

ECAM ETF TRADING / UCITS Replication

The following is a replication table for those who do not have access (or prefer not to have access) to U.S. listed/domiciled ETFs. All efforts have been made to provide an alternative replication UCITS as close as possible to the original underlying ECAM ETF trading strategy ETFs.

Notes:

The ECAM ETF trading strategy is constructed using U.S. issued/domiciled ETFs. All back tested results (which include expense ratios) are based upon using the specific ETFs outlined within the strategy.

The UCITS replication funds are shown for those who do not have access / prefer not to use U.S. issued/domiciled ETFs.

- The chosen European UCITS funds may/may not perfectly track the underlying U.S. ETF (this is referred to as tracking error). All efforts have been made to find an alternative UCITS (where available) that most closely matches the characteristics of the source ETFs.
- European UCITS may be listed in a number of different locations (Ireland, Luxemburg, UK, Germany, etc.). The UCITS name and ISIN can be used to find an equivalent UCITS if it is not offered within your specific European brokerage account.
- UCITS funds typically have a higher expense ratio than U.S. based ETFs. As such, those who use replication UCITS will likely have increased performance drag due to higher UCITS fees. This is in addition to the higher broker fees likely to be paid when compared to US broker fees.

ECAM ETF	Underlying Index/Strategy	Closest UCITS Equivalent	Ticker	ISIN	Replication	Notes
ECAM Core ETFs / UCITS Alternatives						
SPY	S&P 500	SPDR S&P 500 UCITS ETF (Acc)	SPYL	IE000XZSV718	Physical	Closest match from same issuer; accumulating.
SPYG	S&P 500 Growth	iShares Russell 1000 Growth UCITS ETF (Acc)	R1GR	IE000NITTF2	Physical	Closest growth proxy. No exact S&P 500 Growth index UCITS available; accumulating
IWY	Russell Top 200 Growth	iShares Russell 1000 Growth UCITS ETF (Acc)	R1GR	IE000NITTF2	Physical	Closest growth proxy. No exact Russell Top 200 Growth index UCITS available; accumulating
QQQ	NASDAQ-100	Invesco EQQQ NASDAQ-100 UCITS ETF (Acc)	CNDX	IE00B53SZB19	Physical	Direct equivalent; accumulating.
SPEU	STOXX Europe 600	Invesco STOXX Europe 600 UCITS ETF (Acc)	IMEU	IE00B1YZSC51	Physical	Direct equivalent; accumulating.
EEM	MSCI Emerging Markets	iShares MSCI EM UCITS ETF (Acc)	SEMA	IE00B4L5YC18	Physical	Direct equivalent; accumulating.

Sector Backstop (SSTOP) ETFs / UCITS Alternatives

XLB	S&P Materials Select Sector	iShares S&P 500 Materials Sector UCITS ETF (Acc)	IUMS	IE00B4MKCJ84	Physical	Direct sector match; accumulating.
XLE	S&P Energy Select Sector	iShares S&P 500 Energy Sector UCITS ETF (Acc)	IUES	IE00B42NKQ00	Physical	Direct sector match; accumulating.
XLK	S&P Technology Select Sector	iShares S&P 500 Information Technology Sector UCITS ETF (Acc)	IUIT	IE00B3WJKG14	Physical	Direct sector match; accumulating.
XLV	S&P Health Care Select Sector	iShares S&P 500 Health Care Sector UCITS ETF (Acc)	IUHC	IE00B43HR379	Physical	Direct sector match; accumulating.
XLY	S&P Consumer Discretionary Select Sector	iShares S&P 500 Consumer Discretionary Sector UCITS ETF (Acc)	IUCD	IE00B4MCHD36	Physical	Direct sector match; accumulating.
XLP	S&P Consumer Staples Select Sector	iShares S&P 500 Consumer Staples Sector UCITS ETF (Acc)	IUCS	IE00B40B8R38	Physical	Direct sector match; accumulating.
IAU	Spot Gold Price	iShares Physical Gold ETC	SGLN	IE00B4ND3602	Physical (bullion)	Direct physical gold backing; accumulating.
DBC	DBIQ Optimum Yield Diversified Commodity Index	Invesco Bloomberg Commodity UCITS ETF (Acc)	CMOD	IE00BD6FTQ80	Synthetic (swap)	Broad commodity futures exposure; closest diversified match (energy, metals, ag).
IEI	ICE U.S. Treasury 3-7 Year Bond Index	iShares USD Treasury Bond 3-7yr UCITS ETF (Acc)	CSBGU7	IE00B3VWN393	Physical	Exact index match; accumulating.
ICSH	short term U.S. investment grade + floating rate debt	iShares \$ Ultrashort Bond UCITS	SDIA	IE00BGCSB447	Physical	Closest low-risk; accumulating short-duration USD bond proxy.
QQQ	NASDAQ-100	Invesco EQQQ NASDAQ-100 UCITS ETF (Acc)	EQAC	IE00BFZXGZ54	Physical	Direct equivalent; accumulating.
XLRE	S&P Real Estate Select Sector	Invesco Real Estate S&P US Select Sector UCITS (Acc)	XRES	IE00BYM8JD58	Physical	Direct equivalent; accumulating.

