

**OTARI**®



**DP-4050F-C2  
DP-4050F-Z3  
DP-4050-OM  
DP-4050E-Z**

**16/8 TIMES**

**THE DP-4050 SERIES**

# 16 / 8 TIMES HIGH SPEED TAPE DUPLICATION

For 25 years Otari has been applying leading edge technology to magnetic recording systems and high speed tape duplicating systems. Now, Otari presents the new DP-4050F-C2, Z3 16 times high speed cassette duplication systems. In addition to duplication at 8 times speed, the new DP-4050 series can perform duplication at 16 times original tape speed. Using DP-4050E-Z bias signal buffer unit, the system can be expanded without loss of quality. Whether duplicating music, language instruction, or any other application, the Otari standard continues as the industry standard. Our history of meeting the needs of professionals guarantees you the highest in quality, efficiency, and reliability. The four parts of the new DP-4050 Series Cassette Duplication System are:

## Cassette-to-Cassette Copying Machine

### DP-4050F-C2

This machine is designed to produce 2 cassette copies from a single cassette master. Addition of 3 DP-4050F-Z3 units enables production of 11 copies per pass, while adding 21 DP-4050F-Z3 units plus 3 DP-4050E-Z Buffer Units allows simultaneous production of 65 copies with superb results.



- Switchable 8/16 times duplication speed.
- 2-minute simultaneous stereo copying of both tape sides(C-60) at 16 times speed.
- Automatic rewind of master and slave tape at program's end.
- Sensor ensures error-free simultaneous master and slave stop.
- CPU control, 3-motor(2-reel DD motor/1 DC capstan motor)stabilized transport mechanism.
- More than 40-tape (C-60) per hour copy capacity at 16 times speed.
- Highly dependable 4-channel in-line ferrite heads.
- FIX/Variable master tape player pitch control.
- Adjustable bias and record level for each channel.
- Independent equalization of each channel.
- Independent front panel controls for recording level of each channel.
- LED azimuth indicators.
- One-touch connection of DP-4050F-Z3 Slave Expander Unit.





## Cassette Slave Expander Unit

### DP-4050F-Z3

When connected to the DP-4050F-C2, this unit produces 3 additional slaves, and by connecting 21 of these units, production capacity can be expanded to 65 copies per pass.

- Switchable 8/16 times duplicating speed.
- 2-minute simultaneous stereo copying of both tape sides (C-60) at 16 times speed.
- Automatic rewind of slave tape at program's end.
- Sensor ensures error-free simultaneous master and slave stop.
- Automatic shut-off of master, auto-eject of slaves.
- Highly durable ferrite heads.
- CPU control, 3-motor (2-reel DD motor/1 DC capstan motor) stabilized transport mechanism.
- Front panel switch allows A-side only copying.
- One-touch connection of DP-4050F-C2.
- More than 60-tape per hour (C-60) capacity at 16 times speed.

## Open Reel Master

### DP-4050-OM

This 1/4 inch dual speed open reel unit features 10.5 inch reels, and employs master tapes recording at 30/60 ips (original standard 3.75/7.5 ips). When coupled with 6 DP-4050F-Z3s, along with 1 DP-4050F-C2 and 9 DP-4050F-Z3, in a dual master configuration, this unit is capable of producing 29 copies per pass.

- Simultaneous two-side stereo recording from 4-track, 2-channel open reel tape.
- 2 reel motor/1 capstan motor stabilized transport mechanism.
- Front panel switch allows A-side only copying.
- Built in monitor speaker for added convenience.
- Independent equalization for each channel.
- Automatic shut-off rewind.
- Pre-roll function.
- Automatic tape cueing.
- Highly durable Sendust 4-track, 2-channel stagger head.
- One-touch connection to DP-4050F-C2, F-Z3, and E-Z units.

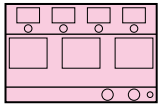


## Buffer Unit

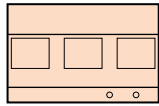
### DP-4050E-Z

When expanding into a large slave system, the DP-4050-Z is needed as a bias signal buffer unit. While 1 unit can drive an additional into 6 DP-4050F-Z3s, a maximum of 3 DP-4050F-Zs can be connected in a single system.

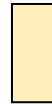
# TYPICAL SYSTEM CONFIGURATION EXAMPLES



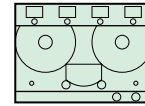
DP-4050F-C2



DP-4050F-Z3



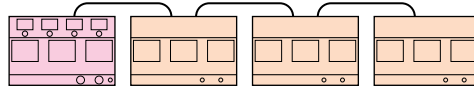
DP-4050F-Z



DP-4050-OM

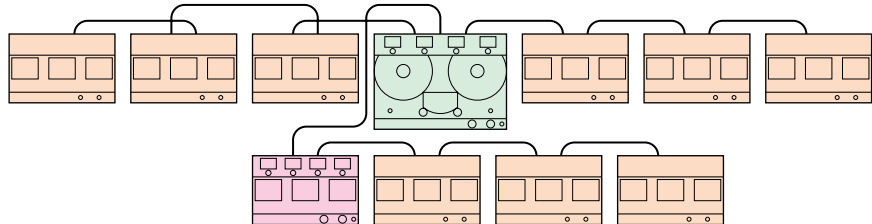
## BASIC SYSTEM

11 copies  
(Cassette/Cassette)



