Flex Max901e Model Options

Listed below are the model options for the Flex Max901e amplifier. For ordering information, please use our real-time Product Configurator Wizard located on the ARRIS website.

Flex Max901e Trunk Amplifiers

			A	None
			C	6-port Flex Max, 1 GHz, Internal testpoints
E	Flex Max901e series	a	F	6-port Flex Max, 1 GHz, External testpoints
	a) 15A current passing capability.		К	6-port Flex Max, 1 GHz, four 90° access ports, Internal testpoints
			L	6-port Flex Max, 1GHz, four 90° access ports, External testpoints
D	Equal trunk and bridger tilt (suitable for FNT7, FNTB & F Extensions & Drop-in Replacements)	NT9	R	6-port Flex Max, 1GHz, bypass Hsg, Internal testpoints
G	Optimized tilt for 1 GHz operation (Unequal Trunk & Bri	dger	Р	6-port Flex Max, 1GHz, bypass Hsg, External testpoints
	O/P tilt)			
			1	Standard (or N/A)
5	32 dB			a) Select N/A when ordering RF module only.
8	33dB			
°	330B			EMC associate
			N	EMS capable a) Transponder sold separately:
J	42/54MHz			AM protocol (P/N 810-0354-01A) HMS protocol (P/N 810-0354-01H)
N	65/85 MHz			b) Must order mounting bracket kit (P/N 1501024)
Q	55/70MHz		L	
R	85/105MHz		-	
			Fle	x Max901e Bridger Amplifiers
К0	427.25 MHz ALC (NTSC)			
KB	439.25MHz ALC (NTSC & PAL)		E	Flex Max901e series
KC	451.25MHz ALC (NTSC)			a) 15A current passing capability.
KL	423.25 MHz ALC (PAL)			
KN	471.25 MHz ALC (PAL)			
L0	499.25 MHz ALC (NTSC)		G	1002 MHz
L4	495.25 MHz ALC (PAL)			
MB	645.00 MHz QAM ALC (NTSC)			
RM	711.00 MHz QAM ALC (NTSC)		Р	43 dB
SD	609.00 MHz (QAM ALC NTSC & PAL)			a) 23dB factory equalization.
6	18 dB active gain		J	42/54MHz
7	18dB active gain with return switches		N	65/85MHz
8	18dB active gain with Rev Attn plug in access.	a	Q	55/70MHz
	a) Includes Factory Installed Jumpers. (Customer required Pads ordered separately)	Attn.	R	85/105 MHz
			L	
F	Trunk with two bridger outputs—user-configurable to 4 outputs with -25dB External testpoints	а	К0	427.25MHz ALC (NTSC)
н	Trunk with two bridger outputs—user-configurable to	а	KB	439.25MHz ALC (NTSC & PAL)
	4 outputs with -20dB Internal testpoints		KC	451.25MHz ALC (NTSC)
Р	Trunk with two bridger outputs—user-configurable to	а	KL	423.25MHz ALC (PAL)
-	4 outputs with -20dB External testpoints		KN	471.25MHz ALC (PAL)
S	Trunk with two bridger outputs—user-configurable to 4 outputs with -25dB Internal testpoints	а	LO	499.25MHz ALC (NTSC)
	a) Plug-in splitters and directional couplers must be order	ed	L4	495.25MHz ALC (PAL)
	separately.		MB	645.00 MHz QAM ALC (NTSC)

Amplifiers

2.3A, 90V, 50/60Hz, H.E. transformerless

2.3A, 90V, 50/60Hz, H.E. transformerless with Surge Terminator

None

1-4	Flex Max901e 1 GHz Trunk and Bridger Amplifiers
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1502154 Rev |

a, b

а

RM 711.00MHz QAM ALC (NTSC)

SD 609.00 MHz (QAM ALC NTSC & PAL)

6	18dB active gain	
7	18dB active gain with return switches	а
8	18dB active gain with Rev. Attn. plug-in access	b
	a) Operation of return switches requires a transponder.	

b)	Includes factory installed jumpers (Customer required Att.
	Pads ordered separately).

