



Invacom **SwitchMaster™** is the new modular multiswitch range designed by GlobalInvacom Ltd., the worlds leading manufacturer of high performance switches & multiswitches.

The Invacom **SwitchMaster™** range can be used within both small & large systems, either in a star or cascade configuration.

In either system the required multi-switches are fed from a Global **SwitchMaster™** launch amplifier (SM55LA). Depending on precise system losses you can feed between 4 & 6 **SwitchMaster™** multiswitches from each launch amplifier.

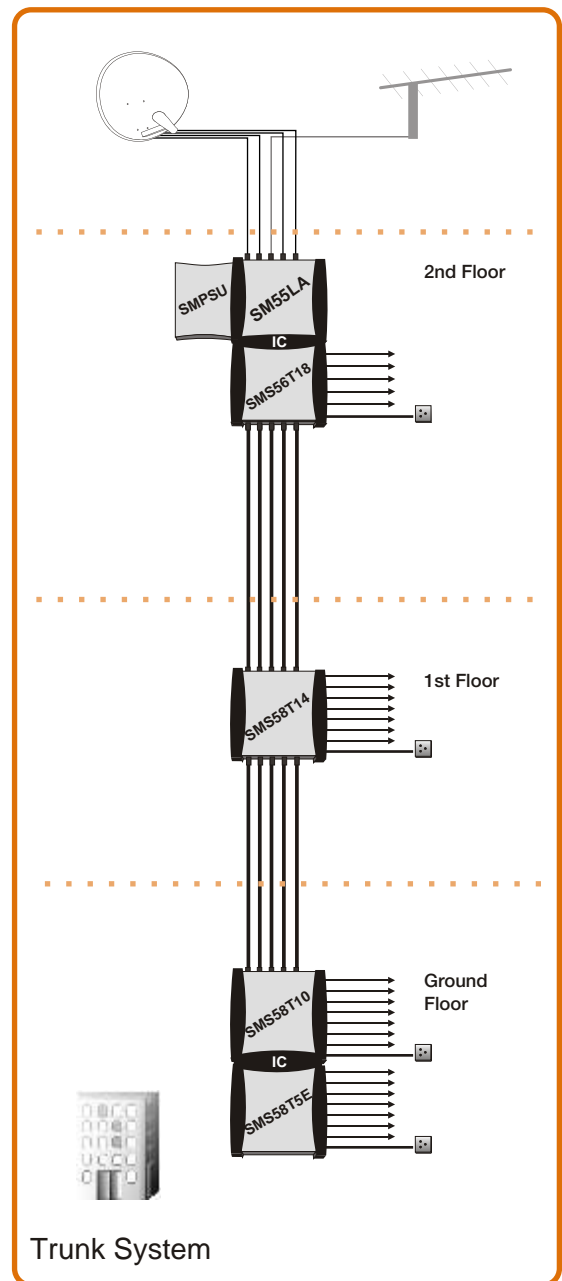
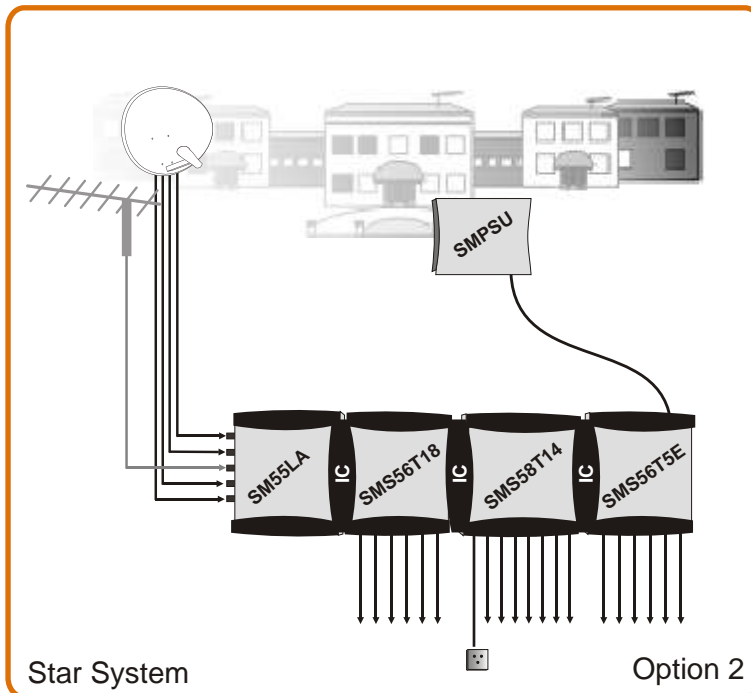
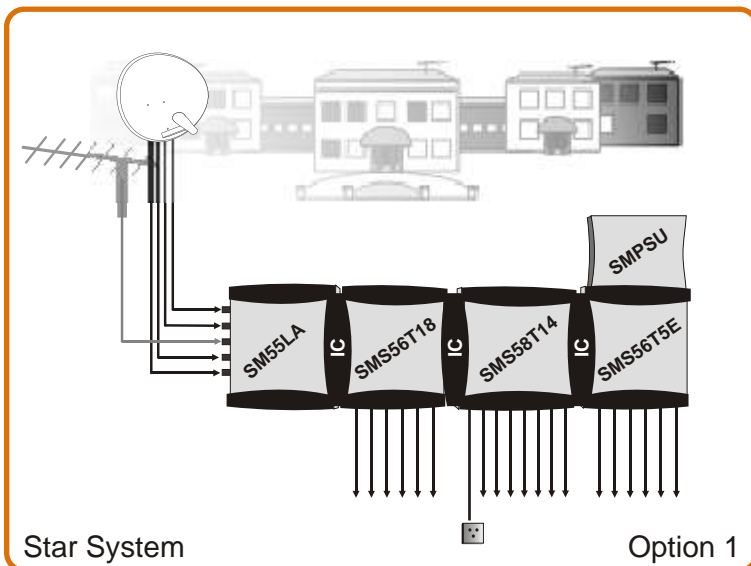
In a star system you would simply plug the relevant units together along with the launch amplifier or strings of multi-switches and amplifiers to gain the required number of outputs.

