

## ORDERING GUIDE

# PDR8000 – Portable Digital Repeater



R1.0

January 25, 2017

# Contents

Revision History.....	3
Ordering Instructions – PLEASE READ CAREFULLY .....	4
Important Notes .....	5
1. PDR8000 Frequency Type.....	6
PDR8000 136-174 MHz .....	6
PDR8000 380-430 MHz .....	6
PDR8000 450-470 MHz .....	7
PDR8000 470-512 MHz .....	7
PDR8000 700 MHz .....	8
PDR8000 800MHz .....	8
2. Wireline Connection .....	9
3. Internal Duplexer Options .....	10
4. Case Color Option .....	12
5. Antennas .....	13
6. PDR8000 Spares & Options Ordered Separately .....	14
7. Services .....	15
8. Notes .....	17

## Revision History

<u>REVISION</u>	<u>DATE</u>	<u>NOTES</u>

## Ordering Instructions – PLEASE READ CAREFULLY

If only ordering spares or kits, proceed to step 6. If only ordering services, proceed to section 7.

1. Select PDR8000 Frequency type (Section 1). NOTE: PDR8000 Frequency type model provides a Black Transportable Case with repeater, power supply and AC and DC Cables. (USB Programming cable not included refer to DDN9025)
2. Select appropriate wireline option connection as applicable to your intended operation (Section 2).
3. For full duplex operation, select the appropriate duplexer option (Section 3). NOTE the frequency requirements can be found in Section 3 to ensure your frequency plan meets the operating requirements. Duplexer is not mandatory and the 'No Duplexer' option can be chosen when full duplex capability is not desired.
4. If applicable, select case color options (Section 4).
5. Select required antennas (Section 5).
6. Select spares (Section 6).
7. Select optional services as required (section 7).

# AVAILABLE in Q1 2017

## Important Notes

1. Only the frequency bands shown in Section 3 are available as standard configurations. For custom filtering, please contact Futurecom: [sales@futurecom.com](mailto:sales@futurecom.com)  
  
1 Transmit and 1 Receive frequency are required for ordering. Units will be factory tuned to these frequencies so accuracy is important.
2. Standard PDR8000 delivery time is 10-12 weeks from the time the order is placed and the frequency information is provided. Frequency information must be accurate and in accordance with the frequency plan requirements described in this document in order to avoid delays.
3. Duplexer is not mandatory and the 'No Duplexer' option can be chosen when full duplex capability is not desired.
4. PDR8000 models include standard AC & DC Power Cables.
5. For all sales inquiries, please contact Futurecom sales at [sales@futurecom.com](mailto:sales@futurecom.com).
6. All pricing for the PDR8000 can be found in Motorola E-CAT or MOL.
7. Programming software is available for download at <http://futurecom.com/support/documentation-software/>

# 1.PDR8000 Frequency Type

## PDR8000 136-174 MHz

<u>ORDER CODE</u>	<u>ITEM</u>	<u>INCLUDES</u>	<u>PREREQUISITES</u>	<u>NOTES</u>
<b>TT3148A</b>	<b>Base Order Code</b>  <b>PDR8000 – VHF</b>	Black Transportable Case with repeater, power supply and AC and DC Cables.		Wireline Connections; see section 2 for wireline connections options

## PDR8000 380-430 MHz

<u>ORDER CODE</u>	<u>ITEM</u>	<u>INCLUDES</u>	<u>PREREQUISITES</u>	<u>NOTES</u>
<b>TT3149A</b>	<b>Base Order Code</b>  <b>PDR8000 - UHF 380-430</b>	Black Transportable Case with repeater, power supply and AC and DC Cables.		Wireline Connections; see section 2 for wireline connections options

### PDR8000 450-470 MHz

<u>ORDER CODE</u>	<u>ITEM</u>	<u>INCLUDES</u>	<u>PREREQUISITES</u>	<u>NOTES</u>
<b>TT3150A</b>	<b>Base Order Code</b>  <b>PDR8000 - UHF 450-470 MHz</b>	Black Transportable Case with repeater, power supply and AC and DC Cables.		Wireline Connections; see section 2 for wireline connections options

### PDR8000 470-512 MHz

<u>ORDER CODE</u>	<u>ITEM</u>	<u>INCLUDES</u>	<u>PREREQUISITES</u>	<u>NOTES</u>
<b>TT3151A</b>	<b>Base Order Code</b>  <b>PDR8000 - UHF 470-512 MHz</b>	Black Transportable Case with repeater, power supply and AC and DC Cables.		Wireline Connections; see section 2 for wireline connections options

## PDR8000 700 MHz

<u>ORDER CODE</u>	<u>ITEM</u>	<u>INCLUDES</u>	<u>PREREQUISITES</u>	<u>NOTES</u>
<b>TT3152A</b>	<b>Base Order Code</b>  <b>PDR8000 – 769 MHz- 775 MHz/799-805 MHz</b>	Black Transportable Case with repeater, power supply and AC and DC Cables.		Wireline Connections; see section 2 for wireline connections options

## PDR8000 800MHz

<u>ORDER CODE</u>	<u>ITEM</u>	<u>INCLUDES</u>	<u>PREREQUISITES</u>	<u>NOTES</u>
<b>TT3153A</b>	<b>Base Order Code</b>  <b>PDR8000 – 806-824/ 851-869 MHz</b>	Black Transportable Case with repeater, power supply and AC and DC Cables.		Wireline Connections; see section 2 for wireline connections options



