

# Holographic Trading System User Manual



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## Introduction

Congratulations on your purchase.

The Holographic Trading System is a unique and high-level market analyzer tool that uses the latest scientific resources and was built by a group of mathematicians and physicists to help traders and investors in their trading decisions and analysis. The system itself is based on the Wave Cycle Theory and Fourier Analysis and can be used on the Forex, CFD-s and precious metals market.

We took the time to write a very thorough User Manual for the Holographic Trading System because we want everyone who uses it to be successful with this system. Please take the time to study and reference it while you are learning the system. Please remember, you must follow the rules if you want to be a successful trader with this system. We know the temptation will be there to want to tweak the rules, but please don't. Follow the plan as it's laid out here and we are sure over time you'll be happy with the results. Overcoming your inability to trade the same plan every time you initiate a trade is what stands between you and becoming a successful trader. Remember, the Holographic Trading System isn't the "Holy Grail". There will be losses, but if you follow the system rules, the losses should be smaller and less often than the winners and you'll grow your trading account in the long run.


Now, please sit back and make your self comfortable to read and understand every word contained therein and most importantly to do, meaning to apply what was learned in a disciplined and diligent manner.

## Scientific Background

Understanding a detailed scientific explanation can be difficult for most people. In this chapter we try to explain the scientific background of the Holographic Trading system in an easily understandable way.

First, let's understand where the name 'Holographic Trading system' comes from. A hologram is a three-dimensional photograph made with the aid of a laser. To make a hologram, the object to be photographed is first bathed in the light of a laser beam. Then a second laser beam is bounced off the reflected light of the first and the resulting interference pattern (the area where the two laser beams commingle) is captured on film. When the film is developed, it looks like a meaningless swirl of light and dark lines. But as soon as the developed film is illuminated by another laser beam, a three-dimensional image of the original object appears. The three-dimensionality of such images is not the only remarkable characteristic of holograms. If a hologram of a rose is cut in half and then illuminated by a laser, each half will still be found to contain the entire image of the rose. Indeed, even if the halves are divided again, each snippet of film will always be found to contain a smaller but intact version of the original image. Unlike normal photographs, every part of a hologram contains all the information possessed by the whole. The "whole in every part" nature of a hologram provides us with an entirely new way of understanding organization and order. Forex markets are exactly the same. A main trend is built up by several medium-term and small-term trends. These smaller trends have the same characteristic as the main long-term trend. Identifying the smaller waves in a long-term trend can give us the opportunity to get into a trade with less risk.

Most of the phenomena we encounter in our daily lives occur in cycles. This is the case with seasons, the rising and setting of the sun, the ebb and flow, day and night, the earth revolving around the sun, etc. We take these for granted and rarely think of them in terms of cycles. Furthermore, we seldom associate cycles with forecasting. Today, we have accurate instruments to predict certain future events, which range from weather storms to collisions in space and the next tsunami or earthquake.




The underlying factor in this forecasting is a series of repeated cycles on the basis of which we form our hypotheses. The same method is applied to market analysis. We can use market cycle theory to forecast the evolution of financial markets, i.e. we can predict when the low and high of a cycle will occur.

Let us first understand the basic concept of a market cycle. Imagine a price moving up and down depicted on a chart in the form of a wave. The bottom of the wave is the low point and the top of the wave is the high point. Each low point is connected to a high point, i.e. crest of the wave. The time between two low points or two high points can be regarded as a cycle. Imagine this like the longest day of summer and the next longest day of summer next year in a cycle of seasons. Frequently repeating cycles over a period of time are used to define a trend and trends are used as the basis for forecasting and therefore investment.

Market cycles fall into different multiple groups, i.e. short, medium and long-term cycles. Long-term cycles are most widely used to determine the market's high and low, namely when to buy and sell.

Cyclic recurring processes observed in natural phenomena by humans since the earliest times have embedded the basic concepts used in modern spectral estimation. Ancient civilizations were able to design calendars and time measures from their observations of the periodicities in the length of the day, the length of the year, the seasonal changes, the phases of the moon, and the motion of the planets and stars. Pythagoras developed a relationship between the periodicity of musical notes produced by a fixed tension string and a number representing the length of the string in the sixth century BC. He believed that the essence of harmony was inherent in the numbers. Pythagoras extended the relationship to describe the harmonic motion of heavenly bodies, describing the motion as the "music of the spheres".

