

XGEN™

Series Cassette Duplicator

Expandable up to 59 copy positions
(16 more copies than any other
duplicator on the market!)

Rewinds a C-60 in 30 seconds –
no one is faster!

Microprocessor-controlled

8x or 16x speed systems available

Master module features a master
position and three copy positions

Two master stations can be linked
together for added flexibility
(i.e. additional 3-pocket copying)

Ferrite, XL or Standard heads

Available in Stereo (4-channel)
or Mono (2-channel)

Ferrite Erase Heads

Track Select

Audible Tone End-of-Copy

Auto or Manual

Cleaning Cycle

One Touch Copying

End-of-tape sensing

"Heads Up" Cassette Platform

Direct drive motors
(quiet operation, more accurate,
fewer moving parts)

Chrome tape copying option on
select models* (Stereo models
with XL or Ferrite head style,
8x or 16x speed)

Two year limited warranty

* When XGEN unit is set in chrome (i.e. high bias) operation, the erase head becomes inactive. The erase head is active only when set in ferric (i.e. normal bias) operation

TELEX®

TELEX COMMUNICATIONS, INC.

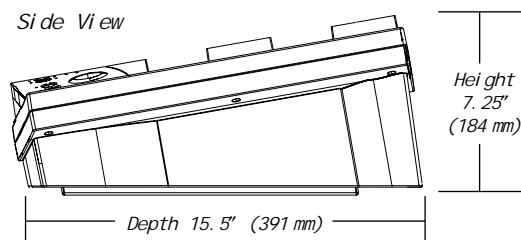
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Specifications

XGEN 16x	Standard		XL		Ferrite	
Track/Channel Configuration	1/2 Track, 2-Channel	1/4 Track, 4-Channel	1/2 Track, 2-Channel	1/4 Track, 4-Channel	1/2 Track, 2-Channel	1/4 Track, 4-Channel
Copy Speed	30 ips		30 ips		30 ips	
Rewind Time (C-60)	30 seconds		30 seconds		30 seconds	
Frequency Response	50Hz - 10kHz	40Hz - 10kHz	50Hz - 10kHz	40Hz - 12.5kHz	50Hz - 10kHz	40Hz - 10kHz
Equalization	Type I		Type I	Type I or II	Type I	Type I or II
Signal to Noise (A Weighted)	52 dB		52 dB		52 dB	
Crosstalk Rejection (typically at 1kHz)	> 52 dB tracks 2&3 @ 1 kHz	> 54 dB tracks 2&3 @ 1 kHz	> 52 dB tracks 2&3 @ 1 kHz	> 54 dB tracks 2&3 @ 1 kHz	> 52 dB tracks 2&3 @ 1 kHz	
Distortion (typically at nominal level)	< 1% T.H.D.		< 1% T.H.D.		< 1% T.H.D.	
Flutter (NRMS)	< .23%		< .23%		< .23%	
Bias Oscillator	600 kHz		600 kHz		600 kHz	
Power Requirements	100V, 120V, 220V, 240V AC, 50/60 Hz		100V, 120V, 220V, 240V AC, 50/60 Hz		100V, 120V, 220V, 240V AC, 50/60 Hz	
Power Consumption	Approx. 85W		Approx. 85W		Approx. 85W	
Erase Heads	Ferrite		Ferrite		Ferrite	
Weight	19 lbs., 8 oz.		19 lbs., 8 oz.		19 lbs., 8 oz.	
Unit Warranty	2 year limited		2 year limited		2 year limited	
Head Warranty	1 year		2 year		2 year	
XGEN 8x	XL		Ferrite			
Copy Speed	15 ips		15 ips			
Rewind Time (C-60)	30 seconds		30 seconds			
Frequency Response	40 Hz - 12.5 kHz		40 Hz - 12.5 kHz			
Equalization	Type I or II		Type I or II			
Signal to Noise (A Weighted)	52 dB		52 dB			
Crosstalk Rejection (typically at 1kHz)	> 54 dB tracks 2&3 @ 1 kHz		> 52 dB tracks 2&3 @ 1 kHz			
Distortion (typically at nominal level)	< 1% T.H.D.		< 1% T.H.D.			
Flutter (NRMS)	< .18%		< .23%			
Bias Oscillator	600 kHz		600 kHz			
Power Requirements	100V, 120V, 220V, 240V AC, 50/60 Hz		100V, 120V, 220V, 240V AC, 50/60 Hz			
Power Consumption	Approx. 85W		Approx. 85W			
Erase Heads	Ferric only*		Ferric only*			
Weight	19 lbs., 8 oz.		19 lbs., 8 oz.			
Unit Warranty	2 year limited		2 year limited			
Head Warranty	2 year		2 year			

XGEN Dimensions

Side View



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XGEN™

Series Cassette Duplicator



Our new cassette duplicator was built for speed. Take the XGen for a spin and check out these "best in the industry" specifications:

Rewinds a C-60 cassette in 30 seconds—no one is faster!

