

Warner Music Group Corporation

Momentum likely to continue into F1Q

Reiterate Rating: NEUTRAL | PO: 36.00 USD | Price: 34.55 USD

F1QE preview: Growth in streaming and investments

We expect Warner Music's (WMG) F1Q24E results to reflect a generally improving streaming outlook on a like for like basis (ex. BMG), due to building impact of a strong release schedule in 2HFY23, easier comps, and the partial quarter impact of SPOT's recent price increase (improving subscription streaming revenue). We anticipate this will drive FY1Q Recorded Music digital streaming revenues to 9.9% y/y (vs. 9.6% in FY4Q). By segment, we forecast 11% revenue growth in Recorded music to \$1.38bn and 14% growth in Music Publishing to \$286mn. Notably, these positive top line dynamics are being counterbalanced by increased investment spending, particularly in A&R ahead of a more robust 2H release slate.

Investing for the next decade

It was recently reported WMG CEO Robert Kyncl stated this will be "the year of the Next 10" underscoring the dynamic nature of the industry, the underlying opportunity and required investments to capitalize. We believe this will drive investment across several areas including in Artists, particularly catalogs to "smooth out" the impact of release slates, along with technology and a heavier reliance on data to improve artist and capital allocation decision. WMG hopes these investments will enable the company to exceed industry growth while improving the underlying margin and cash flow trajectory of the company. We look for the company to provide more specific details on the magnitude and progress of these investments over the next several quarters.

We tweak F1Q and FY24 estimates

We raise our F1Q24E revenue to \$1.66bn (vs. \$1.65bn prev.) but keep our adj. OIBDA estimates of \$434mn unchanged, reflecting higher physical revenues offset by modestly lower recorded music digital streaming revenue. We raise FY24E revenue to \$6.4bn (from \$6.39bn prev) but keep our adj. OIBDA estimate of \$1.45bn unchanged.

Reiterate Neutral and \$36 PO

We remain bullish on the longer-term growth potential in music and see several drivers including price increases at DSPs and new emerging streaming deals. This is offset by the continued (albeit moderating) headwinds in ad-supported streaming and increased investments in technology and A&R. Reiterate Neutral as in our view the risk/reward remains balanced for WMG.

Estimates (Sep) (US\$)	2022A	2023A	2024E	2025E	2026E
EPS	1.14	0.97	1.51	1.56	1.79
EPS Change (YoY)	54.1%	-14.9%	55.7%	3.3%	14.7%
Consensus EPS (Bloomberg)			1.34	1.46	1.69
DPS	0.62	0.65	0.69	0.74	0.78
Valuation (Sep)					
P/E	30.3x	35.6x	22.9x	22.1x	19.3x
Dividend Yield	1.8%	1.9%	2.0%	2.1%	2.3%
EV / EBITDA*	17.5x	16.3x	13.9x	13.5x	12.2x
Free Cash Flow Yield*	3.4%	4.0%	4.2%	4.5%	5.3%
* For full definitions of <i>IQ</i> method SM measures, see page 7.					

BofA Securities does and seeks to do business with issuers covered in its research reports. As a result, investors should be aware that the firm may have a conflict of interest that could affect the objectivity of this report. Investors should consider this report as only a single factor in making their investment decision.

Refer to important disclosures on page 8 to 10. Analyst Certification on page 6. Price Objective Basis/Risk on page 6.

10 January 2024

Equity

Key Changes		
(US\$)	Previous	Current
2024E Rev (m)	6,389.6	6,399.5
2025E Rev (m)	6,644.1	6,644.4
2026E Rev (m)	7,117.2	7,117.5
2025E EBITDA (m)	1,490.1	1,490.2

Jessica Reif Ehrlich

Research Analyst BofAS

+1 646 855 2921 jessica.reif@bofa.com

Brent Navon, CFA

Research Analyst BofAS +1 646 855 3827 brent.navon@bofa.com

David Plaus Research Analyst

BofAS +1 646 855 1572 david.plaus@bofa.com

Stock Data

Price	34.55 USD
Price Objective	36.00 USD
Date Established	9-Aug-2023
Investment Opinion	B-2-7
52-Week Range	23.62 USD - 38.76 USD
Mrkt Val (mn) / Shares Out	17,650 USD / 510.9
(mn)	
Free Float	91.8%
Average Daily Value (mn)	50.72 USD
BofA Ticker / Exchange	WMG / NAS
Bloomberg / Reuters	WMG US / WMG.OQ
ROE (2024E)	133.3%
Net Dbt to Eqty (Sep-2023A)	774.6%
ESGMeter™	High

ESGMeter is not indicative of a company's future stock price performance and is not an investment recommendation or rating. ESGMeter is independent of BofA Global Research's equity investment rating, volatility risk rating, income rating, and price objective for that company. For full details, refer to "BofA ESGMeter Methodology".

