxplaybackrate=16000	48000	20px	20px	20px	20px	20px	64
opus	opus-nb	maxplaybackrate=8000	48000	20px	20px	20px	20px	20px	12
opus	opus		48000	20px	20px	20px	20px	20px	64
PCMU	pcmu		8000	20px	20px	20px	20px	20px	64
PCMA	pcma		8000	20px	20px	20px	20px	20px	64
GSM	gsm		8000	20px	20px	20px	20px	20px	13
G723	g723		8000	20px	20px	20px	20px	20px	7
G726-32	g726-32		8000	20px	20px	20px	20px	20px	32

AAL2- G726-32	aal2-g726- 32		8000	20px	20px	20px	20px	20px	32
G729	g729	annexb=no	8000	20px	20px	20px	20px	20px	8
G729	g729- annexb=no	annexb=no	8000	20px	20px	20px	20px	20px	8
G729	g729- annexb=yes	annexb=yes	8000	20px	20px	20px	20px	20px	8
G729	g729-no- fmt		8000	20px	20px	20px	20px	20px	8
G729A	g729- annexb=no	annexb=no	8000	20px	20px	20px	20px	20px	8
G729A	g729- annexb=no		8000	20px	20px	20px	20px	20px	8
ilbc	ilbc-30	mode=30	8000	20px	20px	20px	20px	20px	8
ilbc	ilbc-20	mode=20	8000	20px	20px	20px	20px	20px	8
CN	cn		8000	20px	20px	20px	20px	20px	0
CN	cn-wb		16000	20px	20px	20px	20px	20px	0
telephone- event	telephone- event	0-15	8000	20px	20px	20px	20px	20px	0
telephone- event	telephone- event-0-16	0-16	8000	20px	20px	20px	20px	20px	0
telephone- event	telephone- event-no- fmt		8000	20px	20px	20px	20px	20px	0