Making the Interfacility Link, Link

This is a typical IDU/ODU system - but the Orbital system is flexible enough for almost any configuration. We can help design just the system for you. Just call us at:

Telephone:

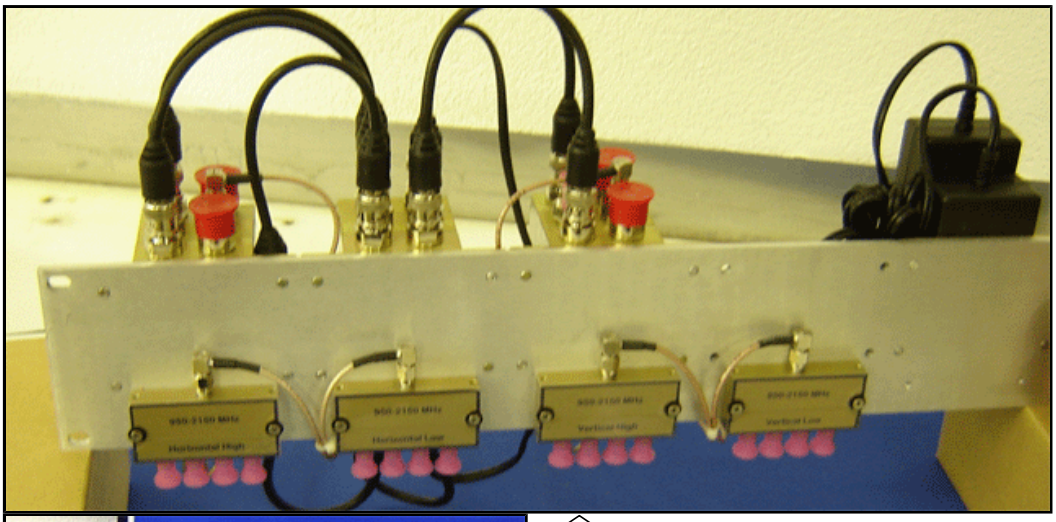
1-604-856-0305

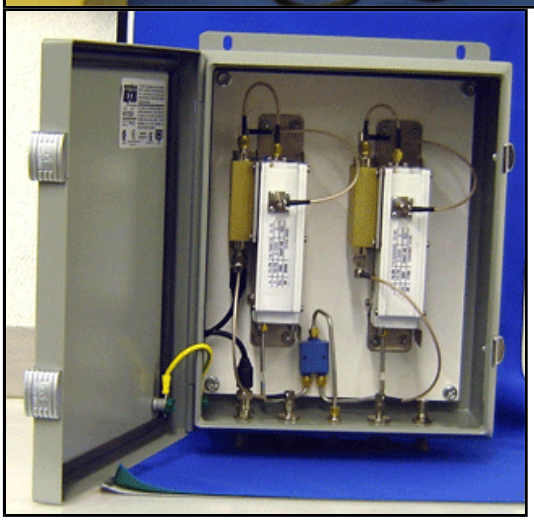
email:

davidzuvic@orbitalresearch.net

Here is a redundant horizontal/vertical polarity solution using Orbital's Systems Interface Products to route the satellite signals. This project includes both indoor (IDU) and outdoor segments (ODU).

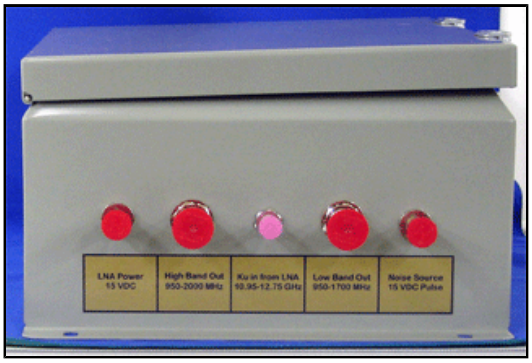
One for two redundant LNA's, horizontal and vertical high/low BDCs all controlled by the same Orbital Master Oscillator and combined for output to various client devices. All of the BDCs are in weather-tight enclosures out at the dish and are linked to the IDU through the IFL cable.