DSP = Digital Service Provider

BMG = BMG Rights Management

A&R = Artists and repertoire

iQprofile[™] Warner Music Group Corporation

- Cprojite traities		O. O O. P	9 9 . P	0.0.0.0	
iQmethod [™] – Bus Performance*					
(US\$ Millions)	2022A	2023A	2024E	2025E	2026E
Return on Capital Employed	15.6%	15.1%	17.9%	16.8%	17.1%
Return on Equity	608.5%	189.5%	133.3%	70.9%	53.0%
Operating Margin	12.1%	13.1%	18.4%	18.3%	22.1%
Free Cash Flow	607	708	749	802	931
Qmethod [™] – Quality of Earnings*					
(US\$ Millions)	2022A	2023A	2024E	2025E	2026E
Cash Realization Ratio	1.3x	1.9x	1.1x	1.1x	1.1x
Asset Replacement Ratio	0.5x	0.5x	0.6x	0.5x	0.5x
Tax Rate	25.0%	28.0%	25.0%	25.0%	25.0%
Net Debt-to-Equity Ratio	1,885.0%	774.6%	307.6%	174.0%	101.6%
Interest Cover	7.1x	7.0x	9.1x	9.3x	10.5x
Income Statement Data (Sep)					
(US\$ Millions)	2022A	2023A	2024E	2025E	2026E
Sales	5,919	6,037	6,399	6,644	7,117
% Change	11.7%	2.0%	6.0%	3.8%	7.1%
Gross Profit	2,839	2,901	3,084	3,232	3,482
% Change	10.9%	2.2%	6.3%	4.8%	7.7%
EBITDA	1,148	1,235	1,449	1,490	1,649
% Change	12.7%	7.5%	17.4%	2.8%	10.6%
Net Interest & Other Income	(145)	(382)	(210)	(210)	(211)
Net Income (Adjusted)	551	433	774	804	923
% Change	82.1%	-21.4%	78.9%	3.9%	14.7%
Free Cash Flow Data (Sep)					
(US\$ Millions)	2022A	2023A	2024E	2025E	2026E
Net Income from Cont Operations (GAAP)	555	438	779	809	928
Depreciation & Amortization	263	245	200	200	200
Change in Working Capital	(81)	(53)	(172)	(180)	(171)
Deferred Taxation Charge	NA	NA	NA	NA	NA
Other Adjustments, Net	5	205	72	72	73
Capital Expenditure	(135)	(127)	(130)	(100)	(100)
Free Cash Flow	607	708	749	802	931
% Change	11.4%	16.6%	5.8%	7.1%	16.0%
Share / Issue Repurchase	529	149	(20)	0	0
Cost of Dividends Paid	(318)	(335)	(357)	(379)	(401)
Change in Debt	0	0	0	5	5
Balance Sheet Data (Sep)					
(US\$ Millions)	2022A	2023A	2024E	2025E	2026E
Cash & Equivalents	584	641	875	1,219	1,668
Trade Receivables	984	1,120	911	1,015	1,224
Other Current Assets	571	641	714	772	820
Property, Plant & Equipment	415	458	516	544	571
Other Non-Current Assets	5,274	5,685	5,754	5,829	5,913
Total Assets	7,828	8,545	8,770	9,379	10,195
Short-Term Debt	0	0	0	5	2.500
Other Current Liabilities	3,368	3,539	3,294	3,345	3,509
Long-Term Debt	3,732	3,964	3,886	3,886	3,886
Other Non-Current Liabilities	560	612	612	612	612
Total Liabilities	7,660	8,115	7,792	7,848	8,012
Total Equity	167	429	979	1,536	2,189
Total Equity & Liabilities	7,827	8,544	8,770	9,384	10,200

Company Sector

Music

Company Description

Warner Music Group (WMG) is a leading music entertainment company and owner of major record labels, including Atlantic Records, Warner Records, Elektra Records and Parlophone Records. The company's Recorded Music business is home to many of the world's most popular and influential recording artists. Warner Chappell Music, WMG's music publishing business, represents works by over 80,000 songwriters and composers with a collection of more than 1.4 million music compositions.

Investment Rationale

We rate WMG Neutral. While we remain bullish on long-term growth potential in music & heading into FY24, we believe the risk/reward remains balanced. We believe street expectations are appropriately calibrated for a reacceleration in streaming growth. We see several upcoming catalysts which have the potential to drive upside relative to our estimates including emerging streaming deal renewals & price increases at DSPs.

Stock Data

Average Daily Volume 1,468,014

Quarterly Earnings Estimates

	2023	2024
Q1	0.23A	0.48E
Q2	0.20A	0.32E
Q3	0.24A	0.33E
04	0.29A	0.37E



Exhibit 1: WMG – Variance TableWe maintain F1Q24E Adj. OIBDA of \$434mn

Current Quarter Current Year Est. Old Est. Old Act Act Fiscal Year Ends 09/30 F1023A F1024E F1Q24E Y/Y D F2023A F2024E F2024E Y/Y D WMG: Actuals & BofA Estimates Revenue By Type 9% 10% 11% \$3,524 \$3,534 10% \$780 \$857 \$867 (\$10)\$3,223 (\$10)Digital Streaming \$16 -30% \$16 -30% \$0 \$69 -30% \$69 -30% \$0 Digital Downloads & Other \$23 \$99 -19% Physical \$133 \$128 -4% \$108 \$20 \$507 \$431 -15% \$411 -19% \$20 Artists services & expanded rights \$206 \$207 1% \$207 1% \$0 \$744 \$750 1% \$750 1% \$0 Licensing \$97 \$172 77% \$172 77% \$0 \$382 \$470 23% \$470 23% \$0 \$1,239 \$1,380 11% \$1,370 11% \$10 \$4,955 \$5,244 6% \$5,234 \$10 **Total Recorded Music Revenues** 6% \$146 \$185 27% \$185 27% \$0 \$656 \$745 14% \$745 14% \$0 Digital streaming Digital downloads & other \$3 \$2 -25% \$2 -25% \$0 \$13 \$9 -30% \$9 -30% \$0 \$14 \$10 -28% \$10 -28% \$45 \$0 Mechanical \$0 \$63 \$45 -28% -28% 2% Performance \$45 \$0 \$173 \$176 \$0 \$46 2% \$46 2% \$176 2% Synchronization \$39 \$40 3% \$40 3% \$0 \$167 \$178 6% \$178 6% \$0 \$3 -38% -38% \$0 -54% \$0 Other \$2 \$2 \$16 \$7 \$7 -54% **Total Music Publishing Revenues** \$250 \$286 14% \$286 14% \$0 \$1,088 \$1,161 7% \$1,161 **7**% \$0 Intersegment Eliminations (\$1)(\$1)NM (\$1)NM \$0 (\$6)(\$5)-9% (\$5)-9% \$0 11% 6% \$6.390 6% \$10 **Total Revenue** \$1,488 \$1,664 12% \$1,654 \$10 \$6.037 \$6.399 Adj. OIBDA By Segment 30% Recorded Music OIBDA \$299 \$387 30% \$387 (\$0)\$1,093 \$1,272 16% \$1,272 16% (\$0)% Margin 24.1% 28.1% 28.3% -0.2% 22.1% 24.2% 24.3% 0.0% Music Publishing OIBDA \$72 \$84 16% \$84 16% \$0 \$296 \$326 10% \$326 10% \$0 28.8% 29.3% 29.3% 0.0% 27.2% 0.0% % Marain 28.1% 28.1% Corporate OIBDA (\$154)(\$149)(\$149) \$0 (\$36)(\$37)(\$37)\$0 3% Total Adj. OIBDA \$335 \$434 **29**% \$434 **29**% (\$0) \$1,235 \$1,449 17% \$1,449 **17**% (\$0) 22.5% -0.2% 20.5% 22.7% 0.0% % Margin 26.1% 26.2% 22.6% SEC OIBDA \$349 \$434 24% \$434 24% (\$0) \$1.122 \$1,449 29% \$1,449 29% (SO) Cost of Revenue \$720 \$862 20% \$854 19% \$7 \$3,136 \$3,316 6% \$3,308 5% \$7 \$387 \$384 -9% \$1,703 SG&A Expense \$440 -12% -13% \$3 \$1,706 -9% \$3 \$1,867 Amortization Expense \$63 \$50 -20% \$50 -20% \$0 \$245 \$200 -18% \$200 -18% \$0 38% \$1.177 \$1.177 **Operating Income** \$265 \$366 \$366 38% (\$0) \$789 49% 49% (\$0)% Margin 17.8% 22.0% 22.1% -0.1% 13.1% 18.4% 18.4% \$774 125% \$247 \$552 (\$0) Adj. Net Income \$110 \$247 125% (\$0) \$774 40% 40% 109% Adj. EPS \$0.23 \$0.48 \$0.48 109% (\$0.00) \$0.97 \$1.51 **56**% \$1.51 **56**% (\$0.00)\$188 \$234 24% \$234 24% (\$0) \$560 \$748 33% \$748 (\$0) Free Cash Flow 33%

