



Made for  
iPhone | iPad | iPod

Works with  
android

ReSound GN

# Technical Manual

RS BERLIN Platform, BTE

GN Making Life Sound Better

ReSound A/S  
Global Technical Operations  
<https://gto.gnresound.com>  
Lautrupbjerg 7  
DK-2750 Ballerup  
Denmark

## Table of Contents

Form-Factor-Matrix & Product Information .....	3-6
Colour overview .....	7
Part list .....	8
Part list - DAI boot, CROSS access .....	9
Part list - programmed service modules / ASM FRAME .....	10
Part list - separate HSG parts .....	11-19
Part list - replacement packs BERLIN 60, 70 & 80 .....	20
Part list - thin tubes & domes .....	21-22
Disassemble procedure .....	23-24
Reassemble procedure .....	25
Test equipment & HI test .....	26-33
Wireless test .....	34

Platform (C5.0)	Family	Model	Data Sheet Doc No
BERLIN 80 High Power (H) batt size 13 zinc air	KEY	KE488-DWH	401421000
		KE388-DWH	
		KE288-DWH (No MFi)	
		KE188-DWH (No MFi)	
BERLIN 70 batt size 13 zinc air	KEY	KE477-DW	401416000
		KE377-DW	
		KE277-DW (No MFi)	
		KE177-DW (No MFi)	
BERLIN 60 batt size 312 zinc air	KEY	KE467-DW	401415000
		KE367-DW	
		KE267-DW (No MFi)	

**Notes about 80 (high power) models:**

The hook/tone tube is a metal hook and always without filter. They cannot be configured to open version with thin tube/adapt.

**Notes about 70 (standard) & 60 (mini) models:**

The hook has always a filter inserted. Open configuration with thin tube/adapt is possible - please see part No's for SureFit tubes and domes in this doc

**Colours:**

MBL, DBR, BGE, BLK, STG (Models KE1 only available in MBL, BLK, STG)



See also Data Sheets for more technical information


Platform (C5.0)	Family	Model	Data Sheet Doc No
BERLIN 80 High Power (H) batt size 13 zinc air	ENZO QUATTRO	EQ988-DWHT	401237000
		EQ788-DWHT	
		EQ588-DWHT	
BERLIN 80 batt size 13 zinc air	LINX QUATTRO	RE988-DWT	401234000
		RE788-DWT	
		RE588-DWT	
BERLIN 70 batt size 13 zinc air	LINX QUATTRO	RE977-DWT	401235000
		RE777-DWT	
		RE577-DWT	
BERLIN 60 batt size 312 zinc air	LINX QUATTRO	RE967-DWT	401236000
		RE767-DWT	
		RE567-DWT	

**ENZO QUATTRO not available in colours: ANT2 GLS, MBL GLS, MON RED & OCN BLU**

**Notes about 80 (power) models:**

The hook/tone tube is always without filter. They cannot be configured to open version with thin tube/adapt. The Enzo Quattro models are only available as HP versions with metal hook

**Notes about 70 (standard) & 60 (mini) models:**

The hook has always a filter inserted. Open configuration with thin tube/adapt is possible - please see part No's for SureFit  tubes and domes in this doc

*See also Data Sheets for more technical information*


Platform (C4.5)	Family	Model	Data Sheet Doc No
BERLIN 80 High Power (H) batt size 13 zinc air	ENZO 3D 9 HP	ET988-DWH	400739000
	ENZO 3D 7 HP	ET788-DWH	
	ENZO 3D 5 HP	ET588-DWH	
BERLIN 80 batt size 13 zinc air	LiNX 3D 9	LT988-DW	400628000
	LiNX 3D 7	LT788-DW	
	LiNX 3D 5	LT588-DW	
	LiNX 3D 4 (NO-MFI)	LT488-DW	401151000
BERLIN 70 batt size 13 zinc air	LiNX 3D 9	LT977-DW	400627000
	LiNX 3D 7	LT777-DW	
	LiNX 3D 5	LT577-DW	
	LiNX 3D 4 (NO-MFI)	LT477-DW	401150000
BERLIN 60 batt size 312 zinc air	LiNX 3D 9	LT967-DW	400636000
	LiNX 3D 7	LT767-DW	
	LiNX 3D 5	LT567-DW	
	LiNX 3D 4 (NO-MFI)	LT467-DW	401154000

**ENZO 3D not available in colours:** ANT2 GLS, MBL GLS, MON RED & OCN BLU

**Notes about 80 (power) models:**

The hook/toner tube is always without filter. They cannot be configured to open version with thin tube/adapt. The Enzo 3D models are only available as HP versions with metal hook

**Notes about 70 (standard) & 60 (mini) models:**

The hook has always a filter inserted. Open configuration with thin tube/adapt is possible - please see part No's for SureFit  tubes and domes in this doc

See also Data Sheets for more technical information

Platform (C4.5)	Family	Model	Data Sheet Doc No
BERLIN 60 batt size 312 zinc air	LiNX <sup>2</sup> 9	LS967-DW	400350000
	LiNX <sup>2</sup> 7	LS767-DW	
	LiNX <sup>2</sup> 5	LS567-DW	
BERLIN 70 batt size 13 zinc air	LiNX <sup>2</sup> 9	LS977-DW	400352000
	LiNX <sup>2</sup> 7	LS777-DW	
	LiNX <sup>2</sup> 5	LS577-DW	
BERLIN 80 batt size 13 zinc air	LiNX <sup>2</sup> 9	LS988-DW	400353000
	LiNX <sup>2</sup> 7	LS788-DW	
	LiNX <sup>2</sup> 5	LS588-DW	
BERLIN 80 (high power) batt size 13 zinc air	ENZO <sup>2</sup> 9	EN988-DW	400570000
	ENZO <sup>2</sup> 7	EN788-DW	
	ENZO <sup>2</sup> 5	EN588-DW	

**ENZO<sup>2</sup> not available in colours: ANT2 GLS, MBL GLS, MON RED & OCN BLU**

**Notes about 80 (power) models:**

The hook/tone tube is always without filter. Metal hooks for high power configuration for the ENZO models. The 80 models cannot be configured to open version with thin tube/adapt.