## 2. Wireline Connection

<u>ORDER CODE</u>	<u>ITEM</u>	<u>PREREQUISITES</u>	<u>NOTES</u>
<b>TT06253AA</b>	<b>Add V.24 Wireline Operation</b>	TT3148A or TT3149A or TT3150A or TT3151A or TT3152A or TT3153A	

### 3. Internal Duplexer Options

<u>OPTIONS ORDER CODE</u>	<u>ITEM</u>	<u>INCLUDES</u>	<u>PREREQUISITES</u>	<u>NOTES</u>
<b>TT06261AA</b>	No Duplexer Required Option		TT3148A, TT3149A, TT3150A, TT3151A, TT3152A, TT3153A	
<b>TT06254AA</b>	Add Duplexer:  VHF 5 MHz TX to RX Separation		TT3148A – PDR8000 - VHF	
<b>TT06255AA</b>	Add Duplexer:  380-430 MHz 10 MHz TX to RX Separation		TT3149A –  PDR8000-UHF 380-430 MHz	
<b>TT06256AA</b>	Add Duplexer  380-430 MHz 5 MHz TX to RX Separation		TT3149A –  PDR8000-UHF 380-430 MHz	
<b>TT06257AA</b>	Add Duplexer  450-470 MHz 5 MHz TX to RX Separation		TT3150A –  PDR8000-UHF 450-470 MHz	

<b>TT06258AA</b>	Add Duplexer  470-512 MHz 3 MHz TX to RX Separation		TT3151  PDR8000-UHF 470-512	
<b>TT06259AA</b>	Add Duplexer  700 MHz 30 MHz TX to RX Separation		TT3152A  PDR8000-700 MHz	
<b>TT062560AA</b>	Add Duplexer  800 MHz 45 MHz TX to RX Separation		TT3153A  PDR8000-800 MHz	

## 4. Case Color Option

<u>OPTIONS ORDER CODE</u>	<u>ITEM</u>		<u>PREREQUISITES</u>	<u>NOTES</u>
<b>TT06251AA</b>	Alternative: Replaces standard black transportable case with Olive Drab Green Case		TT3148A or TT3149A or TT3150A or TT3151A or TT3152A or TT3153A	
<b>TT06252AA</b>	Alternative: Replaces standard black transportable case with Yellow Case		TT3148A or TT3149A or TT3150A or TT3151A or TT3152A or TT3153A	

## 5. Antennas

<b>ANTENNAS FOR PDR8000</b> <b>UNITY GAIN (0dBd), MAG</b> <b>MOUNT</b>	<b>FREQUENCY BAND [MHz]</b>
<b>DDN9014</b>	136 – 174
<b>DDN9015</b>	380 – 520
<b>DDN9016</b>	764 – 869

## 6.PDR8000 Spares & Options Ordered Separately

<u>ORDER CODE</u>	<u>DESCRIPTION</u>	<u>Connector Type / Cable Length</u>
<b>DDN2300A</b>	PDR8000 AC Power Cable (FC # 7W088X10-01)	6 ‘
<b>DDN2301A</b>	PDR8000 DC Power Cable (FC # 7W088X11-01)	8’
<b>DDN9025</b>	PDR8000/DVR Programming Cable	USB A to USB B, 9’

## 7. Services

<u>ORDER CODE</u>	<u>DESCRIPTION</u>	<u>Notes and Conditions</u>
<b>DDN2303A</b>	PDR8000 4 Year Extended Warranty	<p>Extends standard 18 month warranty by 4 years. Includes software subscription. Can only be purchased once per unit.</p> <p>Must be purchased prior to expiration of standard warranty.</p>
<b>DDN2302A</b>	PRD8000 1 Year Extended Warranty	<p>Extends existing warranty by one year. Includes software subscription.</p> <p>Must be purchased prior to expiration of any existing warranty. Standard 18 month warranty can be extended by a maximum of 4 years.</p>
<b>DDN1971A</b>	On-Site Technical and Programming Support (BASIC)	<p>Maximum 1 day; see EXTENDED support for additional days.</p> <p>Minimum 2 weeks advance notice required however subject to resource availability. Applies to North America only.</p>
<b>DDN1972A</b>	On-Site Technical and Programming Support (EXTENDED)	

<u>ORDER CODE</u>	<u>DESCRIPTION</u>	<u>Notes and Conditions</u>
		Must purchase BASIC on-site technical and programming support. All on-site activity must be scheduled as sequential days.
<b>DDN1973A</b>	Technical and Programming Phone Support	Must be purchased in 1hr increments.
<b>DDN1974A</b>	On-Site Training (BASIC)	<p>Maximum 1 day; see EXTENDED training for additional days.</p> <p>Minimum 2 weeks advance notice required however subject to resource availability. Applies to North America only.</p> <p>Standard training package. Includes soft copy of training materials. Customized training available subject to content and price negotiation.</p>
<b>DDN1975A</b>	On-Site Training (EXTENDED)	Must purchase BASIC on-site training All on-site activity must be scheduled as sequential days.



## **8. Notes**