Source: BofA Global Research estimates

BofA GLOBAL RESEARCH



Exhibit 2: WMG - Income Statement

We maintain FY24E Adj. OIBDA of \$1,449mn

2023 2024 Fiscal Year Ends 09/30 FY2021A FY2022A 01A Q2A 03A Q4A FY2023A 01E 02E 03E Q4E FY2024E FY2025E FY2026E Warner Music Group: Income Statement Revenue By Segment \$1,282 \$5,244 \$4966 \$1143 \$4955 \$1.210 \$1,327 \$1,327 \$5392 \$5,754 Recorded Music \$4,544 \$1,239 \$1,291 \$1380 Music Publishing \$761 \$958 \$250 \$257 \$283 \$298 \$1,088 \$286 \$277 \$287 \$311 \$1,161 \$1,258 \$1,369 (\$3) Intersegment Elims. (\$5) (\$1)(\$1) (\$1) (\$6 (\$1)(\$1) (\$1) (\$1) (\$5) (\$5) \$6,644 **TOTAL Revenues** \$5,301 \$5,919 \$1,488 \$1,399 \$1,564 \$1,586 \$6,037 \$1,664 \$1,486 \$1,613 \$1,637 \$6,399 \$7,117 % Chg. (YOY) 18.8% 11.7% -7.8% 1.7% 9.2% 5.9% 2.0% 11.8% 6.2% 3.1% 3.2% 6.0% 3.8% 7.1% **TOTAL Gross Profit** \$2,559 \$2,841 \$785 \$3,084 \$3,232 \$3,482 \$727 \$677 \$714 \$742 \$2,860 \$736 \$760 483% 48.0% 48 9% 48.4% 45.7% 46.8% 48 2% 49 5% 48.0% 48 2% 48.6% 48 9% % Margin 47 4% 47 1% Total Adj. OIBDA Excl. 1x LTIP) \$1,019 \$1,148 \$335 \$286 \$297 \$317 \$1,235 \$434 \$324 \$334 \$358 \$1,449 \$1,490 \$1,649 % Chg. (YOY) 28.2% 12.7% -54% 44% 16 5% 19.4% 75% 29 5% 13 3% 12 4% 12 9% 17.4% 2.8% 10.6% 22.5% 19.0% 20.0% 21.8% 20.7% 23.2% % Margin 19.2% 19.4% 20.4% 20.5% 26.1% 21.9% 22.6% 22.4% SEC OIBDA \$915 \$1,053 \$349 \$207 \$275 \$291 \$1,122 \$434 \$324 \$334 \$358 \$1,449 \$1,490 \$1,649 Adj. EBITDA \$1,084 \$1.210 \$351 \$308 \$311 \$340 \$1.310 \$443 5333 5343 5367 \$1,485 \$1,526 \$1,685 % Chg. (YOY) 29.5% 11.6% -9.7% 9.2% 18.3% 23.0% 8.3% 26.0% 8.1% 10.2% 7.9% 13.4% 2.7% 10.4% 20.5% 20.4% 23.6% 22.0% 19.9% 21.4% 217% 26.6% 22.4% 213% 22.4% 23.2% 23.0% 23.7% % Margin Cost of Revenue \$2,742 \$3,080 \$845 \$749.5 \$851.8 \$3,316 \$3,636 \$720 \$721 \$850 \$3,136 \$861.6 \$852.9 \$3,412 SG&A Expense \$1,721 \$1,862 \$440 \$493 \$461 \$473 \$1,867 \$387 \$430 \$444 \$445 \$1,706 \$1,814 \$1,906 Amortization Expense \$263 \$63 \$245 \$50.1 \$50.1 \$50.1 \$50.1 \$200 \$200 \$200 \$714 \$1,375 \$609 \$265 \$124 \$189 \$211 \$789 \$366 \$256 \$266 \$290 \$1,177 \$1,217 Operating Income 12.9% -367.1% -25.3% % Chg. (YOY) 17.2% 10.9% 29.5% 29.4% 10.5% 38.0% 106.4% 40.6% 37.4% 49.2% 3.4% Loss On Debt Extinguishment \$24 \$0 \$0 \$0 \$4.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 SC SC SC Interest Expense, Net \$122 \$125 \$32 \$35 \$38 \$36 \$141 \$34.5 \$34.5 \$34.5 \$34.5 \$138 \$138 \$138 Other (Income) Expense Śς (\$151)\$61 \$31 (\$20.0)(\$36.0)536 \$0.0 \$0.0 \$0.0 \$0.0 SC SO SO Income (Loss) Before Income Taxes \$454 \$740 \$172 \$58 \$167 \$211 \$608 \$331 \$221 \$231 \$255 \$1,039 \$1,079 \$1,237 Tax Rate 32.8% 25.0% 27 9% 36.2% 25.7% 27 5% 28% 25% 25% 25% 25% 25% 25% 25% Income Tax Expense (Benefit) \$149 \$185 \$48 \$43 \$170 \$260 \$270 \$309 \$83 \$55 \$58 \$64 \$305 \$555 \$124 \$37 \$124 \$153 \$438 \$248 \$166 \$173 \$192 \$779 \$809 \$928 Net Income (Loss) Income Attributable To Noncontrolling Interest \$3 \$4 \$2 \$3 \$2 \$2 \$5 \$1 \$1 \$1 \$302 \$551 \$122 \$34 \$122 \$151 \$433 \$247 \$165 \$172 \$190 \$774 \$804 \$923 Net Income \$146 \$180 Adi. Net Income \$410 \$651 \$110 \$116 \$552 5247 \$165 \$172 \$190 \$774 \$804 \$923 % Chg. (YOY) -163.6% 82.1% -35% -63% -1% 2% -21.4% 103% 385% 41% 26% 78.9% 3.9% 14.7% Adi. EPS \$0.74 \$1.14 \$0.23 \$0.20 \$0.24 \$0.29 \$0.97 \$0.48 \$0.32 \$0.33 \$0.37 \$1.51 \$1.56 \$1.79 Diluted Shares Outstanding 514 514 514 514 514 514 514 514 514 514 514 514 514

