Option Strategies and Implementation

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FIN560: Derivatives and Assets Pricing

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June 9, 2024

Portfolio Strategies for Retirement Income

This file contains details about overseeing a distinct portfolio specifically for retirement income. The main goal is to avoid excessive risk and minimize potential losses. Give the most common option and structure to protect the investment. When managing a retirement income portfolio, it's essential to protect against downside risk while aiming for steady returns. Some strategies are diversification and asset allocation, which allocate an investor's portfolio across asset classes such as stock, bonds, and real estate to reduce risk. Diversification helps mitigate the impact of market fluctuations on investors' overall portfolio value. Understand social security benefits, which provide a guaranteed source of income based on a secure earning history, which is usually sufficient on its own. The other strategy is pensions, a reliable income stream funded by employers. Be aware of the risks and consider other sources as well. Retirement saving accounts utilize tax-advantaged accounts like 401(K)s, IRAs, and 403(b)s. These allow investments in stocks, bonds, and other assets for potential growth. The last one is an options strategy for selling covered cash, which generates income by selling call options against existing stock options. Buying protective puts protects against downside risk by purchasing a put option. Zero-cost collars combine covered calls and protective puts to limit losses while maintaining upside potential. A covered call is an options strategy in which an investor holds a long position in an asset (usually stock) and sells a call option on that asset.

A bullish call spread is an options trading strategy used when a trader expects a moderate increase in the price of an underlying asset. A bullish call spread is indeed bullish on direction but not necessarily volatility. A bullish call spread (call debit spread) involves two call options with different strike prices on the same underlying asset. A lower strike call consists of purchasing a call option with a specific strike price (closer to the current market price of the

underlying asset). This is the “long” leg of the spread. This call option gives the investor the right (but not the obligation) to buy the asset at that strike price before a specific date (expiration). At the same time, sell a higher strike call: Sell another option on the same underlying asset with a higher strike price. This is the “short” leg of the spread. If exercised, this call option obligates the investor to sell the asset at a higher strike price.

A bullish call spread is indeed bullish on the direction because it profits when the underlying asset’s price rises. Both call options should have the same expiration date. The strategy reaches its maximum profit if the asset’s price increases moderately and is near or above the higher strike price at expiration. If the price falls or doesn’t rise significantly, the strategy incurs a loss, limited to the net premium paid to establish the spread. The net effect is a profit due to the difference in strike prices. The goal is to profit from moderate price increases while managing risk. The bullish call spread limits losses of owning the asset but also caps gains. Volatility refers to the magnitude of price fluctuations in the underlying asset.

A bullish call spread does not inherently express a view on volatility. Low Volatility: The spread may be less expensive to establish in a low-volatility environment. High Volatility: The spread’s cost may increase in a high-volatility environment. The spread’s profitability depends on the actual movement of the stock price, not just its volatility. Vega measures an option’s sensitivity to changes in implied volatility. The long call option (lower strike) has positive vega, meaning it benefits from increased volatility. The short call option (higher strike) has negative vega, meaning it benefits from decreased volatility. The net vega of the spread depends on the specific strike prices chosen. If volatility increases, both the long and short call options may gain value, but the net effect depends on their relative vega. If volatility decreases, the spread’s value may decrease, but again, the net effect depends on the specific strikes.

In summary, while a bullish call spread primarily focuses on direction (upward movement), its sensitivity to volatility depends on the specific strike prices and the overall market conditions. Always consider both factors when implementing options strategies.

In the context of a long horizontal call spread, the implied volatility plays a significant role. A long horizontal call spread (also known as a calendar spread or time spread) involves buying a call option with a more prolonged expiration (further out in time) and simultaneously selling a call option with a closer expiration (near-term). The goal is to profit from the passage of time (theta decay) while maintaining a neutral or slightly bullish position. Implied volatility represents the market's expectation of future price fluctuations for the underlying asset.

The longer-dated call option (which you own) tends to have a higher vega (sensitivity to changes in volatility) than the shorter-dated call option you sold. As a result, an increase in implied volatility is usually beneficial for this strategy. The longer-dated option gains more value due to its higher vega, potentially leading to a profit. Conversely, a decline in volatility could negatively impact the position. If implied volatility rises, the longer-dated call option will appreciate more significantly. The spread's value increases due to the differential impact on the two options. This can lead to a potential profit. In the other profit scenario, if implied volatility remains stable or decreases, the spread's profitability relies more on theta decay (time passing). Excessive volatility can lead to unexpected losses if the price moves unfavorably against the position. Traders should assess the underlying asset's historical and implied volatility to gauge its potential impact on the spread.

In summary, a long horizontal call spread benefits from rising implied volatility, but monitoring volatility levels and managing risk effectively is essential.

A short horizontal put spread, also known as a short calendar spread or short time spread, is an options strategy that involves selling one “longer-term” put option and simultaneously buying one “shorter-term” put option with the same strike price. The short horizontal put spread aims to profit from time decay (theta) while maintaining a neutral-to-bullish position. This strategy is established for a net credit (net receipt of cash). Both the profit potential and risk are limited. Sell a Longer-Term Put sell a put option with a more prolonged expiration (e.g., two months or more). Buy a Shorter-Term Put buy-a-put option with a shorter expiration (e.g., one month). Both puts have the same strike price. The maximum profit potential occurs if the stock price is far above or below the strike price on the expiration date of the long put. If the stock price moves sharply away from the strike price, the difference between the two puts approaches zero, and you keep the total amount received for the spread as income. The maximum risk occurs if the stock price equals the strike price of the puts on the expiration date of the long put (shorter term). At this point, the short put (longer term) has maximum time value, and the long put expires worthless. The difference in price between the two puts is at its greatest. Monitoring the position as the long put’s expiration approaches is essential. Conceptually, there are two breakeven points: One above the strike price of the calendar spread. One below the strike price. These breakeven points occur on the expiration date of the long put, where the time value of the short put equals the original price of the calendar spread.

In summary, a short horizontal put spread benefits from time decay and is established for a net credit. Managing risk and monitoring the position according to the expiration date approach is essential.

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