**Notes about 70 (standard) & 60 (mini) models:**

The hook always has a filter inserted. Open configuration with thin tube/adapt is possible - please see part No's for SureFit (SF) tubes and domes in this doc

*See also Data Sheets for more technical information*

HI COLOUR	HOUSING PART - COLOUR				
	HSG BELLY BAND	HSG L	HSG R	HSG REAR BAND ASM	BAT DOOR
LIGHT BLONDE (LBL)	LBL	LBL	LBL	LBL	LBL
MEDIUM BLONDE (MBL)	MBL	MBL	MBL	MBL	MBL
DARK BROWN (DBR)	DBR	DBR	DBR	DBR	DBR
BEIGE (BGE)	BGE	BGE	BGE	BGE	BGE
MONZA RED (MON RED) *	BLK	MON RED	MON RED	BLK	BLK
BLACK (BLK)	BLK	BLK	BLK	BLK	BLK
ANTHRACITE (ANT)	ANT	ANT	ANT	ANT	ANT
SILVER (SIL)	BLK	SIL	SIL	BLK	BLK
PEARL WHITE (PRL WHT)	WHT	PRL WHT	PRL WHT	WHT	WHT
OCEAN BLUE (OCN BLU) *	BLK	OCN BLU	OCN BLU	BLK	BLK
STERLING GREY (STG)	GRY	GRY	GRY	GRY	GRY
BLACK GLOSS (BLK GLS)	BLK	BLK GLOSS	BLK GLOSS	BLK	BLK
ANTHRACITE GLOSS (ANT GLS) *	ANT	ANT GLS	ANT GLS	ANT	ANT
MEDIUM BLONDE GLOSS (MBL GLS) *	MBL	MBL GLS	MBL GLS	MBL	MBL

\* For BERLIN 70/80 & BERLIN 60 LT & RE models ANT GLS, MBL GLS, MON RED & OCN BLU:

HSG L/R are not available as individual spare parts in these 4 colours. Replacing a HSG part can only be done by ordering a replacement pack



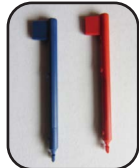
Description	Part No
PIN,0.60X5.65 (60, hook end)	16059300
PIN,0.60X5.80 (70, hook end)	16059600
PIN,0.60X6.05 (80, hook end)	16059700
PIN,0.60X4.50 (60, batt door)	17010500
PIN,0.60X5.45,W/3GROOVES (70/80, batt door)	19069900
PIN,0.60X6.60 (60, back HSG/batt door end)	15344300
PIN,0.60X7.50 (70, TGL)	18926700
PIN,0.60X8.80 (80, TGL)	15344000
HOOK,ADULT,B70,W/FLTR (60 & 70)	18926600
HOOK,CHILD,B70,W/FLTR (60 & 70)	18927400
HOOK,BABY,B70,W/FLTR (60 & 70)	18927500
TONE TUBE, ADULT (80)	17508500
TONE TUBE, CHILD (80)	17006000
TONE TUBE, BABY (80)	17006200

Description	Part No
TONE TUBE,ASM,LO 85,ADULT (metal hook)*	18068700
TONE TUBE,ASM,LO 85,BABY (metal hook)*	18068800
COLOUR MARKER,BERLIN,RED	18924900
COLOUR MARKER,BERLIN,BLUE	18924901
KIT,HOOKS,COLOUR MARKERS,B60	19445500
KIT,HOOKS,COLOUR MARKERS,B70	19420600
KIT,HOOKS,COLOUR MARKERS,B80	18972700
KIT,COLOR MARKERS,BRIE&B80 (B80 HP models)	19086300
THIN TUBE ADPTR,B70,W/FLTR (60 & 70)	18927600
TOGGLE CAP, SLG, RIE (soft silicone cap for 80) **	17007900
MANDREL	0490-059
AUTOPHONE MAGNETS (3 pcs)	17294600
BRUSH, BLK	17435000
PIN REMOVAL TOOL, PACKED	15502500

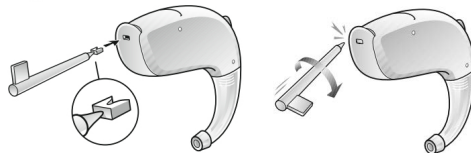
\* Metal hook must be mounted on HP models

\*\*Cap is not to be mounted if the ASM FRAME has a frame with rev D (or newer) - see prog service module page for more info

18924900 RED  
18924901 BLUE



Colour markers



Mount the colour markers to the HI



Brush, black - 17435000



Pin removal tool  
15502500



Mandrel  
p/n 0490-059  
(for BAT lock)

**Not subject to issue control when printed**



Description	Part No
DAI ADAPTOR 2	19901700
CROS,SUREFIT,EUROPLUG,SMALL*	20040500
CROS,SUREFIT,EUROPLUG,MEDIUM *	20040600
CROS,SUREFIT,EUROPLUG,LARGE *	20040700
CROS,SUREFIT,AUDIO SHOE,SMALL *	20040900
CROS,SUREFIT,AUDIO SHOE,MEDIM *	20041000
CROS,SUREFIT,AUDIO SHOE,LARGE *	20041100

\* Lengths: S = 25 cm, M = 28 cm, L = 31 cm (excl CROS hook)

***The parts are for Berlin 70/80 only - Berlin 60 models do not have audio input possibility***

DAI adapt 2  
(for 3 pin euro plug)  
19901700



CROS,SF EURO PLUG  
(to be plugged in to a suitable DAI shoe)



CROS,SF AUD SHOE  
(shoe is fixed to the cable)

Please also see: Doc 400604000 UG,CROS/BICROS,SUREFIT (User Guide) & 400650000 DS,CROS/BICROS,SUREFIT,GB (Data Sheet)

Prog Service module/ ASM FRAME	Part No
LT988-DW	20183400
LT788-DW	20183600
LT588-DW	20183800
LT977-DW	20183100
LT777-DW	20183200
LT577-DW	20183300
LT967-DW	20186300
LT767-DW	20186400
LT567-DW	20186500