Source: BofA Global Research estimates

BofA GLOBAL RESEARCH

Exhibit 3: WMG – FCF Statement We forecast \$748mn in FY24E FCF

				202	.3				202	4				
Fiscal Year Ends 09/30	FY2021A	FY2022A	Q1A	Q2A	Q3A	Q4A	FY2023A	Q1E	Q2E	Q3E	Q4E	FY2024E	FY2025E	FY2026E
Warner Music Group: Free Cash Flow	2021	2022	2023.1	2023.2	2023.3	2023.4	2023	2024.1	2024.2	2024.3	2024.4	2024	2025	2026
SEC OIBDA	\$915	\$1,053	\$349	\$207	\$275	\$291	\$1,122	\$434	\$324	\$334	\$358	\$1,449	\$1,490	\$1,649
- Taxes	\$112	\$146	\$38	\$17	\$34	\$46	\$134	\$83	\$55	\$58	\$64	\$260	\$270	\$309
- Interest	\$122	\$125	\$32	\$35	\$38	\$36	\$141	\$35	\$35	\$35	\$35	\$138	\$138	\$138
- Working Capital, SBC & Other	<u>\$43</u>	<u>\$40</u>	<u>\$70</u>	<u>\$161</u>	<u>\$57</u>	<u>(\$129)</u>	<u>\$160</u>	<u>\$50</u>	<u>\$100</u>	<u>\$50</u>	<u>(\$26)</u>	<u>\$174</u>	<u>\$179</u>	<u>\$170</u>
= Cash From Operations	\$638	\$742	\$209	(\$6)	\$146	\$338	\$687	\$266	\$134	\$191	\$286	\$878	\$903	\$1,031
- Capex	\$93	\$135	\$21	\$35	\$33	\$38	\$127	\$33	\$33	\$33	\$33	\$130	\$100	\$100
= Operating Free Cash Flow	\$545	\$607	\$188	(\$41)	\$113	\$300	\$560	\$234	\$102	\$159	\$253	\$748	\$803	\$931
% Chg. (YOY)	44.2%	NM	97.9%	-356.3%	-11.7%	-18.5%	-7.7%	24.4%	-347.9%	40.7%	-15.6%	33.5%	7.5%	15.9%
% of OIBDA Conversion	59.6%	57.6%	53.9%	-19.8%	41.1%	103.1%	49.9%	53.9%	31.4%	47.6%	70.7%	51.6%	53.9%	56.5%
= FCF/S	\$1.06	\$1.18	\$0.37	(\$0.08)	\$0.22	\$0.58	\$1.09	\$0.45	\$0.20	\$0.31	\$0.49	\$1.45	\$1.56	\$1.81
Leverage Ratios:														
Gross Debt	\$3,346	\$3,732	\$3,946	\$3,986	\$3,988	\$3,964	\$3,964	\$3,964	\$3,964	\$3,964	\$3,964	\$3,964	\$3,964	\$3,964
Net Debt	\$2,847	\$3,148	\$3,226	\$3,385	\$3,388	\$3,323	\$3,323	\$3,218	\$3,245	\$3,215	\$3,091	\$3,089	\$2,745	\$2,296
TTM Adj. OIBDA	\$1,019	\$1,148	\$1,129	\$1,141	\$1,183	\$1,235	\$1,235	\$1,334	\$1,372	\$1,409	\$1,449	\$1,449	\$1,490	\$1,649
Gross Debt/OIBDA TTM	3.7x	3.5x	3.5x	3.5x	3.4x	3.2x	3.5x	3.0x	2.9x	2.8x	2.7x	2.7x	2.7x	2.4x
Net Debt/OIBDA TTM	3.1x	3.0x	2.9x	3.0x	2.9x	2.7x	3.0x	2.4x	2.4x	2.3x	2.1x	2.1x	1.8x	1.4x

Source: BofA Global Research estimates

BofA GLOBAL RESEARCH

Price objective basis & risk

Warner Music Group Corporation (WMG)

Our \$36 price objective (PO) is based on approximately 14x CY24E OIBDA. This multiple represents an approximately 75% premium to our media and entertainment coverage universe given its better long term growth outlook.

Downside risks to our PO are that WMG loses market share to other major labels (Sony or Universal), independent labels or more artists go direct, deal structures with DSPs or artists become less favorable, and the streaming industry does not grow as quickly as anticipated.

Upside risks to our PO are that WMG gains market share, deal structures with DSPs or artists improve, leading to more favorable economics, and the streaming industry grows faster than anticipated, leading to better gross margins.

Analyst Certification

I, Jessica Reif Ehrlich, hereby certify that the views expressed in this research report accurately reflect my personal views about the subject securities and issuers. I also certify that no part of my compensation was, is, or will be, directly or indirectly, related to the specific recommendations or view expressed in this research report.