E	Two bridger outputs—user-configurable to 4 outputs with –25dB External testpoints	а
G	Two bridger outputs—user-configurable to 4 outputs with –20 dB Internal testpoints	а
Ν	Two bridger outputs—user-configurable to 4 outputs with –20dB External testpoints	а
R	Two bridger outputs—user-configurable to 4 outputs with –25dB Internal testpoints	а
	 a) Plug-in splitters and directional couplers must be order separately. 	red

	1	None	
Γ	6	2.3A, 90V, 50/60Hz, H.E. transformerless	а
	7	2.3A, 90V, 50/60Hz, H.E. transformerless surge protected	
		a) 40–90 V operating range; includes detachable power co	able.

A None C 6-Port Flex Max, 1 GHz, w/ Internal testpoints F 6-Port Flex Max, 1 GHz, w/ External testpoints K 6-Port Flex Max, 1 GHz, four 90° access ports, w/ Internal testpoints L 6-Port Flex Max, 1 GHz, four 90° access ports, w/ External testpoints P 6-Port Flex Max, 1 GHz, Bypass Hsg, w/ External testpoints R 6-Port Flex Max, 1 GHz, Bypass Hsg, w/ Internal testpoints

Standard (or N/A)	
a) Select N/A when ordering RF module only.	
EMS capable	i
a) Transponder sold separately: AM protocol (P/N 810-0354-01A)	
	a) Select N/A when ordering RF module only. EMS capable a) Transponder sold separately:

The Flex Max901e options are for reference only and should not be used for ordering. Contact your ARRIS sales professional for ordering information. You may also use our Product Wizard Configurator located on the ARRIS website.

1502154 Rev J

- 15. For ALC pilot frequencies of £ 499.25 MHz, the ALC pilot filter is a single channel device. This means that the adjacent channels will have no affect on the RF power level that the RF detector is measuring. For ALC pilot frequencies > 499.25 MHz, the ALC pilot filter is not a single channel device. This means that the adjacent QAM channels will have an affect on the RF power level that the RF detector is measuring. C-COR recommends that the adjacent QAM channels be present on the system before the ALC system of the amplifier station is balanced. This will avoid station re-balance in the future when those QAM channels would be added to the system.
- 16. Specifications are typical for Flex Max901e Bridgers. Contact your C-COR sales professional for Flex Max901e Trunk specifications.
- 17. Specifications for 870 MHz bridger configurations are available on request (Specification document number 1502214).

Specifications subject to change without notice.

Flex Max901e Bridger Amplifier Model Options

			1		2	3	4		5	6	7	8	9) 1	0	11	12
F	М	В	E		G	Ρ	х	-	х	х	X	X	Х	(x	х	Ν
1	Series											8	Outpu	t Confi	igura	tion	
E	Flex Max	901e ser	ies							а			Two bri				nfig. to
	a) 15A a	urrent po	assing c	apabil	ity.]		-25dB				c .
													Two brid - 20dB				nfig. to
2	Bandw												Two bri				nfig. to
G	1002 MH	Z									J		-20dB				
-	c												Two brid - 25 dB				onfig. to
3 P	Spacin	9											a) Sele				ock, Ho
Ρ	43 dB	6								а	-		b) Sele				
	a) 23dB	factory e	equaliza	tion.							J		c) Sele	ct " A ", " F ',	; or " L "	in #10 bl	ock, Ho
4	Freque	ncy Sni	li+										d) Sele	ct " A ", " C	", or " K "	' in #10 b	lock, H c
J	42/54M												e) Plug	-in splitt	ers and	d directio	onal cou
N	65/85 MI											9	Power	ing			
Q	55/70M	lz									J	1	None				
												6	2.3 A, 90	V, 50/60)Hz, H	.E. transf	formerle
5-6	Level C	ontrol											a) Sele	ct " A " in #	#10 blc	ock, Hou	sing. Re
K0	427.25 <i>N</i>	Hz NTSC	TV										b) 40-9	90 V opei	rating	range; in	cludes a
KB	439.25 <i>N</i>	Hz NTSC	TV														
KC	451.25 <i>N</i>	Hz NTSC	TV									-	Housi	ng			
KL	423.25 <i>N</i>	Hz NTSC	TV										None				
KN	471.25 <i>N</i>	Hz NTSC	TV										6-port F				
L0	499.25 <i>N</i>	Hz NTSC	TV										6-port F				
L4	495.25 <i>N</i>		TV										6-port F				
MB	645.00 <i>N</i>												6-port F a) Sele				
RM	711.00 <i>N</i>												b) Selei				-
SD	609.00 <i>N</i>	Hz QAM									J		c) Sele				•
7	Return												-,			,	
_												11	Housi	ng Fini	sh		
6 7	18dB act 18dB act	•	with ro		vitchoc					a b			Standar	<u> </u>			
/	a) Selec	-					nsnonde	is desired	1	U	-	4	Corrosio	on prote	cted		
	b) Oper				-			is desired					a) Requ	ired wh	en ord	ering RF	module
	<i>b) open</i>		cturr sv	menes	reguire	.5 a tran	ponaen.				1						
												12	Eleme	nt Mar	nager	nent	
												N	EMS cap	able			
													a) Tran				
														AM proto			