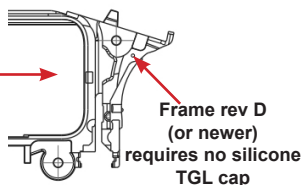
Prog Service module/ ASM FRAME	Part No
EN988-DW	19965500
EN788-DW	19965600
EN588-DW	19965700
LS977-DW	19422400
LS777-DW	19422500
LS577-DW	19422600
LS988-DW	19422700
LS788-DW	19422800
LS588-DW	19422900

Prog Service module/ ASM FRAME	Part No
LS967-DW	20335800
LS767-DW	20335900
LS567-DW	20336000
ET988-DWH	20561900
ET788-DWH	20562000
ET588-DWH	20562100

Prog Service modules/ASM FRAME are non serviceable at local site. Instead defective ones must be returned to Global Repair Site

**Note:**

A new prog service module/ASM FRAME is delivered with s/n label with a new unique s/n (mounted next to batt spring). Replacing the module therefore means change of s/n



If the frame on the 80 models has rev D (or newer), the soft TGL cap must not be mounted to the serv module when assembling the HI. The frame is improved and mounted to HI's and serv modules from approx Feb 2016. The TGL cap must still be used for devices with a frame with older rev than "D"

***Not subject to issue control when printed***

COLOUR	HSG BELLY BAND	HSG L	HSG R	HSG REAR BAND ASM	BAT DOOR
					
MBL	20186602	20186702	20186802	20186902	21328902
DBR	20186604	20186704	20186804	20186904	21328904
BGE	20186605	20186723	20186823	20186905	21328905
BLK	20186608	20186708	20186808	20186908	21328908
GRY	20186620	20186720	20186820	20186920	21328920

HSG rear band,bat click,  
PB,TGL,mic filters

**Note: All parts are nano coated**

Please see “Colour Overview” for information about colours for each housing part

***Not subject to issue control when printed***

COLOUR	HSG BELLY BAND	HSG L	HSG R	HSG REAR BAND ASM	BAT DOOR
					
LBL	20186601	20186701	20186801	20186901	21328901
MBL	20186602	20186702	20186802	20186902	21328902
DBR	20186604	20186704	20186804	20186904	21328904
BGE	20186605	20186723	20186823	20186905	21328905
BLK	20186608	20186708	20186808	20186908	21328908
ANT	20186609	20186709	20186809	20186909	21328909
SIL	N/A	20186710	20186810	N/A	N/A
WHT	20186611	N/A	N/A	20186911	21328911
PRL WHT	N/A	20186714	20186814	N/A	N/A
GRY	20186620	20186720	20186820	20186920	21328920
BLK GLS	N/A	20186725	20186825	N/A	N/A

HSG rear band,bat click,  
PB,TGL,mic filters

**Note: All parts are nano coated**

Please see “Colour Overview” for information about colours for each housing part

COLOUR	HSG BELLY BAND	HSG L		HSG R		HSG REAR BAND ASM	BAT DOOR	
								
		LT	LS	LT	LS		LT	LS
LBL	20186601	20186701	20335501	20186801	20335601	20186901	20187001	20335701
MBL	20186602	20186702	20335502	20186802	20335602	20186902	20187002	20335702
DBR	20186604	20186704	20335504	20186804	20335604	20186904	20187004	20335704
BGE	20186605	20186705	20335505	20186805	20335605	20186905	20187005	20335705
MON RED	N/A	N/A	20335506	N/A	20335606	N/A	N/A	N/A
BLK	20186608	20186708	20335508	20186808	20335608	20186908	20187008	20335708
ANT	20186609	20186709	20335509	20186809	20335609	20186909	20187009	20335709
SIL	N/A	20186710	20335510	20186810	20335610	N/A	N/A	N/A
WHT	20186611	N/A	N/A	N/A	N/A	20186911	20187011	20335711
PRL WHT	N/A	20186714	20335514	20186814	20335614	N/A	N/A	N/A
OCN BLU	N/A	N/A	20335518	N/A	20335618	N/A	N/A	N/A
GRY	20186620	20186720	20335520	20186820	20335620	20186920	20187020	20335720
BLK GLS	N/A	20186725	20335525	20186825	20335625	N/A	N/A	N/A
ANT GLS	N/A	N/A	20335529	N/A	20335629	N/A	N/A	N/A
MBL GLS	N/A	N/A	20335532	N/A	20335632	N/A	N/A	N/A

Note: All parts are nano coated

HSG rear band,bat click,  
PB,TGL,mic filters

Please see "Colour Overview" for information about colours for each housing part

**Not subject to issue control when printed**







COLOUR	HSG BELLY BAND	HSG L	HSG R	HSG REAR BAND ASM	TGL LID instead of TGL	BAT DOOR ASM
						
MBL	19277702	20226402	20226802	19278202	19444102	21329002
DBR	19277704	20226404	20226804	19278204	19444104	21329004
BGE	19277705	20226423	20226823	19278205	19444105	21329005
BLK	19277708	20226408	20226808	19278208	19444108	21329008
GRY	19277720	20226420	20226820	19278220	19444120	21329020

HSG rear band, bat click,  
PB, TGL, mic filters

BAT DR, bat lock  
& retention bat

**Note: All parts are nano coated**

Please see "Colour Overview" for information about colours for each housing part - Models KE1 only available in MBL, BLK, STG

COLOUR	HSG BELLY BAND	HSG L	HSG R	HSG REAR BAND ASM	TGL LID instead of TGL	BAT DOOR ASM
						
LBL	19277701	20226401	20226801	19278201	19444101	21329001
MBL	19277702	20226402	20226802	19278202	19444102	21329002
DBR	19277704	20226404	20226804	19278204	19444104	21329004
BGE	19277705	20226423	20226823	19278205	19444105	21329005
BLK	19277708	20226408	20226808	19278208	19444108	21329008
ANT	19277709	20226409	20226809	19278209	19444109	21329009
SIL	N/A	20226410	20226810	N/A	N/A	N/A
WHT	19277711	N/A	N/A	19278211	19444111	21329011
PRL WHT	N/A	20226414	20226814	N/A	N/A	N/A
GRY	19277720	20226420	20226820	19278220	19444120	21329020
BLK GLS	N/A	20226425	20226825	N/A	N/A	N/A