Sir Isaac Newton provided the mathematical basis for modern spectral analysis. In the seventeenth century, he discovered that sunlight passing through a glass prism expanded into a band of many colors. He determined that each color represented a particular wavelength of light and that the white light of the sun contained all wavelengths. He invented the word spectrum as a scientific term to describe the band of light colors. We use a very similar technique to break the trend waves into pieces and analyze them separately with our professional Wave Scanner Indicator.




Daniel Bournoulli developed the solution to the wave equation for the vibrating musical string in 1738. Later, in 1822, the French engineer Jean Baptiste Joseph Fourier extend the wave equation results by asserting that any function could be represented as an infinite summation of sine and cosine terms. The mathematics of such representation has become known as harmonic analysis due to the harmonic relationship between the sine and cosine terms. Fourier transforms, the frequency description of time domain events (and vice versa) have been named in his honor.

Norbert Wiener provided the major turning point for the theory of spectral analysis in 1930, when he published his classic paper "Generalized Harmonic Analysis." Among his contributions were precise statistical definitions of autocorrelation and power spectral density for stationary random processes. The use of Fourier transforms, rather than the Fourier series of traditional harmonic analysis, enabled Wiener to define spectra in terms of a continuum of frequencies rather than as discrete harmonic frequencies.

John Tukey is the pioneer of modern empirical spectral analysis. In 1949 he provided the foundation for spectral estimation using correlation estimates produced from finite time sequences. Many of the terms of modern spectral estimation (such as aliasing, windowing, prewhitening, tapering, smoothing, and decimation) are attributed to Tukey. In 1965 he collaborated with Jim Cooley to describe an efficient algorithm for digital computation of the Fourier transform. This (FFT) unfortunately is not suitable for analysis of market data.

The work of John Burg was the prime impetus for the current interest in high-resolution spectral estimation from limited time sequences. He described his high-resolution spectral estimate in terms of a maximum entropy formalism in his 1975 doctoral thesis and has been instrumental in the development of modeling approaches to high-resolution spectral estimation. Burg's approach was initially applied to the geophysical exploration for oil and gas through the analysis of seismic waves. The approach is also applicable for technical market analysis because it produces high-resolution spectral estimates using minimal data. This is important because the short-term market cycles are always shifting. Another benefit of the approach is that it is maximally responsive to the selected data length and is not subject to distortions due to end effects at the ends of the data sample.



The dictionary definition of a cycle is that it is "an interval or space of time in which is completed one round of events or phenomena that recur regularly and in the same sequence." In the market, we consider a classic cycle exists when the price starts low, rises smoothly to a high over a length of time, and then smoothly falls back to the original price over the same length of time. The time required to complete the cycle is called the period of the cycle or the cycle length.

Cycles certainly exist in the market. Many times they are justified on the basis of fundamental considerations. The clearest is the seasonal change for agricultural prices (lowest at harvest), or the decline of real estate prices in the winter. Television analysts are always talking about the rate of inflation being "seasonally adjusted" by the government. But the seasonal is a specific case of the cycle, always being 12 months. Other fundamentals-related cycles can originate from the 18 month cattle-breeding cycle or the monthly cold-storage report on pork bellies.


Business cycles are not as clear, but they exist. Business cycles vary with interest rates. The government sets objectives for economic growth based on its ability to hold inflation to reasonable levels. This growth is increased or decreased by adding or withdrawing funds from the economy and by changing the rate at which government lends money to banks. Easing of rates encourages business; tightening of rates inhibits it. Inevitably this process alternates, causing what we see as a business cycle. Although in practice this cycle may repeat in the same number of years, the exact repetition of the period is not necessary. The business cycle is limited on the upside by the amount of growth the government will allow (usually 3%) and on the downside by moderate negative growth (about -1%), which indicates a recession. The range of the cycle from +3% to -1% is called its amplitude.

Statisticians and economists have identified four important characteristics of price movement. All price forecasts and analyses deal with these elements:

1. A trend, or tendency to move in one direction for a specified time period.
2. A seasonal factor, a pattern related to the calendar.
3. A cycle (other than seasonal).
4. Other unaccountable price movement, often called noise.