US - Cable, Entertainment and Satellite Coverage Cluster

Investment rating	Company	BofA Ticker	Bloomberg symbol	Analyst
BUY				
	Comcast Corp	CMCSA	CMCSA US	Jessica Reif Ehrlich
	Endeavor Group Holdings, Inc.	EDR	EDR US	Jessica Reif Ehrlich
	Madison Square Garden Entertainment	MSGE	MSGE US	Peter Henderson
	Netflix, Inc.	NFLX	NFLX US	Jessica Reif Ehrlich
	Spotify Technology	SPOT	SPOT US	Jessica Reif Ehrlich
	Walt Disney Co.	DIS	DIS US	Jessica Reif Ehrlich
	Warner Bros. Discovery	WBD	WBD US	Jessica Reif Ehrlich
NEUTRAL				
	Charter Communications	CHTR	CHTR US	Jessica Reif Ehrlich
	Fox Corporation	FOXA	FOXA US	Jessica Reif Ehrlich
	Fox Corporation	FOX	FOX US	Jessica Reif Ehrlich
	Sirius XM Radio Inc	SIRI	SIRI US	Jessica Reif Ehrlich
	Warner Music Group Corporation	WMG	WMG US	Jessica Reif Ehrlich
JNDERPERFORM				
	Altice USA, Inc.	ATUS	ATUS US	Jessica Reif Ehrlich
	iHeartMedia, Inc.	IHRT	IHRT US	Jessica Reif Ehrlich
	Paramount Global	PARA	PARA US	Jessica Reif Ehrlich
RSTR				
	Liberty SiriusXM Group	LSXMA	LSXMA US	Jessica Reif Ehrlich
	Liberty SiriusXM Group	LSXMK	LSXMK US	Jessica Reif Ehrlich
	- '			



Qmethod ³⁴ Measures Definitions

Business Performance	Numerator	Denominator
Return On Capital Employed	NOPAT = (EBIT + Interest Income) \times (1 - Tax Rate) + Goodwill Amortization	Total Assets – Current Liabilities + ST Debt + Accumulated Goodwill
		Amortization
Return On Equity	Net Income	Shareholders' Equity
Operating Margin	Operating Profit	Sales
Earnings Growth	Expected 5 Year CAGR From Latest Actual	N/A
Free Cash Flow	Cash Flow From Operations — Total Capex	N/A
Quality of Earnings	Numerator	Denominator
Cash Realization Ratio	Cash Flow From Operations	Net Income
Asset Replacement Ratio	Capex	Depreciation
Tax Rate	Tax Charge	Pre-Tax Income
Net Debt-To-Equity Ratio	Net Debt = Total Debt — Cash & Equivalents	Total Equity
Interest Cover	EBIT	Interest Expense
Valuation Toolkit	Numerator	Denominator
Price / Earnings Ratio	Current Share Price	Diluted Earnings Per Share (Basis As Specified)
Price / Book Value	Current Share Price	Shareholders' Equity / Current Basic Shares
Dividend Yield	Annualised Declared Cash Dividend	Current Share Price
Free Cash Flow Yield	Cash Flow From Operations – Total Capex	Market Cap = Current Share Price × Current Basic Shares
Enterprise Value / Sales	EV = Current Share Price × Current Shares + Minority Equity + Net Debt +	Sales

EV / EBITDA Enterprise Value Basic EBIT + Depreciation + Amortization

Monethod* Busic EBIT + Depreciation + Amortization

Monethod Busic EBIT + Bus

Redatabase is our real-time global research database that is sourced directly from our equity analysts' earnings models and includes forecasted as well as historical data for income statements, balance sheets, and cash flow statements for companies covered by BofA Global Research.

IQprofile SM, IQmethod SM are service marks of Bank of America Corporation. IQdatabase is a registered service mark of Bank of America Corporation.

Other LT Liabilities

Disclosures

Important Disclosures

Warner Music (WMG) Price Chart



B: Buy, N: Neutral, U: Underperform, PO: Price Objective, NA: No longer valid, NR: No Rating

The Investment Opinion System is contained at the end of the report under the heading "Fundamental Equity Opinion Key". Dark grey shading indicates the security is restricted with the opinion suspended. Medium grey shading indicates the security is under review with the opinion withdrawn. Light grey shading indicates the security is not covered. Chart is current as of a date no more than one trading day prior to the date of the report.

Equity Investment Rating Distribution: Media & Entertainment Group (as of 31 Dec 2023)

Coverage Universe	Count	Percent	Inv. Banking Relationships R1	Count	Percent
Buy	35	53.85%	Buy	15	42.86%
Hold	15	23.08%	Hold	8	53.33%
Sell	15	23.08%	Sell	7	46.67%

Equity Investment Rating Distribution: Global Group (as of 31 Dec 2023)

Coverage Universe	Count	Percent	Inv. Banking Relationships R1	Count	Percent
Buy	1895	53.62%	Buy	1083	57.15%
Hold	832	23.54%	Hold	454	54.57%
Sell	807	22.84%	Sell	383	47.46%

¹⁸ Issuers that were investment banking dients of BofA Securities or one of its affiliates within the past 12 months. For purposes of this Investment Rating Distribution, the coverage universe includes only stocks. A stock rated Neutral is included as a Hold, and a stock rated Underperform is included as a Sell.

FUNDAMENTAL EQUITY OPINION KEY: Opinions include a Volatility Risk Rating, an Investment Rating and an Income Rating. VOLATILITY RISK RATINGS, indicators of potential price fluctuation, are: A - Low, B - Medium and C - High. INVESTMENT RATINGS reflect the analyst's assessment of both a stock's absolute total return potential as well as its attractiveness for investment relative to other stocks within its Coverage Cluster (defined below). Our investment ratings are: 1 - Buy stocks are expected to have a total return of at least 10% and are the most attractive stocks in the coverage cluster, 2 - Neutral stocks are expected to remain flat or increase in value and are less attractive than Buy rated stocks and 3 - Underperform stocks are the least attractive stocks in a coverage cluster. An investment rating of 6 (No Rating) indicates that a stock is no longer trading on the basis of fundamentals. Analysts assign investment ratings considering, among other things, the 0-12 month total return expectation for a stock and the firm's guidelines for ratings dispersions (shown in the table below). The current price objective for a stock should be referenced to better understand the total return expectation at any given time. The price objective reflects the analyst's view of the potential price appreciation (depreciation).

Investment rating	Total return expectation (within 12-month period of date of initial rating)	Ratings dispersion guidelines for coverage cluster ^{R2}
Buy	≥ 10%	≤ 70%
Neutral	≥ 0%	≤ 30%

Ratings dispersions may vary from time to time where BofA Global Research believes it better reflects the investment prospects of stocks in a Coverage Cluster.