HMS protocol (P/N 810-0354-01H) b) Must order mounting bracket kit (P/N 1501024)

An HMS/AM protocol Value Max transponder is available to monitor and control the Flex Max901e Bridger Amplifier. Refer to the C-COR HFC Product Accessories data sheet on our website for detailed ordering information and specifications on the complete set of plug-in accessories used in the Flex Max901e.

Contact your C-COR sales professional for details and to discuss how our exciting new 1 GHz products can add value to your network.

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C-CO

www.c-cor.com

Flex Max[™]

Part Numbers (Model Options)

Flex Max901e Trunk Amplifiers

			1	2	3	4		5	6	7	8	9	10	11	12		
F	м	Т	E	x	x	x	-	X	x	x	x	х	x	x	Ν]	
1	Series								8	Outpu	t Config	uratio	n				
Е	Flex Max9	01e serie	25					a	F					ser-conf	igurable t	0	a, e
	a) 15A ci	ırrent pas	sing cape	ability.							ts with -2						
~									н		ith two bi ts with -2				igurable t	0	b, e
2	Tilt Con								Р						igurable t	0	c, e
D G	Equal trur Optimized		-	ration				a b		•	ts with -2			•		_	
G			" in #3 blo		ina. Suita	ble for re	placeme		S		ts with -2				igurable t	0	d, e
			d FNT9 sei							a) Selec	:t " A ", " F ", c	or " L ", in #	10 block, I	lousing			
	b) Must c	hoose " 8	" in #3 blo	ck, Spac i	ng.					b) Selec	:t " A ", " C ", o	or " K " in #	10 block,	Housing	J.		
_										c) Selec	:t " A ", " F ", c	or " L " in #1	10 block, I	lousing			
3	Spacing									d) Selec	t " A ", " C ", o	or " K " in #	10 block,	Housing	J.		
5	32 dB							а		e) Plug	-in splitter	s and dire	ectional c	ouplers n	nust be ord	lered sep	aratel
8	33 dB							b	_								
	a) 18dBf Bandy		ualizatio	n. Must cl	100se " D "	in #2 bloc	ck,		9	Power	ing						
			ualizatio	n. Must cl	1005e " G "	in #2 bloc	-k.		1	None							а
	Bandy								6	-	V, 50/60 H						b
										a) Selec only.		0 block, F	lousing.	Required	when ord	ering RF r	modul
4	Frequer	ıcy Spli	t									tina rana	e include	s detach	able cable		
J	42/54 MH	z								0, 10 5	o i opera	ang rang	c) menuru	Juctuch		•	
Ν	65/85 MH:	z							10	Housir	na						
Q	55/70MH:	_															
	55/701411	z							А	None							a
	55,70111	Z							A C	None 6-port F	lex Max, 1	GHz, Int	ternal te	stpoints			a b
5-6	Level Co									6-port F	lex Max, 1 lex Max, 1						
K0	Level Co 427.25 MF	ontrol Iz NTSC 1							C	6-port F 6-port F 6-port F	lex Max, 1 lex Max, 1	GHz, Ex	ternal te	stpoints	s, Interna	L	b
	Level Co	ontrol Iz NTSC 1 Iz NTSC 1	ΓV						C F	6-port F 6-port F 6-port F testpoin 6-port F	lex Max, 1 lex Max, 1 ts lex Max, 1	GHz, Ex GHz, fou	ternal te ur 90° acc	stpoints ess ports	5, Interna 5, Externa		b c