Expandable up to 59 copies at once (16 more than the industry's best)

Models available in either 8x or 16x normal speed

Time is money.

See inside for details on how you can have more of both!

TELEX®



TAPE DUPLICATOR SERIES

Models available which copy at up to 16x speed, expandable up to 59 tape copies at once!

Think how much you could accomplish if you could do 59 things at once. You can, with a little help from the new XGEN series of cassette duplicators from Telex. We understand your need for speed, which is why XGEN is available in either 8x or 16x speed models, rewinds a C-60 in 30 seconds (no one is faster), and is expandable up to 59 copy positions at once... 16 more copies than any other duplicator on the market! In addition, two master stations can be linked together for additional 3-pocket copying. Since we know you don't have time to deal with service calls either, we built XGEN to last. A microprocessor-controlled design (fewer moving parts), direct drive motors (quiet operation, more accurate, no gears to break down), Ferrite or XL heads (longer wear), and modular cassette pockets with a unique "heads up" platform, all extend the life of the unit. XGEN is available in two channel (mono) or four channel (stereo), and can be configured to meet almost any requirement. All models include Ferrite erase heads, track select, modular cassette pockets, end-of-tape sensing, auto or manual operation, cleaning cycle, audible tone end-of-copy, and chrome tape copying option on select models (stereo models with XL or Ferrite heads). Jump start your day today with a new XGEN Series Cassette Duplicator!

YOUR CHOICE OF HEAD STYLES

Standard, XL or Ferrite

XGEN gives you the flexibility to choose the head that is right for your requirements.

Standard: The quality standard grade head is designed for normal production levels, and provides good frequency response and crosstalk rejection characteristics.

For heavy duty/high volume applications, we have two options:

XL: The XL head offers long life with exceptional audio response and channel separation (crosstalk rejection).

Ferrite: The Ferrite head provides good general audio properties and excellent head life.

In general, if your highest priority is audio quality, XL is your best choice; if your primary concern is head wear, select the Ferrite head.

Recommended Tape Usage

Use only high quality cassette tapes with your XGEN system. Some inexpensive tapes can cause poor quality recordings and premature tape head wear. For Ferrite or XL models of XGEN, you can use either normal bias 120 μ s (Type I) or high bias (70 μ s CrO₂/Type II) types of cassettes. For Standard model XGEN duplicators, only normal bias cassettes can be used. You can use C-30, C-60 or C-90 cassettes, but C-120 cassettes are likely to break and thus are not recommended.

Metal (Type IV) tapes are not recommended.

Maximum Production Per Hour 16x

Tapes	C-30	C-60	C-90
3	133	69	48
7	310	160	113
11	434	251	177
15	592	343	241
19	750	434	306
23	907	526	370
27	1065	617	416
31	1223	709	477
35	1381	800	539
39	1539	891	601
43	1696	983	662
47	1854	1074	724
51	2012	1166	785
55	2170	1257	847
59	2328	1349	909

Maximum Production Per Hour 8x

Tapes	C-30	C-60	C-90
3	79	40	28
7	183	93	64
11	288	147	101
15	366	200	138
19	464	253	174
23	561	307	211
27	659	360	241
31	757	413	277
35	854	467	313
39	952	501	349
43	1049	553	385
47	1147	604	420
51	1245	656	456
55	1342	707	492
59	1440	759	528



1. Individual Rotary Audio Level Controls

Increases or decreases audio levels during copy translation.
Center detent position may be used if master tape is recorded to appropriate levels

2. Record Level LEDs

Bright LED indicators permit quick and accurate monitoring of recording level fluctuations

3. Short Tape Indicators

LEDs instantly identify incomplete copies by indicating when a copy tape stops before the original, due to jamming or short tapes

4. Side Select

Permits duplication of either one side or both sides of a cassette at once. To activate, press and hold the "Side Select" button for 2 seconds

5. Auto/Manual

Switches rewind/copy operation from auto to manual or vice versa

6. Rewind

Rewinds tape to the beginning either automatically or manually

7. Stop

Instantly stops tape at any point during copy or rewind cycle

8. Copy

Copy in two modes:
Automatically (initiates entire rewind/copying/rewind sequence) or
Manually (begins copying when button is pressed)

A D D I T I O N A L F E A T U R E S

Cleaning Switch

Press and hold "Stop" (#7) then press "Copy" (#8)

Linking Two Master Stations Together

To activate slave mode in a master station, press and hold the "Stop" button (#7) and then press and hold the "Side Select" button (#4) for two seconds. To deactivate slave mode turn the power off by flipping the power switch on the back of the unit.