

**Distributor Update**  
**Tech Tip No. 14, 12/85**



**Parameter Guidelines When Using the Cipher 990  
Tape Drive with Zetaco Tape Couplers**

The Cipher 990 Tape Drive requires the configuration of several internal parameters. For best system performance with Zetaco tape couplers, we recommend the following parameter settings.

PARAMETER SETTING	CIPHER CHOICES	WITH BMX-2	WITH TC-133	WITH ZDF-1
Serial Port Baud Rate	50, 75, 110, 135, 150, 300, 600, 1200, 1800, 2400, 3600, 4800, 7200, 9500, 19200	300	300	300
Host Supplied Parity	yes or no	yes	yes	yes
Echo Read Strobes on Write	yes or no	yes	yes	yes
EOT Mode	yes or no	no	no	no
Echo 1600 bpi ID Burst	yes or no	no	no	no
Echo 3200 bpi ID Burst	yes or no	no	no	no
Echo 6250 bpi ID Burst	yes or no	no	no	no
Abort Active Writes on Overwrites	yes or no	no	no	no
Interface Transfer Rate (kHz)	70.3, 79.1, 90.4, 105.5, 126.6, 158.2, 211, 316.5, 632.8	any*	do not exceed 316.5 kHz*	do not exceed 316.5 kHz*
Default Density on Power-up	PE 1600, GCR 6250, or 3200 (optional)	1600	1600	1600

\* This parameter is subject to change in response to a particular customer's configuration, so a certain amount of experimentation may be required to optimize performance.

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**INTERCHANGEABILITY**

The new paddleboards for ZDF-1, BMX-2 and TC-133 products are completely interchangeable across all revisions of their respective controllers. Respective cabling must, of course, stay with the paddleboard.

**SALES INFO**

Paddleboards will be considered part of the Controller Product, and therefore included in the price. To order spares, please use the 4-digit numbers listed below. (DO NOT use the 4-digit paddleboard numbers when ordering a controller.)

Internal Cabling, sufficient to support one drive, is now included in the (optional) Primary Cable Set. If you order via the 4-digit Sales Order Numbers shown below, you will receive a full set of cables, including both internal and external cabling.

For Model	Description	Sales Order Number	Zetaco Internal Part Number
ZDF-1 Disk/Tape Controller	'A' Paddleboard	3413	500-413-00
	'B' Paddleboard	3414	500-414-00
ZDF-1 Disk/Tape Controller	FCC Primary Tape Cable Set (10' Ext./18" Int.)	3904	N/A
ZDF-1 Disk/Tape Controller	FCC Primary Disk Cable Set (16' Ext./18" Int.)	3900	N/A
ZDF-1 Disk/Tape Controller	FCC Primary Disk Cable Set (6' Ext./18" Int.)	3902	N/A
BMX-2 and TC-133 Tape Couplers	'A' Paddleboard	3411	500-411-00
	'B' Paddleboard	3412	500-412-00
BMX-2 and TC-133 Tape Couplers	FCC Primary Tape Cable Set (10' Ext./18" Int.)	3904	N/A