K0 KB KC	Level Co 427.25 MH 439.25 MH	ontrol Iz NTSC 1 Iz NTSC 1 Iz NTSC 1	rv rv						C F K	6-port F 6-port F 6-port F testpoin 6-port F testpoin	lex Max, 1 lex Max, 1 ts lex Max, 1 ts	GHz, Ex GHz, fou GHz, fou	ternal te ur 90° acc ur 90° acc	stpoints ess ports ess ports	, Externa	ı	b c b c
KO KB KC KL	Level Co 427.25 MH 439.25 MH 451.25 MH	ontrol Iz NTSC 1 Iz NTSC 1 Iz NTSC 1 Iz NTSC 1	rv rv rv						C F K	6-port F 6-port F 6-port F testpoin 6-port F testpoin <i>a</i>) Select	lex Max, 1 lex Max, 1 ts lex Max, 1 ts	GHz, Ex GHz, fou GHz, fou	ternal te ur 90° acc ur 90° acc	stpoints ess ports ess ports		ı	b c b c
KO KB KC KL KN	Level Co 427.25 MF 439.25 MF 451.25 MF 423.25 MF 471.25 MF 499.25 MF	ontrol Iz NTSC 1 Iz NTSC 1 Iz NTSC 1 Iz NTSC 1 Iz NTSC 1 Iz NTSC 1	rv rv rv rv						C F K	6-port F 6-port F testpoin 6-port F testpoin a) Selec mod	lex Max, 1 lex Max, 1 ts lex Max, 1 ts ct " 1 " in #1 ule only.	GHz, Ex GHz, fou GHz, fou <i>1 block</i> , I	ternal te ur 90° acc ur 90° acc Housing	stpoints ess ports ess ports Finish . R	, Externa	l hen orde	b c b c
KO KB KC KN LO L4	Level Cc 427.25 MH 439.25 MH 451.25 MH 423.25 MH 471.25 MH 499.25 MH	entrol Iz NTSC 1 Iz NTSC 1 Iz NTSC 1 Iz NTSC 1 Iz NTSC 1 Iz NTSC 1 Iz NTSC 1	rv rv rv rv						C F K	6-port F 6-port F testpoin 6-port F testpoin a) Select mod b) Select c) Select	lex Max, 1 lex Max, 1 ts tts tt s tt "1 " in #1 ule only. tt "H " or "S	GHz, Ex GHz, fou GHz, fou <i>1 block</i> , I <i>5″ in #8 bl</i> <i>1″ in #8 bl</i>	ternal te ur 90° acc ur 90° acc Housing lock, Outj	stpoints ess ports ess ports Finish. R put Conf	, Externa Required w	l l hen orde: n.	b c b
KO KB KC KN L0 L4 VIB	Level Cc 427.25 MH 439.25 MH 451.25 MH 423.25 MH 471.25 MH 499.25 MH 495.25 MH 645.00 MH	entrol Iz NTSC 1 Iz NTSC 1	rv rv rv rv						C F K	6-port F 6-port F testpoin 6-port F testpoin a) Select mod b) Select c) Select	lex Max, 1 lex Max, 1 ts lex Max, 1 ts tt " 1 " in #1 ule only.	GHz, Ex GHz, fou GHz, fou <i>1 block</i> , I <i>5″ in #8 bl</i> <i>1″ in #8 bl</i>	ternal te ur 90° acc ur 90° acc Housing lock, Outj	stpoints ess ports ess ports Finish. R put Conf	s, Externa Required w	l l hen orde: n.	b c b
KO KB KC KL LO L4 MB RM	Level Co 427.25 MH 439.25 MH 451.25 MH 423.25 MH 471.25 MH 499.25 MH 645.00 MH 711.00 MH	iz NTSC 1 iz QAM	rv rv rv rv						C F K L	6-port F 6-port F testpoin 6-port F testpoin a) Selec mod b) Selec c) Selec exter	lex Max, 1 ts lex Max, 1 ts tt 1 <i>in #1</i> <i>ule only.</i> tt "H" or "S <i>ct</i> "F" or "P <i>rnal testpo</i>	GHz, Ex GHz, fou GHz, fou <i>1 block</i> , I <i>1 block</i> , I	ternal te ur 90° acc ur 90° acc Housing lock, Outj	stpoints ess ports ess ports Finish. R put Conf	s, Externa Required w	l l hen orde: n.	b c b