Since points 2 and 3 are both cycles, it is clear that cycles are a significant and accepted part of all price movement.

When trading using cycles, one key question is the desired time span of the trade. At one extreme, the 54 year Kondratieff economic cycle could be



considered. A cattle rancher might prefer the 18 month breeding cycle, while a grain farmer probably hedges on the basis of the annual harvest. Speculators often work over a short (sometimes very short) time span.

Behavioral cycles in prices have been most popular in Elliott's wave theory and more recently in the works of Gann, but these methods have a large element of interpretation and subjectivity.

A casual glance at almost any bar chart shows, in retrospect, that short term cycles ebb and flow. The ability to isolate and use market phenomena, such as cycles, is related to the awareness of its existence and the tools available. Many forecasting methods were not practical until the computer became popular. Now these methods can be used by nearly everyone. The philosophical foundation for these short term cycles is derived from random walk theory and is developed so you will feel more comfortable dealing with cycles.

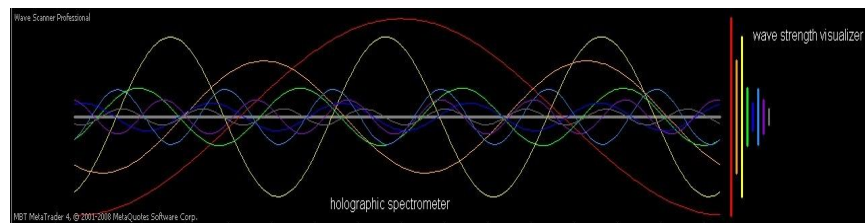
Arguments that cycles exist in the market arise not only from fundamental considerations or direct measurement but also on philosophical grounds related to physical phenomena. The natural response to any physical disturbance is harmonic motion. If you pluck a guitar string, the string vibrates with cycles you can hear. By analogy, we have every right to expect that the market will respond to disturbances with cyclic motion. The challenge for technical traders is to recognize when the cycles are present and to trade them in a logical and consistent manner so these cycles can contribute profitably to the bottom line. Cycle recognition should be 100% objective and it should be based on mathematic calculations, not on subjective human guessing. That's why the Holographic Trading System is a fantastic breakthrough in Forex chart analysis.



## The parts of the Holographic System

The indicators of the Holographic Trading System are the next generation group of super indicators because they not only give you a multidimensional view of market activity but each indicator is based on sound scientific measurements rather than on anecdotal evidence and heuristics. The indicators start with the measurement of the dominant cycle and are therefore adaptive to changing market conditions. There are a total of four indicators in the Holographic Trading system. These are: 1) Wave Scanner Professional 2) Heat Map Indicator, 3) Holographic SuppRes, and 4) The Watermark.


### 1. Wave Scanner Professional



The Wave Scanner Professional is a holographic spectrometer. Our masterpiece indicator is the heart and soul of the Holographic Trading System. It is extremely easy to use this indicator as it breaks the main trend into different colorful and spectacular waves. Now let's see how this indicator works exactly:

Everyone loves a rainbow and most people understand, at least roughly, how they work: raindrops split a beam of white sunlight into rays of colored light, bending the blueish ones more than the reddish ones to make the well-known arc in the sky. Rain, then, is a brilliant method for separating sunlight. Chemists and physicists use a similar method for separating mixtures of substances into their components, turning them into beams of particles and then bending them with electricity and magnetism to make a





kind of spectrum of different atoms that are easier to identify. This technique is called mass spectrometry and it was pioneered by British physicist Francis Aston in 1919. Let's take a closer look at how it works!

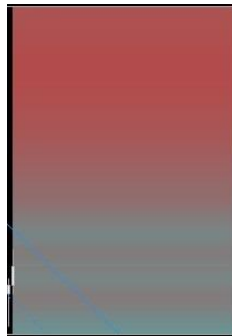
Mass spectrometers are much simpler than they look—or sound. Suppose someone gives you a bucketful of atoms of different chemical elements and asks you what's inside. You need to separate out the atoms quickly and efficiently, but how do you do it? Simple! Tip your bucket into a mass spectrometer. It turns the atoms into ions (electrically charged atoms with either too few or too many electrons). Then it separates the ions by passing them first through an electric field, then through a magnetic field, so they fan out into a spectrum. A computerized detector tallies the ions in different parts of the spectrum and you can use this information to figure out what kinds of atoms were originally in your bucket. That's the basic idea, anyway. In reality, it's a bit more complex than this—there's no bucket, for a start!