HSG rear band, bat click,  
PB, TGL, mic filters

BAT DR, bat lock  
& retention bat

**Note: All parts are nano coated**

Please see "Colour Overview" for information about colours for each housing part

COLOUR	HSG BELLY BAND	HSG L		HSG R		HSG REAR BAND ASM	TGL LID instead of TGL	BAT DOOR ASM	
									
		LS	LT	LS	LT			LS	LT
LBL	19277701	19277901	20226401	19278101	20226801	19278201	19444101	19278301	20065101
MBL	19277702	19277902	20226402	19278102	20226802	19278202	19444102	19278302	20065102
DBR	19277704	19277904	20226404	19278104	20226804	19278204	19444104	19278304	20065104
BGE	19277705	19277905	20226405	19278105	20226805	19278205	19444105	19278305	20065105
BLK	19277708	19277908	20226408	19278108	20226808	19278208	19444108	19278308	20065108
ANT	19277709	19277909	20226409	19278109	20226809	19278209	19444109	19278309	20065109
SIL	N/A	19277910	20226410	19278110	20226810	N/A	N/A	N/A	N/A
WHT	19277711	N/A	N/A	N/A	N/A	19278211	19444111	19278311	20065111
PRL WHT	N/A	19277914	20226414	19278114	20226814	N/A	N/A	N/A	N/A
GRY	19277720	19277920	20226420	19278120	20226820	19278220	19444120	19278320	20065120
BLK GLS	N/A	19277925	20226425	19278125	20226825	N/A	N/A	N/A	N/A

HSG rear band, bat click,  
PB, TGL, mic filters

BAT DR, bat lock &  
retention bat

**Note: All parts are nano coated**

Please see "Colour Overview" for information about colours for each housing part



COLOUR	HSG BELLY BAND	HSG L	HSG R	HSG REAR BAND ASM	TGL LID instead of TGL	BAT DOOR ASM
						
MBL	19277802	20226902	20227002	21344502	19444202	21329102
DBR	19277804	20226904	20227004	21344504	19444204	21329104
BGE	19277805	20226923	20227023	21344505	19444205	21329105
BLK	19277808	20226908	20227008	21344508	19444208	21329108
GRY	19277820	20226920	20227020	21344520	19444220	21329120

HSG rear band,  
bat click,PB,TGL

BAT DR, bat lock  
& retention bat

**Note: All parts are nano coated**

Please see “Colour Overview” for information about colours for each housing part

COLOUR	HSG BELLY BAND	HSG L	HSG R	HSG REAR BAND ASM	TGL LID instead of TGL	BAT DOOR ASM
						
LBL	19277801	20226901	20227001	21344501	19444201	21329101
MBL	19277802	20226902	20227002	21344502	19444202	21329102
DBR	19277804	20226904	20227004	21344504	19444204	21329104
BGE	19277805	20226923	20227023	21344505	19444205	21329105
BLK	19277808	20226908	20227008	21344508	19444208	21329108
ANT	19277809	20226909	20227009	21344509	19444209	21329109
SIL	N/A	20226910	20227010	N/A	N/A	N/A
WHT	19277811	N/A	N/A	21344511	19444211	21329111
PRL WHT	N/A	20226914	20227014	N/A	N/A	N/A
GRY	19277820	20226920	20227020	21344520	19444220	21329120
BLK GLS	N/A	20226925	20227025	N/A	N/A	N/A

HSG rear band,  
bat click,PB,TGL

BAT DR, bat lock  
& retention bat

Note: All parts are nano coated

Please see "Colour Overview" for information about colours for each housing part

COLOUR	HSG BELLY BAND	HSG L		HSG R		HSG REAR BAND ASM	TGL LID instead of TGL	BAT DOOR ASM	
									
		LS/EN	LT/ET	LS/EN	LT/ET			LS/EN	LT/ET
LBL	19277801	19278501	20226901	19278601	20227001	19278401	19444201	19278701	20065201
MBL	19277802	19278502	20226902	19278602	20227002	19278402	19444202	19278702	20065202
DBR	19277804	19278504	20226904	19278604	20227004	19278404	19444204	19278704	20065204
BGE	19277805	19278505	20226905	19278605	20227005	19278405	19444205	19278705	20065205
BLK	19277808	19278508	20226908	19278608	20227008	19278408	19444208	19278708	20065208
ANT	19277809	19278509	20226909	19278609	20227009	19278409	19444209	19278709	20065209
SIL	N/A	19278510	20226910	19278610	20227010	N/A	N/A	N/A	N/A
WHT	19277811	N/A	N/A	N/A	N/A	19278411	19444211	19278711	20065211
PRL WHT	N/A	19278514	20226914	19278614	20227014	N/A	N/A	N/A	N/A
GRY	19277820	19278520	20226920	19278620	20227020	19278420	19444220	19278720	20065220
BLK GLS	N/A	19278525	20226925	19278625	20227025	N/A	N/A	N/A	N/A

HSG rear band,  
bat click,PB,TGL

BAT DR, bat lock &  
retention bat

**Note: All parts are nano coated**

Please see "Colour Overview" for information about colours for each housing part

	BERLIN 60			BERLIN 70				BERLIN 80			
HI COLOUR	LT	RE	KE	LS	LT	RE	KE	LS / EN	LT / ET	RE/EQ	KE
LBL	20160101	21348401	-	19447401	20170901	21360001	-	19447501	20170701	21360201	-
MBL	20160102	21348402	21348402	19447402	20170902	21360002	21360002	19447502	20170702	21360202	21360202
DBR	20160104	21348404	21348404	19447404	20170904	21360004	21360004	19447504	20170704	21360204	21360204
BGE	20160105	21348405	21348405	19447405	20170905	21360005	21360005	19447505	20170705	21360205	21360205
MON RED	20160106	21348406	-	19447406	20170906	21360006	-	19447506	20170706	21360206	-
BLK	20160108	21348408	21348408	19447408	20170908	21360008	21360008	19447508	20170708	21360208	21360208
ANT	20160109	21348409	-	19447409	20170909	21360009	-	19447509	20170709	21360209	-
SIL	20160110	21348410	-	19447410	20170910	21360010	-	19447510	20170710	21360210	-
PRL WHT	20160114	21348414	-	19447414	20170914	21360014	-	19447514	20170714	21360214	-
OCN BLU	20160118	21348418	-	19447418	20170918	21360018	-	19447518	20170718	21360218	-
STG	20160120	21348420	21348420	19447420	20170920	21360020	21360020	19447520	20170720	21360220	21360220
BLK GLS	20160125	21348425	-	19447425	20170925	21360025	-	19447525	20170725	21360225	-
ANT GLS	20160129	21348429	-	19447429	20170929	21360029	-	19447529	20170729	21360229	-
MBL GLS	20160132	21348432	-	19447432	20170932	21360032	-	19447532	20170732	21360232	-