INCOME RATINGS, indicators of potential cash dividends, are: 7 - same/higher (dividend considered to be secure), 8 - same/lower (dividend not considered to be secure) and 9 - pays no cash dividend. Coverage Cluster is comprised of stocks covered by a single analyst or two or more analysts sharing a common industry, sector, region or other classification(s). A stock's coverage cluster is included in the most recent BofA Global Research report referencing the stock.

Price Charts for the securities referenced in this research report are available on the Price Charts website, or call 1-800-MERRILL to have them mailed.

N/A

BofAS or one of its affiliates acts as a market maker for the equity securities recommended in the report: Warner Music.

The issuer is or was, within the last 12 months, an investment banking client of BofAS and/or one or more of its affiliates: Warner Music.

BofAS or an affiliate has received compensation from the issuer for non-investment banking services or products within the past 12 months: Warner Music.

The issuer is or was, within the last 12 months, a non-securities business client of BofAS and/or one or more of its affiliates: Warner Music.

BofAS or an affiliate has received compensation for investment banking services from this issuer within the past 12 months: Warner Music.

BofAS or an affiliate expects to receive or intends to seek compensation for investment banking services from this issuer or an affiliate of the issuer within the next three months: Warner

BofAS or one of its affiliates is willing to sell to, or buy from, clients the common equity of the issuer on a principal basis: Warner Music.

The issuer is or was, within the last 12 months, a securities business client (non-investment banking) of BofAS and/or one or more of its affiliates: Warner Music.



Underperform

≥ 20%

BofA Global Research personnel (including the analyst(s) responsible for this report) receive compensation based upon, among other factors, the overall profitability of Bank of America Corporation, including profits derived from investment banking. The analyst(s) responsible for this report may also receive compensation based upon, among other factors, the overall profitability of the Bank's sales and trading businesses relating to the class of securities or financial instruments for which such analyst is responsible.

Other Important Disclosures

From time to time research analysts conduct site visits of covered issuers. BofA Global Research policies prohibit research analysts from accepting payment or reimbursement for travel expenses from the issuer for such visits.

Prices are indicative and for information purposes only. Except as otherwise stated in the report, for any recommendation in relation to an equity security, the price referenced is the publicly traded price of the security as of close of business on the day prior to the date of the report or, if the report is published during intraday trading, the price referenced is indicative of the traded price as of the date and time of the report and in relation to a debt security (including equity preferred and CDS), prices are indicative as of the date and time of the report and are from various sources including BofA Securities trading desks.

The date and time of completion of the production of any recommendation in this report shall be the date and time of dissemination of this report as recorded in the report timestamp.

Recipients who are not institutional investors or market professionals should seek the advice of their independent financial advisor before considering information in this report in connection with any investment decision, or for a necessary explanation of its contents.

Officers of BofAS or one or more of its affiliates (other than research analysts) may have a financial interest in securities of the issuer(s) or in related investments.

Refer to BofA Global Research policies relating to conflicts of interest.

"BofA Securities" includes BofA Securities, Inc. ("BofAS") and its affiliates. Investors should contact their BofA Securities representative or Merrill Global Wealth Management financial advisor if they have questions concerning this report or concerning the appropriateness of any investment idea described herein for such investor. "BofA Securities" is a global brand for BofA Global Research.

Information relating to Non-US affiliates of BofA Securities and Distribution of Affiliate Research Reports:

BofAS and/or Merrill Lynch, Pierce, Fenner & Smith Incorporated ("MLPF&S") may in the future distribute, information of the following non-US affiliates in the US (short name: legal name, regulator): Merrill Lynch (South Africa): Merrill Lynch South Africa (Pty) Ltd., regulated by The Financial Service Board; MLI (UK): Merrill Lynch International, regulated by the Financial Conduct Authority (FCA) and the Prudential Regulation Authority (PRA); BofASE (France): BofA Securities Europe SA is authorized by the Autorité de Contrôle Prudential et de Résolution (ACPR) and regulated by the ACPR and the Autorité des Marchés Financiers (AMF). BofA Securities Europe SA ("BofASE") with registered address at 51, rue La Boétie, 75008 Paris is registered under no 842 602 690 RCS Paris. In accordance with the provisions of French Code Monétaire et Financier (Monetary and Financial Code), BofASE is an établissement de crédit et d'investissement (credit and investment institution) that is authorised and supervised by the European Central Bank and the Autorité de Contrôle Prudentiel et de Résolution (ACPR) and regulated by the ACPR and the Autorité des Marchés Financiers. BofASE's share capital can be found at www.bofaml.com/BofASEdisclaimer; BofA Europe (Milan): Bank of America Europe Designated Activity Company, Milan Branch, regulated by the Bank of Italy, the European Central Bank (ECB) and the Central Bank of Ireland (CBI); BofA Europe (Frankfurt): Bank of America Europe Designated Activity Company, Frankfurt Branch regulated by BaFin, the ECB and the CBI; BofA Europe (Madrid): Bank of America Europe Designated Activity Company, Sucursal en España, regulated by the Bank of Spain, the ECB and the CBI; Merrill Lynch (Australia): Merrill Lynch (Australia): Merrill Lynch (Hong Kong): Merrill (Asia Pacific) Limited, regulated by the Hong Kong Securities and Futures Commission (HKSFC); Merrill Lynch (Singapore): Merrill Lynch (Singapore) Pte Ltd, regulated by the Monetary Authority of Singapore (MAS); Merrill Lynch (Canada): Merrill Lynch (Canada): Merrill Lynch (Canada): Merrill Lynch (Mexico): Merrill Ly de Bolsa, regulated by the Comisión Nacional Bancaría y de Valores; Merrill Lynch (Argentina): Merrill Lynch Argentina SA, regulated by Comisión Nacional de Valores; BofAS Japan: BofA Securities Japan Co., Ltd., regulated by the Financial Services Agency; Merrill Lynch (Seoul): Merrill Lynch International, LLC Seoul Branch, regulated by the Financial Supervisory Service; Merrill Lynch (Taiwan): Merrill Lynch Securities (Taiwan) Ltd., regulated by the Securities and Futures Bureau; BofAS India: BofA Securities India Limited, regulated by the Securities and Exchange Board of India (SEBI); Merrill Lynch (Israel): Merrill Lynch (Israel): Merrill Lynch (Israel): Merrill Lynch (International (DIFC Branch), regulated by the Dubai Financial Services Authority (DFSA); Merrill Lynch (Brazil): Merrill Lynch S.A. Corretora de Títulos e Valores Mobiliários, regulated by Comissão de Valores Mobiliários; Merrill Lynch KSA Company: Merrill Lynch Kingdom of Saudi Arabia Company, regulated by the Capital Market Authority.