Our Wave Scanner Professional uses the same technique: it identifies a trend and with the built in spectrometric formula it separates the main trend into visible waves. The trend is built up by these waves, or sub-trends and it is extremely easy to find entry and exit points after the wave separation. Of course our tool is not based on ions or atoms, but on mathematical formulas. But the conception is absolutely the same.

The mathematical formulas we use in this indicator are based on Fourier Analysis. What does Fourier analysis mean? Named after the nineteenth-century French mathematician and physicist Joseph Fourier, a type of mathematical analysis that attempts to identify patterns or cycles in a time series data set which has already been normalized. By first removing any effects of trends or other complicating factors from the data set, the effects of periodic cycles or patterns can be identified more accurately, leaving the analyst with a good estimate of the direction that the data under analysis will take in the future.

This type of analysis may sound complex, but it actually makes good sense. For example, suppose a manufacturing company wanted to know what stage of its price cycle its main raw material was in. Because inflation would constantly be increasing the dollar price of the commodity over time, an analyst would remove the effects of inflation from the commodity's historical prices first. Once inflation was controlled for, the analyst would then have a much more accurate picture of the price cycles experienced by the commodity.

## 2. Heat Map Indicator



The purpose of this indicator is to highlight the price zones that had the most activity: the hottest zones. The indicator shows a gradient of colors from cold to hot. The hot colors mean lots of activity and volume, the cold colors mean less or minimal activity and volume. This indicator gives the trader a deeper look into the market activity and it is useful as a map or key to see the current place of the price comparing to the whole picture.

## 3. Holographic SuppRes



It is a luxury automated support-resistance indicator. Drawing trend lines or support and resistance lines were mainly subjective... till now. With the Holographic SuppRes indicator drawing these lines is not a subjective work anymore but automated and objective, and also based on mathematical calculations. With it, the trader can see if the current trend is moving in a channel or not and also the possible turning points.

#### **4. The Watermark**



The Watermark helps traders to trade on different charts at the same time with showing the instrument name and timeframe with spectacular capital letters. It can be a big help for everyone who prefer to switch the charts quickly, even for short time traders.