REPL PK  
with all HSG parts & pins incl

*The Berlin 80 models EN88, ET88 & EQ88 are not available in colours ANT GLS, MBL GLS, MON RED & OCN BLU. Only the models LS88, LT88 & RE88 are available in all 14 colours*

*REPLACEMENT PACKS are not available for Berlin 60 LiNX<sup>2</sup>. Separate HSG parts should be ordered instead. See page "Part List - HSG Parts - BERLIN 60" for info about p/n's*

THIN TUBE BLISTER PACKS (3 x cleaning tubes / 5 x thin tubes)	RIGHT	LEFT
THIN TUBE,SF,0A	19402600	19403500
THIN TUBE,SF,0B	19402700	19403600
THIN TUBE,SF,1A	19402800	19403700
THIN TUBE,SF,1B	19402900	19403800
THIN TUBE,SF,-1B	19403000	19403900
THIN TUBE,SF,2A	19403100	19404000
THIN TUBE,SF,2B	19403200	19404100
THIN TUBE,SF,3A	19403300	19404200
THIN TUBE,SF,3B	19403400	19404300

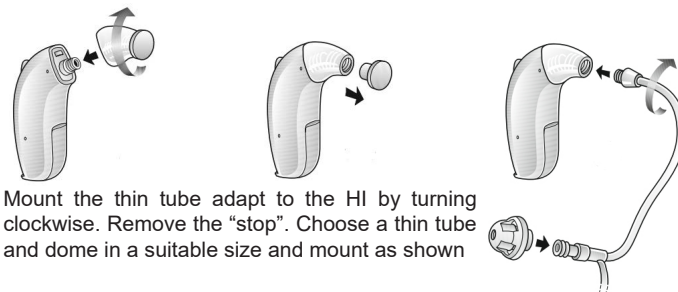
THIN TUBE DOMES (dark grey)		
Description	Bag (10 pcs)	
DOME,SF,OPEN,SM	19398200	
DOME,SF,OPEN,MDM	19398300	
DOME,SF,OPEN,LGE	19398400	
DOME,SF,TULIP,STD	19398500	
DOME,SF,PWR,SM	19398600	
DOME,SF,PWR,MDM	19398700	
DOME,SF,PWR,LGE	19398800	

*The 2 ribs thin tubes will be phased out and the new 1 rib thin tubes will replace them - see next page*

Description	Part No
FITTING KIT,THIN TUBE,SUREFIT*	19442600
FITTING KIT,THIN TUBE,SF(EMPTY)**	19442300
CLEANER, TUBE, HE4	15168700
MEASUREMENT TOOL,MINI BTE (for L&R)	15200800

\* box containing cleaning tubes, measurement tool, all sizes thin tubes & domes

\*\* empty box with inlay - to be filled up according to needs







Thin tube with 2 ribs

**Not subject to issue control when printed**

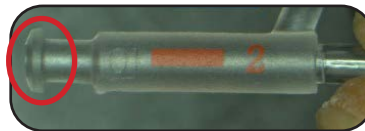
THIN TUBE BLISTER PKS,5 pcs (3 cleaning tubes/5 thin tubes)	RIGHT	LEFT
THIN TUBE,SF2C,-1	22942800	22942300
THIN TUBE,SF2C,0	22942900	22942400
THIN TUBE,SF2C,1	22943000	22942500
THIN TUBE,SF2C,2	22943100	22942600
THIN TUBE,SF2C,3	22943200	22942700

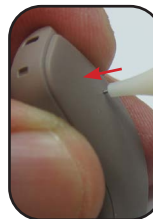
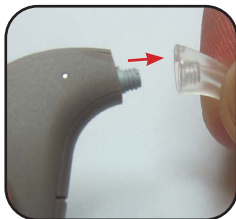
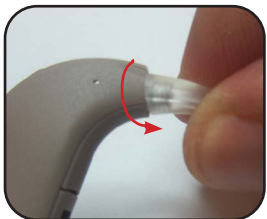
Description	Part No
FITTING KIT,THIN TUBE,SF2C*	22955700
CLEANER, TUBE, HE4	15168700
MEASUREMENT TOOL,MINI BTE (for L&R)	15200800

\* box containing cleaning tubes, measurement tool, all sizes thin tubes & domes

SUREFIT (SF3) - STD, OPEN & CLOSED DOMES (light grey)		
Description		Bag (10 pcs)
DOME,REC,STD		21432300
DOME,OPEN,REC,SM		21432400
DOME,OPEN, REC,MDM		21432500
DOME,OPEN, REC,LGE		21432600
DOME,CLOSED,REC,SM		21432000
DOME,CLOSED,REC,MDM		21432100
DOME,CLOSED,REC,LGE		21432200
SUREFIT (SF3) - POWER DOMES (light grey)		
Description		Bag (10 pcs)
DOME,PWR REC,SM		21432700
DOME,PWR REC,MDM		21432800
DOME,PWR REC,LGE		21432900

New thin tube with 1 rib

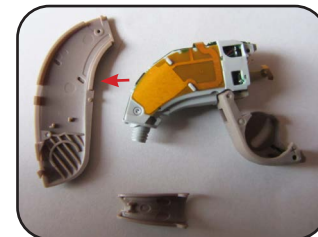
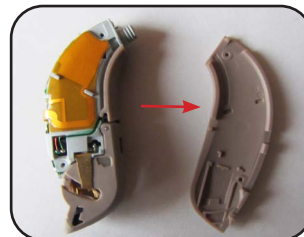