This information: has been approved for publication and is distributed in the United Kingdom (UK) to professional clients and eligible counterparties (as each is defined in the rules of the FCA and the PRA) by MLI (UK), which is authorized by the PRA and regulated by the FCA and the PRA - details about the extent of our regulation by the FCA and PRA are available from us on request; has been approved for publication and is distributed in the European Economic Area (EEA) by BofASE (France), which is authorized by the ACPR and regulated by the ACPR and the AMF; has been considered and distributed in Japan by BofAS Japan, a registered securities dealer under the Financial Instruments and Exchange Act in Japan, or its permitted affiliates; is issued and distributed in Hong Kong by Merrill Lynch (Hong Kong) which is regulated by HKSFC; is issued and distributed in Taiwan by Merrill Lynch (Taiwan); is issued and distributed in Singapore to institutional investors and/or accredited investors (each as defined under the Financial Advisers Regulations) by Merrill Lynch (Singapore) (Company Registration No 198602883D). Merrill Lynch (Singapore) is regulated by MAS. Merrill Lynch Equities (Australia) Limited (ABN 65 006 276 795), AFS License 235132 (MLEA) distributes this information in Australia only to 'Wholesale' clients as defined by s.761G of the Corporations Act 2001. With the exception of Bank of America N.A., Australia Branch, neither MLEA nor any of its affiliates involved in preparing this information is an Authorised Deposit-Taking Institution under the Banking Act 1959 nor regulated by the Australian Prudential Regulation Authority. No approval is required for publication or distribution of this information in Brazil and its local distribution is by Merrill Lynch (Brazil) in accordance with applicable regulations. Merrill Lynch (DIFC) is authorized and regulated by the DFSA. Information prepared and issued by Merrill Lynch (DIFC) is done so in accordance with the requirements of the DFSA conduct of business rul

This information has been prepared and issued by BofAS and/or one or more of its non-US affiliates. The author(s) of this information may not be licensed to carry on regulated activities in your jurisdiction and, if not licensed, do not hold themselves out as being able to do so. BofAS and/or MLPF&S is the distributor of this information in the US and accepts full responsibility for information distributed to BofAS and/or MLPF&S clients in the US by its non-US affiliates. Any US person receiving this information and wishing to effect any transaction in any security discussed herein should do so through BofAS and/or MLPF&S and not such foreign affiliates. Hong Kong recipients of this information should contact Merrill Lynch (Asia Pacific) Limited in respect of any matters relating to dealing in securities or provision of specific advice on securities or any other matters arising from, or in connection with, this information. Singapore Pte Ltd in respect of any matters arising from, or in connection with, this information. For clients that are not accredited investors, expert investors or institutional investors Merrill Lynch (Singapore) Pte Ltd accepts full responsibility for the contents of this information distributed to such clients in Singapore.

General Investment Related Disclosures:

Taiwan Readers: Neither the information nor any opinion expressed herein constitutes an offer or a solicitation of an offer to transact in any securities or other financial instrument. No part of this report may be used or reproduced or quoted in any manner whatsoever in Taiwan by the press or any other person without the express written consent of BofA Securities. This document provides general information only, and has been prepared for, and is intended for general distribution to, BofA Securities clients. Neither the information nor any opinion expressed constitutes an offer or an invitation to make an offer, to buy or sell any securities or other financial instrument or any derivative related to such securities or instruments (e.g., options, futures, warrants, and contracts for differences). This document is not intended to provide personal investment advice and it does not take into account the specific investment objectives, financial situation and the particular needs of, and is not directed to, any specific person(s). This document and its content do not constitute, and should not be considered to constitute, investment advice for purposes of ERISA, the US tax code, the Investment Advisers Act or otherwise. Investors should seek financial advice regarding the appropriateness of investing in financial instruments and implementing investment strategies discussed or recommended in this document and should understand that statements regarding future prospects may not be realized. Any decision to purchase or subscribe for securities in any offering must be based solely on existing public information on such security or the information in the prospectus or other offering document issued in connection with such offering, and not on this document.

Securities and other financial instruments referred to herein, or recommended, offered or sold by BofA Securities, are not insured by the Federal Deposit Insurance Corporation and are not deposits or other obligations of any insured depository institution (including, Bank of America, N.A.). Investments in general and, derivatives, in particular, involve numerous risks, including,



among others, market risk, counterparty default risk and liquidity risk. No security, financial instrument or derivative is suitable for all investors. Digital assets are extremely speculative, volatile and are largely unregulated. In some cases, securities and other financial instruments may be difficult to value or sell and reliable information about the value or risks related to the security or financial instrument may be difficult to obtain. Investors should note that income from such securities and other financial instruments, if any, may fluctuate and that price or value of such securities and instruments may rise or fall and, in some cases, investors may lose their entire principal investment. Past performance is not necessarily a guide to future performance. Levels and basis for taxation may change.

This report may contain a short-term trading idea or recommendation, which highlights a specific near-term catalyst or event impacting the issuer or the market that is anticipated to have a short-term price impact on the equity securities of the issuer. Short-term trading ideas and recommendations are different from and do not affect a stock's fundamental equity rating, which reflects both a longer term total return expectation and attractiveness for investment relative to other stocks within its Coverage Cluster. Short-term trading ideas and recommendations may be more or less positive than a stock's fundamental equity rating.

BofA Securities is aware that the implementation of the ideas expressed in this report may depend upon an investor's ability to "short" securities or other financial instruments and that such action may be limited by regulations prohibiting or restricting "shortselling" in many jurisdictions. Investors are urged to seek advice regarding the applicability of such regulations prior to executing any short idea contained in this report.

Foreign currency rates of exchange may adversely affect the value, price or income of any security or financial instrument mentioned herein. Investors in such securities and instruments, including ADRs, effectively assume currency risk.

