Jersey Microwave is introducing a fully contained (no external switches) 1:2 Redundancy Switch product that reduces the standard complexity of most existing 1:2 systems. The Jersey Microwave “142” (1:2) Redundancy Switch System allows full Monitor and Control from the switch unit or any one of the converters. The “142” switch unit gets it’s DC power from the online block converters so it is “triple redundant” supplied. The system is fully tested end to end as a complete system. There are two modes of operation “manual” and “auto.”

Features/Options

- Low Phase Noise exceeds IES-S308/309 & MIL-STD-188-164A
- High Performance
- Auto-switchover of 5/10 MHz external reference or manually selectable internal reference
- Electronic Adjustment of Internal Reference
- Full Monitor and Control Functionality
- Ethernet Capability
- Standard RS-485 Control
- Single Input Reference (Internal Splitter)
- Automatic and/or Manual Switch Control
- Gain Control
- Custom Frequencies
- Monitor Ports
- Mute Control
- Independent Contact Closure
- Summary Alarm
- Gain Slope Equalizer
Frequency Band Options

1:2 REDUNDANT ODU | BLOCK CONVERTER

The Jersey Microwave “142” series can provide back-up coverage for all Jersey Microwave C-Band, X-Band, Ku-Band, DBS Band, and Ka-Band outdoor block converter units. Refer to individual data sheets for performance and available bands. Contact factory for custom requirements.

1:2 Redundant Block Diagram

Custom bands and custom specifications can be provided.
Select the **Jersey Microwave** Block Converters that you require and add “-142” before the “-ODU” in the model number. The “-142” signifies the 1 for 2 system and the “ODU” signifies that the unit is ruggedized for outdoor use.

Example
KBUC-137145-2010-ODU (Single Band BUC)
KBUC-137145-2010-142-ODU (1:2 Ku-Band Redundancy Systems)
Each redundancy system contains the following:
- 3 Outdoor Block Converter Units (C, X, Ku, DBS, or Ka-Band)
- 1 **Jersey Microwave** 142 Series Redundancy Switching Unit
- 9 RF Cables connecting signal input, output, and reference to each unit
- 3 Control cables connecting switch unit to each block converter

**Unit Connections**

Connections that you need to make:
- RF/IF inputs/outputs to switch unit
- Reference input to switch unit
- AC to each converter (3)
- If using Ethernet connection only one connection is needed.

Additional connections you have access to:
- Input / Output monitor port for the standby unit
- Monitor and Control via the control connector or via the Ethernet port

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**Note** - Specifications may change without notice, please consult the factory for your specific needs.
Note: Dimensions are in inches.