Bear Market ETFs / UCITS Alternatives						
IEF	ICE U.S. Treasury 7-10 Year Bond Index	iShares USD Treasury Bond 7-10yr UCITS ETF (Acc)	IBTM	IE00B1FZS798	Physical	Exact index match; accumulating.
GLD	Spot Gold Price	iShares Physical Gold ETC	SGLN	IE00B4ND3602	Physical (bullion)	Direct physical gold backing; accumulating equivalent. Alternative: SPDR Gold Shares UCITS ETF (GLDL).
SPY	S&P 500	SPDR S&P 500 UCITS ETF (Acc)	SPYL	IE000XZSV718	Physical	Closest match from same issuer (State Street); accumulating version.
SPYG	S&P 500 Growth	iShares Russell 1000 Growth UCITS ETF	R1GR	IE000NITTF2	Physical	Closest proxy (Russell 1000 Growth covers similar large-cap growth universe; Top 200 is a subset). No exact S&P 500 Growth index UCITS available.
TOTL	Bloomberg U.S. Aggregate Float Adjusted (active core-plus)	iShares US Aggregate Bond UCITS ETF (Acc)	IUAA	IE00BYXYM63	Physical	Closest passive broad US investment-grade aggregate proxy (includes Treasuries, corporates, MBS); accumulating. No exact active UCITS match.
HYS	BofA Merrill Lynch 0-5 Year US High Yield Constrained Index	PIMCO US Short-Term High Yield Corporate Bond UCITS ETF (Dist)	STYC	IE00BVZ6SQ11	Physical	Direct index match from same issuer; distributing.
BLV	Bloomberg U.S. Long Government/Credit Float Adjusted Index	iShares USD Treasury Bond 20+yr UCITS ETF (Acc)	IDTL	IE00BFM6TC58	Physical	Proxy for long-term Treasuries (core of BLV); accumulating.
CORP	Bloomberg Global Aggregate Corporate Bond Index	iShares Global Corp Bond UCITS ETF	CRPA	IE00BFM6TB42	Physical	Short-duration Treasury proxy for low-risk floating-rate exposure; accumulating. No exact IG floating-rate UCITS; alternative: iShares \$ Short Duration Corp Bond UCITS ETF (SDHY).
SH	Inverse (-1x) S&P 500 (daily)	Xtrackers S&P 500 Inverse Daily Swap UCITS ETF 1C	DXS3	LU0322251520	Synthetic (swap)	Accumulating; direct daily inverse match.
MYY	Inverse (-1x) MSCI USA index	Amundi MSCI USA Daily (-1x) Inverse UCITS ETF Acc	VOON	LU1327051279	Synthetic (swap)	No mid-cap specific inverse UCITS exists.
DOG	Inverse (-1x) MSCI USA index	Amundi MSCI USA Daily (-1x) Inverse UCITS ETF Acc	VOON	LU1327051279	Synthetic (swap)	No DJIA-specific inverse UCITS exists.
HYG	iBoxx USD Liquid High Yield Index	iShares \$ High Yield Corp Bond UCITS (Acc)	IHYA	IE00BYXYL56	Physical	Direct index match from same issuer; accumulating.