BofAS or one of its affiliates is a regular issuer of traded financial instruments linked to securities that may have been recommended in this report. BofAS or one of its affiliates may, at any time, hold a trading position (long or short) in the securities and financial instruments discussed in this report.

BofA Securities, through business units other than BofA Global Research, may have issued and may in the future issue trading ideas or recommendations that are inconsistent with, and reach different conclusions from, the information presented herein. Such ideas or recommendations may reflect different time frames, assumptions, views and analytical methods of the persons who prepared them, and BofA Securities is under no obligation to ensure that such other trading ideas or recommendations are brought to the attention of any recipient of this information. In the event that the recipient received this information pursuant to a contract between the recipient and BofAS for the provision of research services for a separate fee, and in connection therewith BofAS may be deemed to be acting as an investment adviser, such status relates, if at all, solely to the person with whom BofAS has contracted directly and does not extend beyond the delivery of this report (unless otherwise agreed specifically in writing by BofAS). If such recipient uses the services of BofAS in connection with the sale or purchase of a security referred to herein, BofAS may act as principal for its own account or as agent for another person. BofAS is and continues to act solely as a broker-dealer in connection with the execution of any transactions, including transactions in any securities referred to herein.

BofA ESGMeter Methodology:

ESGMeter is a proprietary metric based on quantitative analysis and fundamental analyst inputs that reflects our assessment of a company's Environmental, Social and Governance-related attributes. The ESGMeter is intended to indicate a company's likelihood of experiencing stronger financial stability (higher return on equity and lower earnings and price volatility) over the next three years relative to peer group. There are three ESGMeter levels - Low, Medium, and High - which indicate whether a company has attributes most likely to translate into superior financial stability (in the case of a High level) or weaker financial stability (in the case of a Low level) over the next three years relative to its peer group. A Medium level suggests that a company exhibits ESG characteristics that are likely associated with financial stability results in line with its peer group over the next three years. Full details of our methodology, financial stability definition and disclaimers are available at BofA ESGMeter methodology. ESGMeter is not indicative of a company's future stock price performance and is not an investment recommendation or rating. ESGMeter is independent of the BofA Global Research fundamental equity analyst's investment rating, volatility risk rating, income rating or price objective for that company.

Copyright and General Information:

Copyright 2024 Bank of America Corporation. All rights reserved. iQdatabase® is a registered service mark of Bank of America Corporation. This information is prepared for the use of BofA Securities clients and may not be redistributed, retransmitted or disclosed, in whole or in part, or in any form or manner, without the express written consent of BofA Securities. BofA Global Research information is distributed simultaneously to internal and client websites and other portals by BofA Securities and is not publicly-available material. Any unauthorized use or disclosure is prohibited. Receipt and review of this information constitutes your agreement not to redistribute, retransmit, or disclose to others the contents, opinions, conclusion, or information contained herein (including any investment recommendations, estimates or price targets) without first obtaining express permission from an authorized officer of BofA Securities. Materials prepared by BofA Global Research personnel are based on public information. Facts and views presented in this material have not been reviewed by, and may not reflect information known to, professionals in other business areas of BofA Securities, including investment banking personnel. BofA Securities has established information barriers between BofA Global Research and certain business groups. As a result, BofA Securities does not disclose certain client relationships with, or compensation received from, such issuers. To the extent this material discusses any legal proceeding or issues, it has not been prepared as nor is it intended to express any legal conclusion, opinion or advice. Investors should consult their own legal advisers as to issues of law relating to the subject matter of this material. BofA Global Research personnel's knowledge of legal proceedings in which any BofA Securities entity and/or its directors, officers and employees may be plaintiffs, defendants, co-defendants or co-plaintiffs with or involving issuers mentioned in this material is based on public inform

This information has been prepared independently of any issuer of securities mentioned herein and not in connection with any proposed offering of securities or as agent of any issuer of any securities. None of BofAS any of its affiliates or their research analysts has any authority whatsoever to make any representation or warranty on behalf of the issuer(s). BofA Global Research policy prohibits research personnel from disclosing a recommendation, investment rating, or investment thesis for review by an issuer prior to the publication of a research report containing such rating, recommendation or investment thesis.

Any information relating to the tax status of financial instruments discussed herein is not intended to provide tax advice or to be used by anyone to provide tax advice. Investors are urged to seek tax advice based on their particular circumstances from an independent tax professional.

The information herein (other than disclosure information relating to BofA Securities and its affiliates) was obtained from various sources and we do not guarantee its accuracy. This information may contain links to third-party websites. BofA Securities is not responsible for the content of any third-party website or any linked content contained in a third-party website. Content contained on such third-party websites is not part of this information and is not incorporated by reference. The inclusion of a link does not imply any endorsement by or any affiliation with BofA Securities. Access to any third-party website is at your own risk, and you should always review the terms and privacy policies at third-party websites before submitting any personal information to them. BofA Securities is not responsible for such terms and privacy policies and expressly disclaims any liability for them.

All opinions, projections and estimates constitute the judgment of the author as of the date of publication and are subject to change without notice. Prices also are subject to change without notice. BofA Securities is under no obligation to update this information and BofA Securities ability to publish information on the subject issuer(s) in the future is subject to applicable quiet periods. You should therefore assume that BofA Securities will not update any fact, circumstance or opinion contained herein.

Subject to the quiet period applicable under laws of the various jurisdictions in which we distribute research reports and other legal and BofA Securities policy-related restrictions on the publication of research reports, fundamental equity reports are produced on a regular basis as necessary to keep the investment recommendation current.

Certain outstanding reports or investment opinions relating to securities, financial instruments and/or issuers may no longer be current. Always refer to the most recent research report relating to an issuer prior to making an investment decision.

In some cases, an issuer may be classified as Restricted or may be Under Review or Extended Review. In each case, investors should consider any investment opinion relating to such issuer (or its security and/or financial instruments) to be suspended or withdrawn and should not rely on the analyses and investment opinion(s) pertaining to such issuer (or its securities and/or financial instruments) nor should the analyses or opinion(s) be considered a solicitation of any kind. Sales persons and financial advisors affiliated with BofAS or any of its affiliates may not solicit purchases of securities or financial instruments that are Restricted or Under Review and may only solicit securities under Extended Review in accordance with firm policies.

Neither BofA Securities nor any officer or employee of BofA Securities accepts any liability whatsoever for any direct, indirect or consequential damages or losses arising from any use of this information.