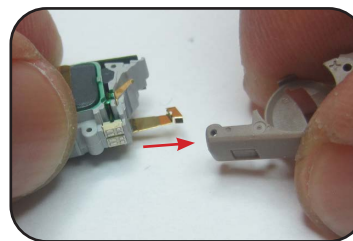
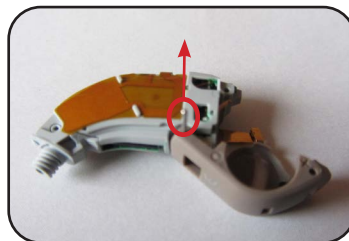
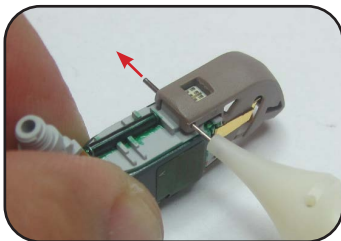
Remove the hook by turning counterclockwise. Find the two pins to separate the HSG parts. Push out the pins with a pin removal tool and pull them out by using a tweezers



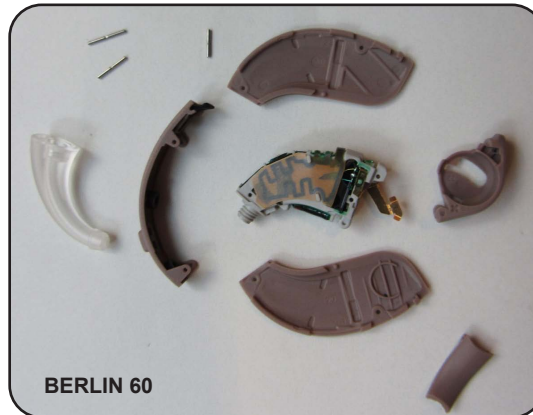
BAT CLICK



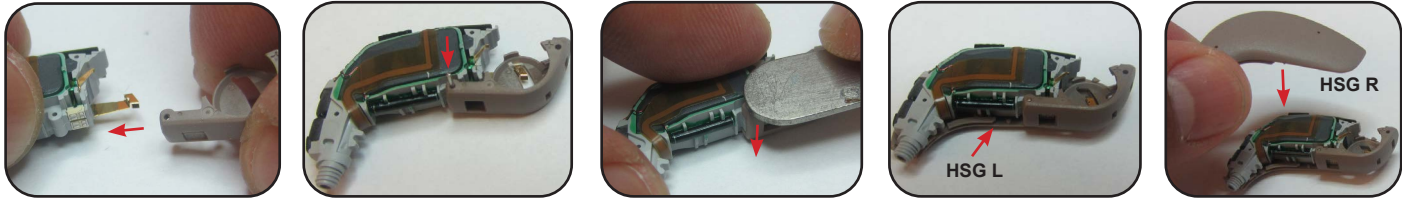
Lift up the HSG rear band a tiny bit in the hook end. To avoid damaging the bat click, the HSG rear band must be slid gently towards the hook end until the batt click is completely separated from the other HSG parts. Lift off the HSG rear band. Remove the HSG (R) and HSG (L). The HSG belly band will then fall off by itself



Locate the pin fixing the bat door to the module. Push it with a pin removal tool. Pull it out with a tweezers. Remove the bat door



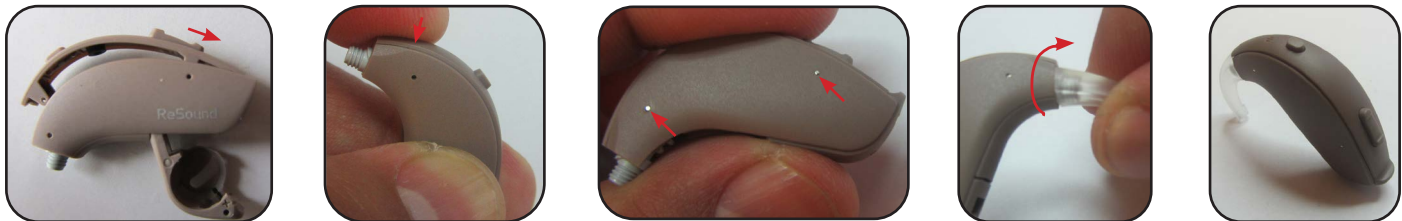




Attach the bat door to the module and push in the pin. Make sure that the pin is aligned by using the other end of the tweezer to push the pin all the way in. Mount the HSG L and R



To avoid that the the taps/hinge get damaged, the HSG belly band should be mounted by sliding it. Make sure it is correct in place by using a finger to push onto the HSG belly band. Turn around the HI to mount the HSG rear band

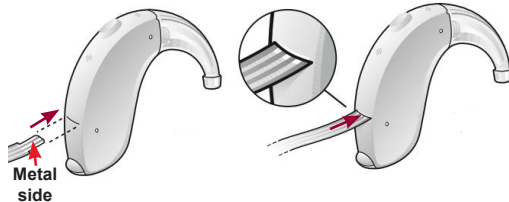


For the 80 models with a frame with a revision earlier than "D" (please see part list pages for more info): Make sure the TGL cap (soft silicone) is in place before mounting the HSG rear band. Mount the HSG rear band by sliding it as shown. Press with a finger to push it correct in place. Add the pins and add the hook by turning clockwise

Description	Part No
PROG. CABLE EXTENSION, MILANO	17517800
PROGRAMMING CABLE,RED	15206700
PROGRAMMING CABLE,BLUE	15206701
STRIP,FLEX,CS63,PRG (1 piece)	19181700
ADAPTER,FLEX,3 PIN,CS53 (short vers)	19533900
FLEX ADAPTOR CS53 GNR (long vers)	17041100

See more pics & p/ns of test equipment parts on the next pages

The Berlin 60 is tested/prog by using CS63 prog cable and a flex strip: Insert the flex strip into the slot on the HI. Make sure the metal side is facing up towards the hook as shown on the pics (B60 has no square prog port like B70/80)