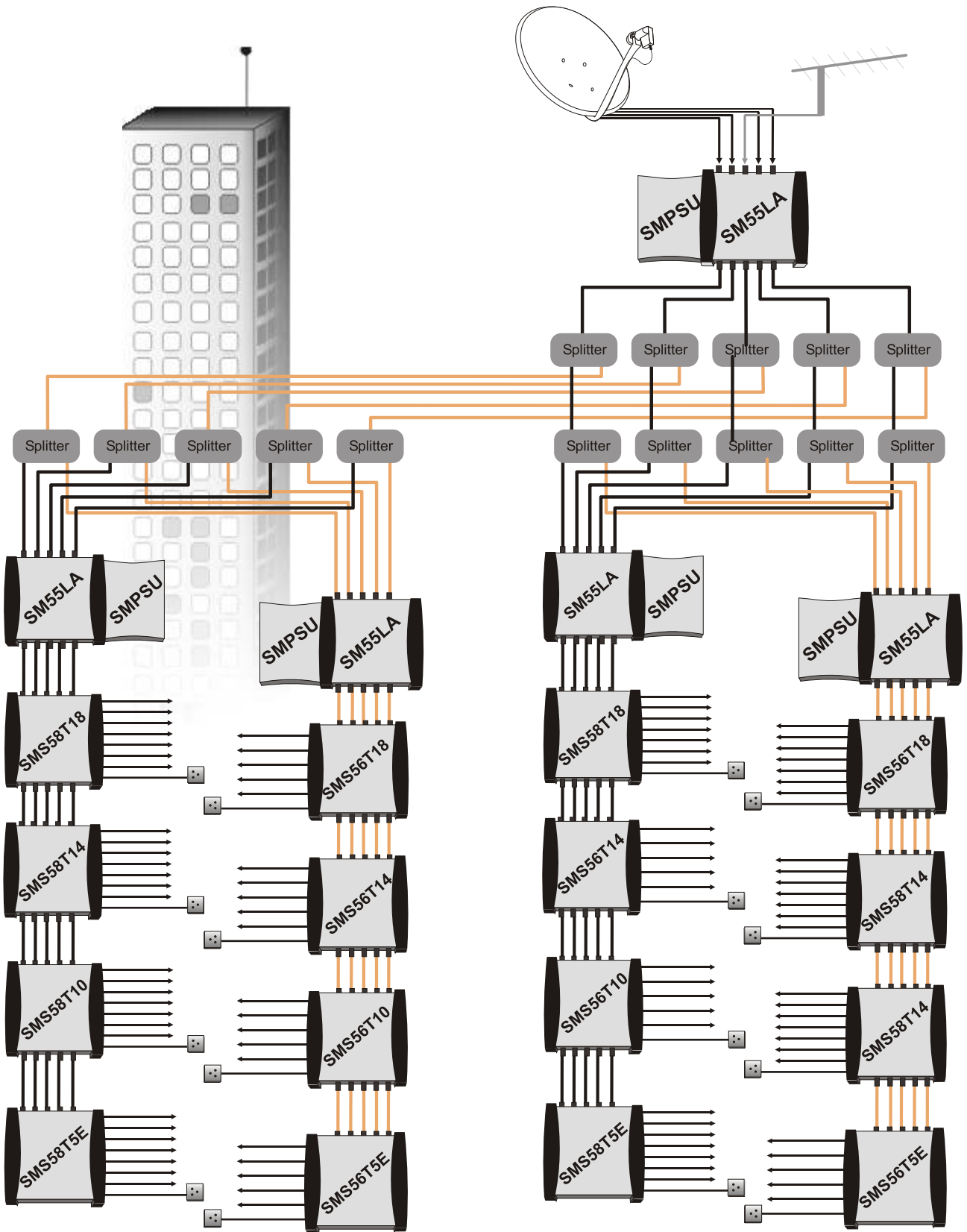
Typically, in a cascade system you would have trunk cables dropping from floor to floor. At each floor you would have a multi-switch, or a combination of switches (6 & 8 outputs) that would give you the required number of outputs. Large cascade systems can be achieved by either splitting the feeds from the Quattro LNB so creating sub-systems or through re-launching and re-cascading or a combination of both.