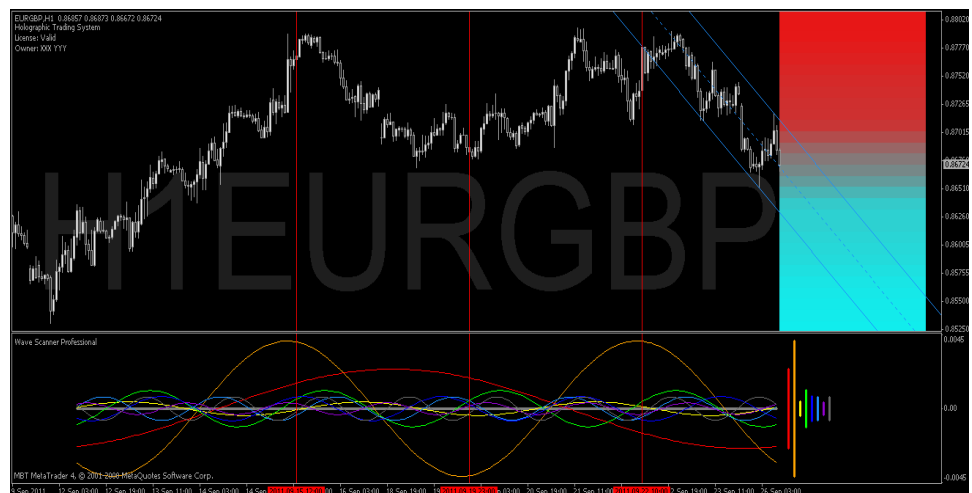
## Profitability

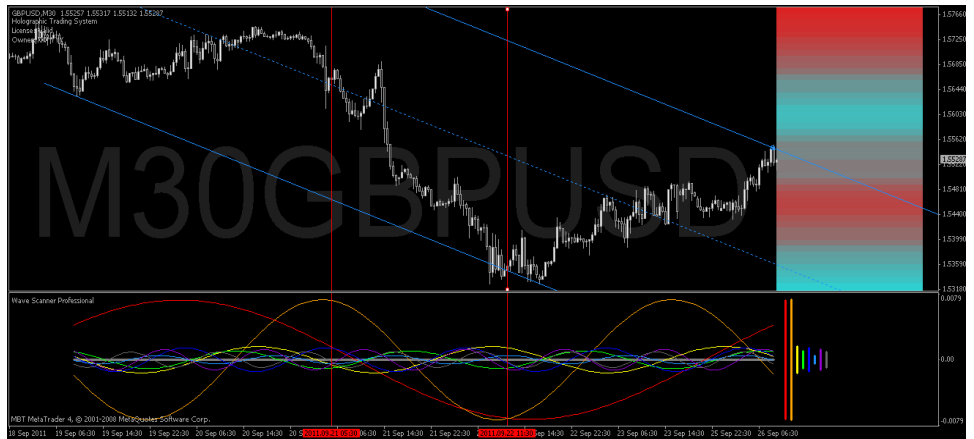
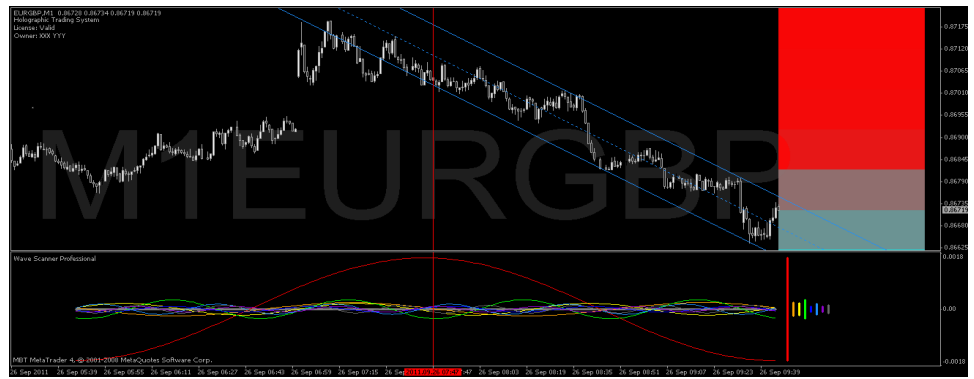
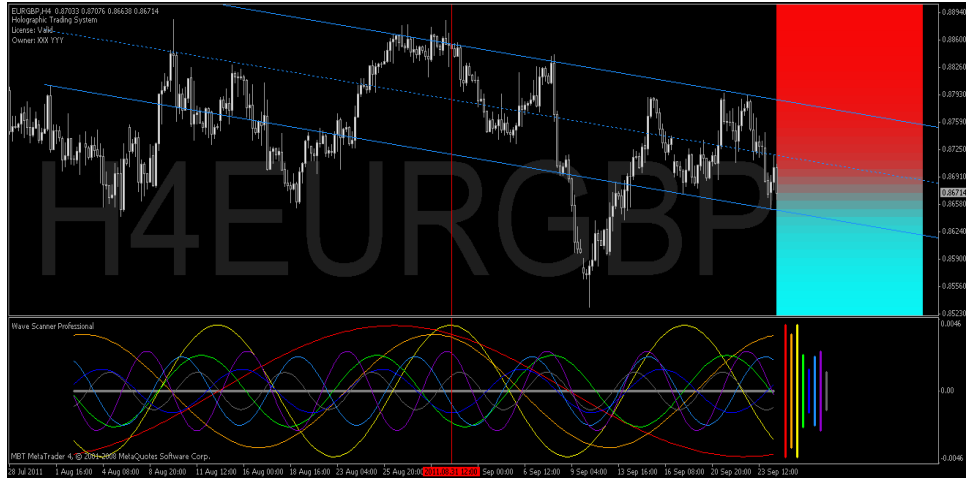
The optimization of the Holographic Trading system was conducted between August 2010 and August 2011. During this time we have analyzed 4200 occurrences of the holographic cycle turning points predicted by our system in the history of different instruments and have found that it has had an 85% success rate\* at marking significant turning points\*\*. The process was confirmed by the FxRateMate independent System Rating Agency.