PROG CABLE CS63  
15206700 / 01



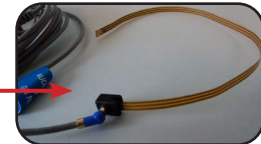
CS63 strip 19181700  
used with prog cable CS63



Flex adapt CS53  
(short)  
19533900



Flex adapt CS53 (long)  
17041100



**FLEX ADAPTOR CS53:**

To be used together with a CS44 prog cable. Both the long and short vers can be used. An alternative solution to CS63 prog cable & flexstrip

Description	Part No
PROG. CABLE EXTENSION, MILANO	17517800
PROG CABLE R (CS44)	9022 907 69019
PROG CABLE L (CS44)	9022 907 69029
PROGRAMMING ADAPT generic - incl clips red/blue (to be used for DSA6000 HI test)	18041400
CLIP,PROGRAMMING ADAPTOR,RED	17736900
CLIP,PROGRAMMING ADAPTOR,BLUE	17736901
PROG ADAPTOR 2 (not to be used for DSA6000 HI test - only for fitting purpose)	19902500
PROG ADAPTOR CABLE,L,500*	18331000
PROG ADAPTOR CABLE,R,500*	18331100
PROG ADAPTOR CABLE,L,2500*	18331200
PROG ADAPTOR CABLE,R,2500*	18331300

\* Prog adaptors with fixed cable (for fitting purpose only)

See more pics & p/ns of test equipment parts on the next pages



Prog adapt w/FXD cable can be used during fitting using AVENTA fitting SW



PRG ADAPTOR 2 (CS44)  
p/n 19902500  
can be used during fitting using fitting SW  
(not to be used for DSA6000 test)

***Not subject to issue control when printed***

Description	Part No
TEST JIG,B70 C5.0,DSA7000	22076700
TEST FRAME (black frame to fix the jig w/Hi during test)	16902800
BATTERY PILL, 312 (B60)	17449300
BATTERY PILL, 13 (B70/80)	17449400
TEST MIC,ASM,46AO-S3,DSA7K	22254800
2CC COUPLER SET,RA0038,DSA7K	22254900
THREAD CAP,GR0316,DSA7K	22296200
NOAHLINK WL CPD-1 (for wl test)	20310800

See more pics & p/ns of test equipment parts on the next pages



TEST MIC,ASM  
46AO-S3,DSA7K  
p/n 22254800



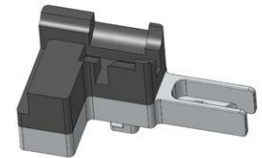
TEST MIC,ASM  
46AO-S3,DSA7K  
connected with a mic cable  
(mic cable CAB-MP35-174-17CM  
is delivered together with the  
DSA7000 analyzer)

NOAHLINK WL CPD-1  
p/n 20310800



2CC COUPL SET  
RA0038,DSA7K  
p/n 22254900

THREAD CAP  
GR0316,DSA7K  
p/n 22296200



TEST JIG,B70  
C5.0,DSA7000  
p/n 22076700

Description	Part No
SERVICE JIG/FIXTURE (white jig to fix the HI during test)	16695100
TEST FRAME (black frame to fix the jig w/HI during test)	16902800
BATTERY PILL,13 (B70/80)	17449400
BATTERY PILL,312 (B60)	17449300
COUPL MIC,TSYS,TM-12,MEASURED	18220700
NOAHLINK WL CPD-1 (for wl test)	20310800

See more pics & p/ns of test equipment parts on the next pages



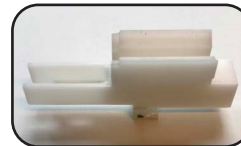
BATT PILL  
p/n 17449300 (312)  
p/n 17449400 (13)



NOAHLINK WL CPD-1  
p/n 20310800  
(WL test)



COUPL MIC,TM12  
MEASURED  
p/n 18220700



SERVICE JIG/FIXT  
p/n 16695100



TEST FRAME  
p/n 16902800

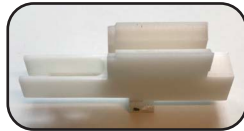


Prog adapt  
18041400  
(B70/80)

To be used with  
prog adapt 18041400



Prog adapt clip  
17736900 Red  
17736901 Blue



Test jig  
p/n 16695100

2cc coupler insert BTE  
p/n 40B4609601



2cc coupler  
p/n 30-4838800  
Both coupler parts can  
be ordered with GTO  
Dept/HQ Ballerup DK



Batt pill  
17449300 size 312  
17449400 size 13



NOAHLINK WL CPD-1  
p/n 20310800  
(WL test)



18220700  
COUPL MIC, TM12  
MEASURED



CS44 Prog cable  
(Left blue is shown)  
9022 907 69019 (R)  
9022 907 69029 (L)



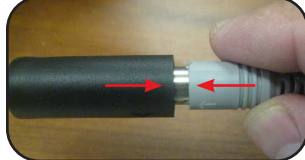
**Berlin 60:** Conn flex strip to CS63 prog cable  
by using the flex end marked with an arrow  
Prog cable CS63 15206700/01 Red/Blue  
Flex strip 10 pcs 50931703  
or 19181700 (1 pc)

or use the alternative way described on  
page "Part List - Prog parts B60"



Extension prog cable

Connect the extension cable to the  
prog cable and the DSA as shown



**Note about PROG. CABLE EXTENSION p/n 17517800:**

The ext cable is needed for making correct current measurement during DSA6000 HI test on some platform models. Testing these devices without the extension cable will show an incorrect current measurement. However, if the ext cable is used during a DSA6000 HI test of a model where the ext cable is not needed, it will not affect the test. Therefore, to avoid failures and misunderstandings it is safer just to leave the ext cable on the DSA at all times and use it during test of all devices, no matter if it is required or not