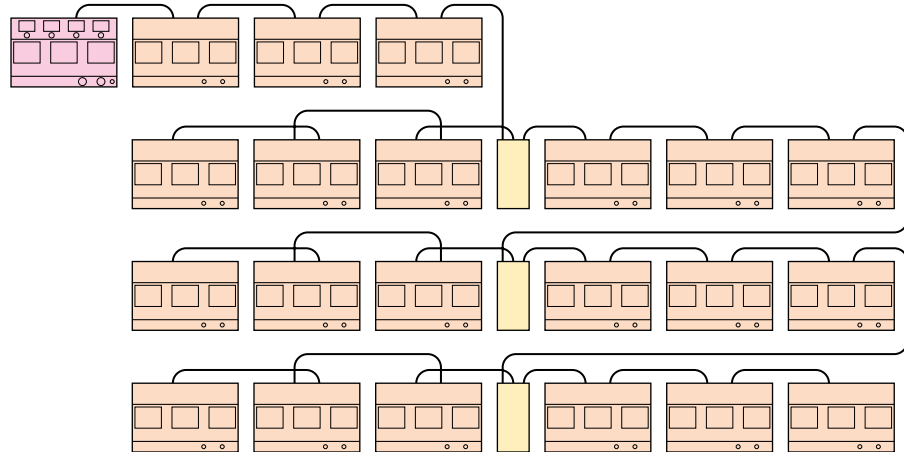
## OPEN REEL SYSTEM

29 copies  
(Reel/Cassette, Cassette/Cassette)



## BIG SYSTEM

Max. 65 copies  
(Cassette/Cassette)



## TECHNICAL SPECIFICATIONS

DP-4050F-C2, Z3		DP-4050-OM		DP-4050E-Z	
TAPE	: 0.15" (3.81mm), Up to C-90	TAPE	: 1/4" (6.3 mm)	BIAS FREQUENCY	: 800kHz
TAPE SPEED	: 15ips (38cm/s); 8 times 30ips (76cm/s); 16 times, Switchable	MOTORS	: Dual Capstan, Hysteresis Synchronous Motor	POWER	: AC 100/117/220/240V, 50/60Hz, 11VA
REWIND TIME	: Approximately 60 sec (C-60)	REEL SIZE	: 7" or 10 1/2", NAB or IEC	DIMENSIONS	: 135 (W) x 432 (D) x 173 (H), 4.5kg
REC LEVEL	: DIN SRL -4 dB (±2 dB) Output; Signal -4 dBu	TAPE SPEED	: 60/30 ips switchable (Original speed of 7 1/2 or 3 3/4)		
FREQUENCY RESPONSE	: 8 times copy rate; 50 to 10 kHz 16 times copy rate; 50 to 10kHz	REWIND TIME	: Max. 80 sec (2,500 feet NAB reel)		
S/N RATIO	: 45dB	FREQUENCY RESPONSE	: 50 to 10kHz		
DISTORTION	: Max. 1.5% (1 kHz, 0 VU)	S/N RATIO	: 50dB, DIN, SRL		
CROSSTALK	: Min. 35dB (CH1&2), Min. 45dB (CH2&3)	DISTORTION	: Max. 1.5% (1kHz, DIN SRL -4dB)		
WOW & FLUTTER	: Max. ±0.3%	CROSSTALK	: Min. 40dB (CH1&2), Min. 55dB (CH2&3)		
POWER	: AC 100/117/220/240 V, 50/60Hz, 105VA	WOW & FLUTTER	: Max. 0.25% Wrms.		
DIMENSIONS	: 538 (W) x 445 (D) x 240 (H), 22kg	BIAS FREQUENCY	: 800kHz		
		POWER	: AC 100/117/220/240V, 50/60Hz, 350VA		
		DIMENSIONS	: 670 (W) x 488 (D) x 707 (H)mm, 40kg		

All specifications are measured with Maxell UD1 C-60 tapes.  
Otari reserves the right to change specifications without notice or obligations.



**Otari, Inc.** 4-33-3 Kokuryo-cho, Chofu-shi, Tokyo 182-0022, Japan • Phone : (81) 42481-8626, Fax : (81) 42481-8633 • Web Site : <http://www.otari.co.jp/>  
**Otari Corporation** 8236 Remmet Avenue, Canoga Park, California 91304 U.S.A • Phone : (818) 598-1200, Fax : (818) 594-7208 • Web Site : <http://www.otari.com/>  
**Otari Europe GmbH.** Rudolf-Diesel-Straße 12, D-40670 Meerbusch 2 (Osterath), Germany • Phone : (49) 2159-50861, Fax : (49) 2159-1778  
**Otari Singapore Pte., Ltd** 40 MacTaggart Road, Singapore 368085 • Phone : (65) 284-7211, Fax : (65) 284-4727