K0 KB KC KN L0 L4 MB RM	Level Cc 427.25 MH 439.25 MH 451.25 MH 423.25 MH 471.25 MH 499.25 MH 495.25 MH 645.00 MH	iz NTSC 1 iz QAM	rv rv rv rv						С F K L	6-port F 6-port F 6-port F testpoin 6-port F testpoin a) Selec mod b) Selec c) Selec exter	lex Max, 1 lex Max, 1 ts lex Max, 1 ts tt "1" in #1 ule only. ct "H" or " <u>9</u> ct "F" or "F rnal testpo	GHz, Ex GHz, fou GHz, fou <i>1 block</i> , I <i>1 block</i> , I <i>1 block</i> , I <i>in #8 bl</i> <i>in #8 bl</i> <i>in ts only</i>	ternal te ur 90° acc ur 90° acc Housing lock, Outj	stpoints ess ports ess ports Finish. R put Conf	s, Externa Required w	l l hen orde: n.	d
KO KE KL KN LO L4 MB RM SD	Level Cc 427.25 MF 439.25 MF 451.25 MF 423.25 MF 471.25 MF 499.25 MF 645.00 MF 711.00 MF 609.00 MF	iz NTSC 1 iz QAM	rv rv rv rv						C F K L	6-port F 6-port F testpoin 6-port F testpoin a) Selec mod b) Selec exter Housin Standard	lex Max, 1 lex Max, 1 ts lex Max, 1 ts ts tt "1" in #1 ule only. tt "H" or "S tt "F" or "F rnal testpo ng Finisl d (or N/A)	GHz, Ex GHz, fou GHz, fou <i>1 block</i> , I <i>1 </i>	ternal te ur 90° acc ur 90° acc Housing lock, Outj	stpoints ess ports ess ports Finish. R put Conf	s, Externa Required w	l l hen orde: n.	b c b
KO KB KC KN LO L4 MB RM SD	Level Cc 427.25 MF 439.25 MF 451.25 MF 423.25 MF 423.25 MF 499.25 MF 645.00 MF 711.00 MF 609.00 MF	entrol Iz NTSC 1 Iz QAM Iz QAM							С F K L	6-port F 6-port F testpoin 6-port F testpoin a) Select mod b) Select c) Select exter Standard Corrosic	lex Max, 1 lex Max, 1 ts ts ts tt 1" in #1 ule only. tt "H" or "S tt "F" or "P nal testpo ng Finis d (or N/A) n protect	GHz, Ex GHz, fou GHz, fou <i>1 block</i> , I <i>5" in #8 bl</i> <i>ints only</i> n	ternal te ur 90° acc ur 90° acc Housing Hock, Outj cck, Outj	Finish. A pout Conf	s, Externa Required w	l l hen orde: n.	d
KO KB KC KN LO L4 MB RM SD 7 3	Level Cc 427.25 MF 439.25 MF 451.25 MF 423.25 MF 423.25 MF 499.25 MF 645.00 MF 711.00 MF 609.00 MF Return 14.5 dB ac	tive gain						a	C F K L	6-port F 6-port F testpoin 6-port F testpoin a) Select mod b) Select c) Select exter Standard Corrosic	lex Max, 1 lex Max, 1 ts lex Max, 1 ts ts tt "1" in #1 ule only. tt "H" or "S tt "F" or "F rnal testpo ng Finisl d (or N/A)	GHz, Ex GHz, fou GHz, fou <i>1 block</i> , I <i>5" in #8 bl</i> <i>ints only</i> n	ternal te ur 90° acc ur 90° acc Housing Hock, Outj cck, Outj	Finish. A pout Conf	s, Externa Required w	l l hen orde: n.	d
K0 KB KC KN L0 L4 MB RM SD 7 3 6	Level Cc 427.25 MF 439.25 MF 451.25 MF 423.25 MF 423.25 MF 499.25 MF 645.00 MF 711.00 MF 609.00 MF Return 14.5 dB act 18 dB activ	iz NTSC 1 iz QAM iz QAM iz QAM iz QAM						b	C F K L 11	6-port F 6-port F testpoin 6-port F testpoin a) Selec mod b) Selec c) Selec exter Standard Corrosic a) Requin	lex Max, 1 lex Max, 1 ts lex Max, 1 ts tt "1" in #1 ule only. tt "F" or "P rnal testpo og Finis d (or N/A) n protect red when	GHz, Ex GHz, fou GHz, fou <i>1 block</i> , I <i>1 block</i> , I <i>i m #8 bl</i> <i>i'' in #8 bl</i>	ternal te ur 90° acc ur 90° acc Housing Jock, Outp c RF modul	Finish. A pout Conf	s, Externa Required w	l l hen orde: n.	d