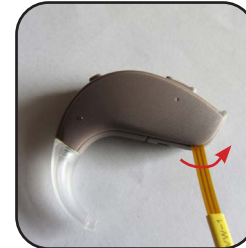


Test frame  
p/n 16902800

Press the button to release HI after test



Prog adapt (generic)  
p/n 18041400  
**(for Berlin 70/80)**

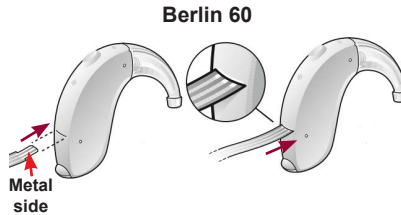


Open batt door and add a batt pill. Gently close the batt door

**Berlin 70/80**  
square prog port



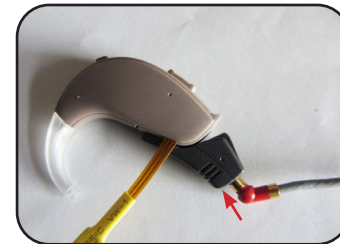
**Berlin 70/80**



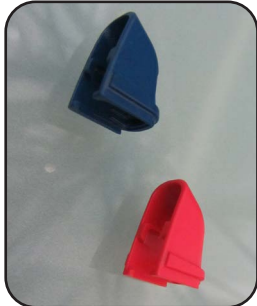
**Berlin 60**

Metal side

**For Berlin 70/80:** Insert the one end of the prog adapt 18041400 into the square prog port of the device. Push the bot part of prog adapt until it clicks in order to lock it on the device. **For the Berlin 60:** Insert the flex strip into the slot on the HI. Make sure the metal side is facing up towards the hook as shown on the pics (B60 has no square prog port like B70/80)



**Berlin 70/80:** Connect the CS44 prog cable to the prog adapt and add a clip to hold the prog cable in place (see next page). **Berlin 60:** Use the CS63 prog cable & flex strip

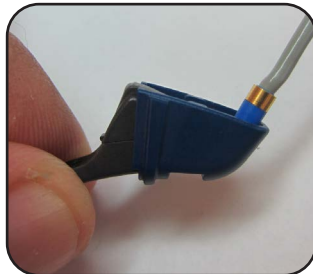


Clip for prog adaptor L/R

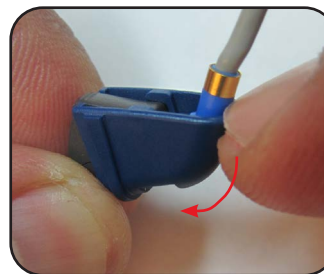
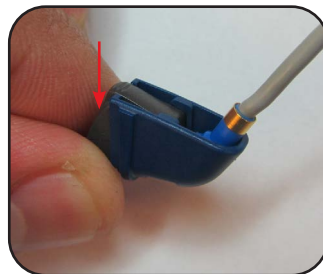
Prog adaptor clip  
To be used with prog  
adapt 18041400 only



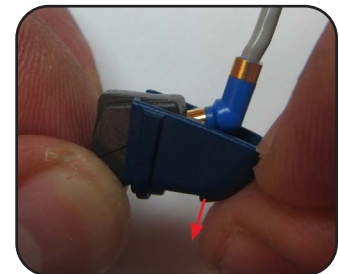
It is important to have the prog cable connected before adding the clip to the prog adaptor. Add the clip as shown. The clip is recommended to be used during test / fitting in order to keep the prog cable connected during the complete procedure



To remove the clip firmly grip this side of prog adapt



Pull tip of the clip

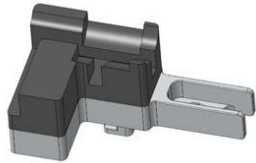


Slide the clip from adaptor



Use of test jig is mandatory during DSA HI test. The HI jig is to be placed in the black test frame. Place the HI in the fixture and place it all in the test chamber. Select the correct test SW and make sure to follow instructions coming up on the screen. During the test programme execution the IAD calibration will be performed at the appropriate time. Another benefit from the fixture is that the HI is in a well defined position so the telecoil test can be performed without any interaction from the operator

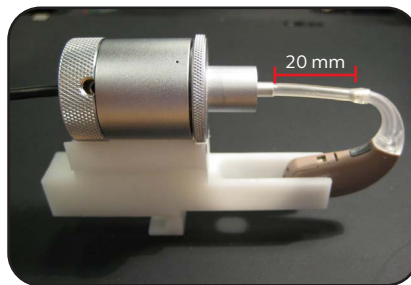
TEST JIG,B70 C5.0,DSA7000



Test jig, DSA7000  
attached to the BLK test frame and placed  
in the ATC400/TBS25 sound chamber



Test jig, DSA6000  
placed into the BLK test frame



The test tubing is normal 20 mm effective  
length as for all BTE testing



Place the HI in test chamber as shown

The wireless range test is a combined DSA6000/ DSA7000 Noahlink/SAS Range Check test using the SAS-3 with its MAC address entered into the DSA system configuration and a Noahlink mounted directly in any of the DSA units USB ports. No fixture is required performing a wireless range test

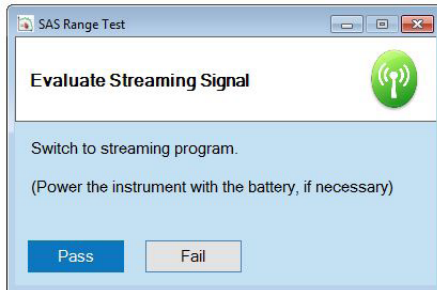
NOAHLINK



**How to get the MAC address of the SAS:**

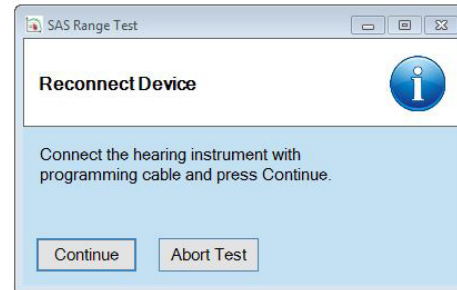
It is not directly available in the STD version. SAS streamers with MAC address labeled on the HSG can be requested from GTO. Please note that they are not available through regular ordering channels. Please contact HQ / GTO

1



At the end of the test sequence, after all acoustical test are done, the operator will be instructed to remove the HI from the test chamber, insert a battery (if necessary) and evaluate the quality of the streaming signal. If the signal is accepted click Pass. If the operator wish to mark this HI as defective click Fail

2



Regardless if the operator select Pass or Fail the device must be reconnected to the DSA system after evaluation is done