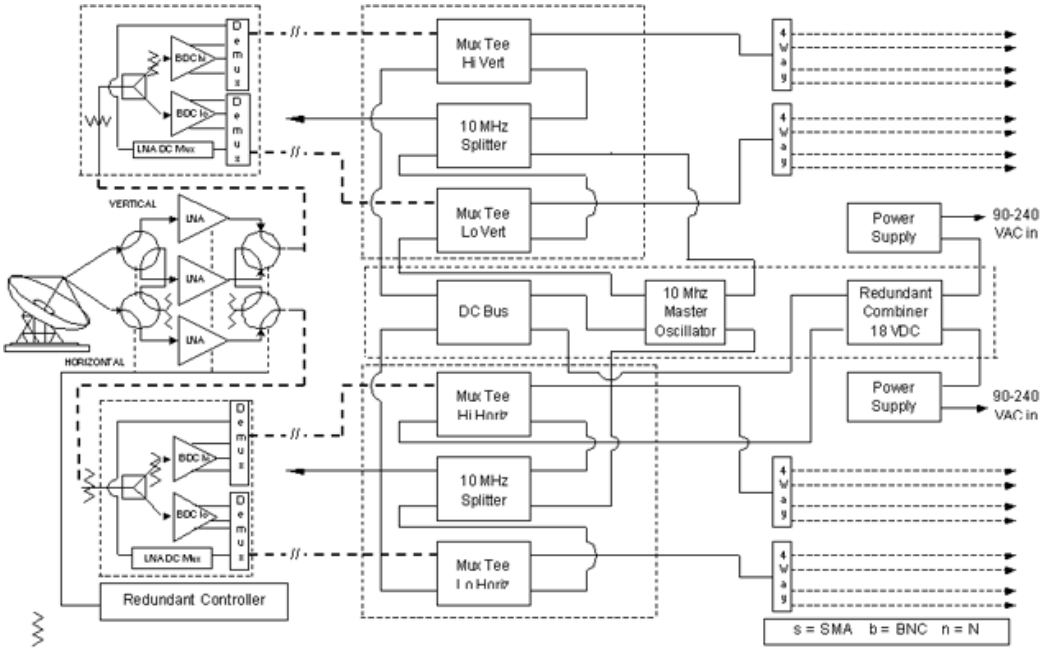
Orbital IDU - Plate Mounted

Orbital ODU - Enclosure



Orbital 'Stack' of SIP modules

Orbital Ku BDC Module



Due to unknown length, Orbital is unable to supply the cables shown as dashed lines. These cables are:
2 only - N to SMA - Ku cables from the output of the redundant switch to the input of the BDC boxes
4 only - N to N - L band IFL cables from the output of the outdoor BDC boxes to the input of the indoor Mux Tees
16 only - SMA to ?? - L band cables from the output of the 4 way splitters to various client devices, monics and modems
If there are any questions, call 604-723-9120 or www.orbitalresearch.net

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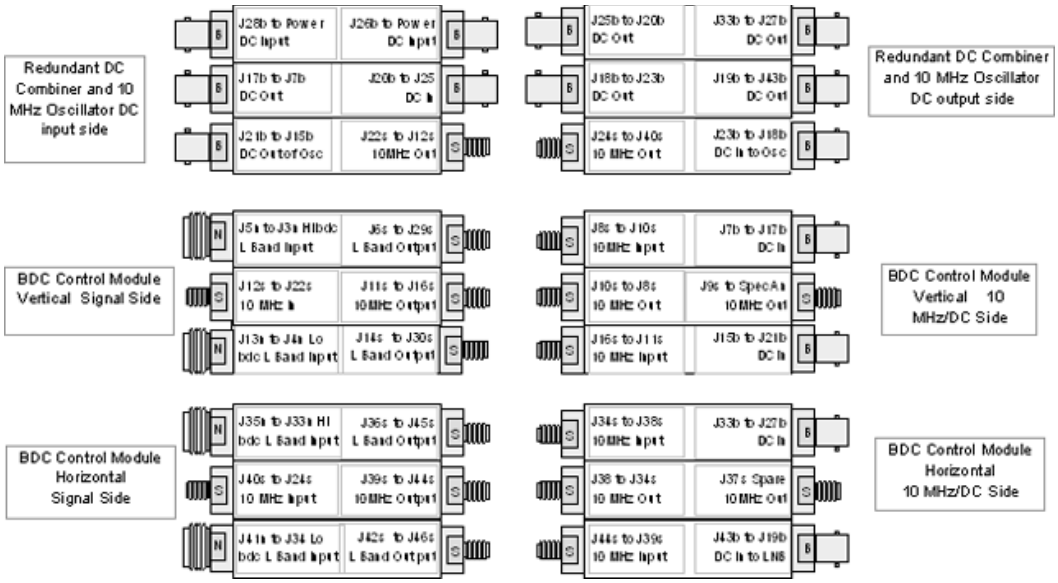

In	Out	Type	Orb	SES
J1n	to J2s	N to SMA Ku LNA Cable, Pol 1		1
J31n	to J32s	N to SMA Ku LNA Cable Pol 2		1
J3n	to J5n	N to N L band IFL cable on site		1
J4n	to J13n	N to N L band IFL cable on site		1
J33n	to J35n	N to N L band IFL cable on site		1
J34n	to J41n	N to N L band IFL cable on site		1
Splitter Output		SMA to ?? L band to Modems		8
Splitter Output		SMA to ?? Monics system		8
Power Supply		IEC 320 plugs to local AC		2

In	Out	Type	Orb	Inch
J6s	to J29s	SMA to SMA L band output	1	8
J14s	to J30s	SMA to SMA L band output	1	8
J36s	to J45s	SMA to SMA L band output	1	8
J42s	to J46s	SMA to SMA L band output	1	8
J7b	to J17b	BNC to BNC, DC jumper	1	6
J15b	to J21b	BNC to BNC, DC jumper	1	6
J19b	to J43b	BNC to BNC, DC jumper	1	6
J27b	to J33b	BNC to BNC, DC jumper	1	6
J20b	to J25b	BNC to BNC, DC jumper	1	7
J18b	to J23b	BNC to BNC, DC jumper	1	6

In	Out	Type	Orb	SES	Inch
J8s	to J10s	SMA to SMA, 10 MHz Jumper	1		4
J11s	to J16s	SMA to SMA, 10 MHz Jumper	1		4
J12s	to J22s	SMA to SMA, 10 MHz Jumper	1		8
J24s	to J40s	SMA to SMA, 10 MHz Jumper	1		8
J34s	to J38s	SMA to SMA, 10 MHz Jumper	1		4
J39s	to J44s	SMA to SMA, 10 MHz Jumper	1		4
J9s	to ??	SMA to Client Defined		x	opt
J37s	to ??	SMA to Client Defined		x	opt

BNC to BNC, DC jumper 6

SMA to SMA, 10 MHz Jumper, 8"

SMA to SMA, 10 MHz Jumper 4" 4