Each system or sub-system (launch amplifier & multi-switches) requires power from the Invacom SM PSU either directly or remotely via a coax cable to any multi-switch or the launch amplifier within the group.

Meets the requirement as detailed by the Sky Homes specification for Integrated Reception Systems.

Typical Installs





Expanded, 128 point, Trunk System

Cascadable Multiswitches

SMA



- High Performance
- >35dB Isolation
- >10dB Return Loss
- 4dB Slope Equalisation to Each Output
- Local or Remote Powering Options
- Suitable for Cascade or Star Type Systems



Specifications

	SMA56T18	SMA56T14	SMA56T10	SMA56T5E	NEW SMA516T
SAT Frequency Range	950-2150 MHz	950-2150 MHz	950-2150 MHz	950-2150 MHz	950-2150 MHz
TERR. Frequency Range	40-860 MHz	40-860 MHz	40-860 MHz	40-860 MHz	40-860 MHz
Trunk Loss SAT	3dB	3dB	3dB	N/A	3dB
Trunk Loss TERR.	4dB	4dB	4dB	N/A	3dB
Switch Loss SAT	18dB@2150MHz 22dB@950MHz	14dB@2150MHz 18dB@950MHz	10dB@2150MHz 14dB@950MHz	5dB@2150MHz 9dB@950MHz	T10 - 10dB ± 3dB T14 - 15dB ± 3dB T18 - 20dB ± 3dB
Switch Loss TERR.	28dB@860MHz 30dB@40MHz	23dB@860MHz 25dB@40MHz	17dB@860MHz 19dB@40MHz	12dB@860MHz 14dB@40MHz	T10 - 10dB ± 3dB T14 - 15dB ± 3dB T18 - 20dB ± 3dB
Return Loss	>10dB	>10dB	>10dB	>10dB	>10dB
Isolation All Ports	>35dB	>35dB	>35dB	>35dB	>30dB
Control	13/18 & 22KHz	13/18 & 22KHz	13/18 & 22KHz	13/18 & 22KHz	13/18 & 22KHz

	SMA58T18	SMA58T14	SMA58T10	SMA58T5E
SAT Frequency Range	950-2150 MHz	950-2150 MHz	950-2150 MHz	950-2150 MHz
TERR. Frequency Range	40-860 MHz	40-860 MHz	40-860 MHz	40-860 MHz
Trunk Loss SAT	4dB	4dB	4dB	N/A
Trunk Loss TERR.	5dB	5dB	5dB	N/A
Switch Loss SAT	18dB@2150MHz 22dB@950MHz	14dB@2150MHz 18dB@950MHz	10dB@2150MHz 14dB@950MHz	5dB@2150MHz 9dB@950MHz
Switch Loss TERR.	28dB@860MHz 30dB@40MHz	23dB@860MHz 25dB@40MHz	17dB@860MHz 19dB@40MHz	12dB@860MHz 14dB@40MHz
Return Loss	>10dB	>10dB	>10dB	>10dB
Isolation All Ports	>35dB	>35dB	>35dB	>35dB
Control	13/18 & 22KHz	13/18 & 22KHz	13/18 & 22KHz	13/18 & 22KHz

Launch Amplifier

SM55TLA



- High Performance
- Variable Gain to each Sat Input
- +4dB Slope
- Max.Gain 24dB
- >10dB Return Loss
- Local or Remote Powering Options



Specifications

SMA55LA

SAT Frequency Range	950-2150 MHz	
TERR Frequency Range	40-860 MHz	
SAT Gain Min	8dB +/- 2dB @ 950 MHz	12dB +/- 2dB @ 2150 MHz
SAT Gain Max	20dB +/- 2dB @ 950 MHz	24dB +/- 2dB @2150 MHz
SAT Gain Slope	+4dB	
TERR Loss	3dB +/- 1dB	
Max. SAT Output Level	110dBμV, 35dB IMA3 - EN50083-3	
Return Loss All Ports	>10dB	

Power Supply Unit

SMPSU

- Suitable for direct connection or remote powering
- Short circuit protection with auto recovery
- Includes Connector Tool



Specifications

AC Input	100 - 240V AC 50 - 60Hz 0.3A
DC Output	15 -16V, 0.75A Max

Interconnect Strip

SMIC

- Easy Fit
- Built in connectors



Description

The 'SwitchMaster Interconnect Strip' (SMIC) allows a seamless connection of 2 or more SwitchMaster multiswitches to produce a large stand alone multiswitch.



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