KO KB KC KL KN LO L4 MB RM SD 7 3	Level Cc 427.25 MF 439.25 MF 451.25 MF 423.25 MF 471.25 MF 499.25 MF 645.00 MF 711.00 MF 609.00 MF 711.00 MF 609.00 MF 14.5 dB acti 18 dB acti 18 dB acti	tive gain ve gain ve gain ve gain	rV rV rV rV rV rV						С F K L 11 1 4	6-port F 6-port F testpoin 6-port F testpoin a) Selec mod b) Selec c) Selec exter Housin Standard Corrosic a) Requin	lex Max, 1 ts lex Max, 1 ts tr "1" in #1 ule only. tr "F" or "F rnal testpo ng Finist d (or N/A) n protect red when n	GHz, Ex GHz, fou GHz, fou <i>1 block</i> , I <i>1 block</i> , I <i>i m #8 bl</i> <i>i'' in #8 bl</i>	ternal te ur 90° acc ur 90° acc Housing Jock, Outp c RF modul	Finish. A pout Conf	s, Externa Required w	l l hen orde: n.	d c b c b c c c c d d
K0 KB KC KN L0 L4 MB RM SD 7 3 6	Level Cc 427.25 MF 439.25 MF 451.25 MF 423.25 MF 423.25 MF 499.25 MF 645.00 MF 711.00 MF 609.00 MF 711.00 MF 609.00 MF 14.5 dB ac 18 dB activ 18 dB activ 18 dB activ	tive gain ve gain ve gain "D" in #2	rv rv rv rv rv vith return <i>block</i> , Ba	ndwidth				b c	C F K L 11	6-port F 6-port F testpoin 6-port F testpoin a) Selec mod b) Selec exter Corrosic a) Requin Elemen EMS cap	lex Max, 1 ts lex Max, 1 ts tt "1" in #1 ule only. tt "H" or "5 rnal testpo ng Finist d (or N/A) on protect red when n t Mana able	GHz, Ex GHz, fou GHz, fou <i>1 block</i> , I <i>1 block</i> , I <i>in #8 bl</i> <i>in #8 bl</i> <i>in #8 bl</i> <i>in in the only</i> <i>in a</i> <i>in a</i> <i>i a</i> <i>i a</i> <i>i a</i> <i>i a</i> <i>i a</i> <i>i a</i> <i>i a</i> <i>i a</i> <i>i <i></i></i>	ternal te II 90° acc II 90° acc Housing Jock, Out Jock, Out RF modul	Finish. A pout Conf	s, Externa Required w	l l hen orde: n.	d b c b c c c rring R d a
K0 KB KC KN L0 L4 MB RM SD 7 3 6	Level Cc 427.25 MF 439.25 MF 451.25 MF 423.25 MF 471.25 MF 499.25 MF 645.00 MF 711.00 MF 609.00 MF 711.00 MF 609.00 MF 14.5 dB acti 18 dB acti 18 dB acti	tive gain ve gain ve gain ve gain ve fit fit tut	rV rV rV rV rV vith return block, Ba	ndwidth nt manag	ement tra		r is plann	b c	С F K L 11 1 4	6-port F 6-port F testpoin 6-port F testpoin a) Selec mod b) Selec c) Selec exter Standare Corrosic a) Requi Element EMS cap a) Tran	lex Max, 1 ts lex Max, 1 ts tr "1" in #1 ule only. tr "F" or "F rnal testpo ng Finist d (or N/A) n protect red when n	GHz, Ex GHz, fou GHz, fou 1 block, I " in #8 bl in #8 bl	ternal te ur 90° acc ur 90° acc Housing lock, Outp cock, Outp	Finish. A pout Conf pout Conf e only.	s, Externa Required w	l l hen orde: n.	d