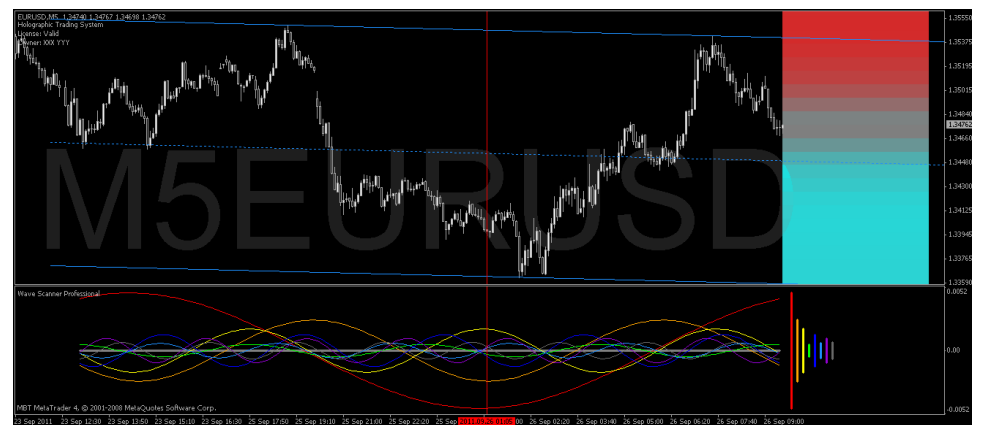
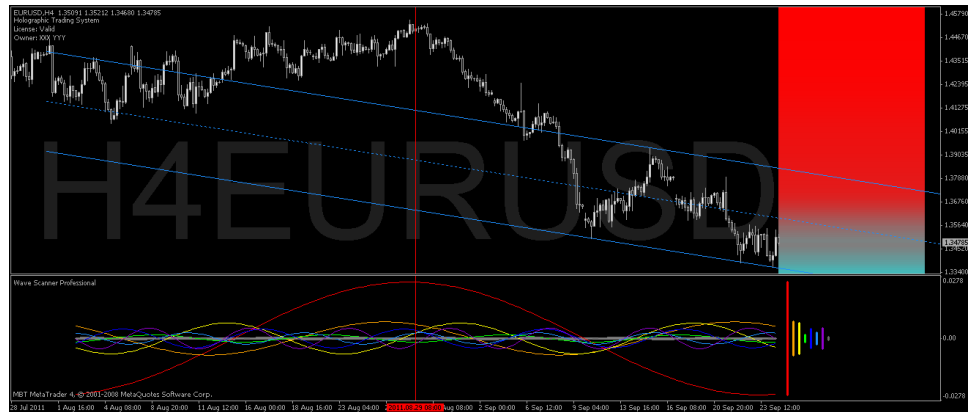
The development of the system is not ended. We constantly monitor and observe the charts and adjust the formula to the current circumstances if necessary. With purchasing the system, you will get a lifelong membership to our services and you will get all future modified and updated versions of our system. Please find a few of the current charts below. Please note that on these charts only the strongest wave's predictions were marked.

\*85% *success* is reached on “average” trading days. No trading during August and December, no trading during bank holidays. Only the entry signals were involved into the test. The amount of correct entries were: 3572.

\*\**significant turning point* means at least 15 pips move in the predicted direction after the entry signal on the lower timeframes (5M, 15M, 30M, H1) and 75 pips move on the higher timeframes (H4, Daily).







## Installation

Step 1 – Download and install the Metatrader4 (MT4) platform. You can choose any broker that supports Metatrader4 platform such as Alpari InterbankFX, FXDD, FXPro etc. Feel free to use your existing brokerage account or choose one by yourself.

Step 2 – Run the Holographic System EASY INSTALLER.exe file and install it to your Metatrader4 with a few easy clicks only.

Step 3 – Open your Metatrader4.

Step 4 – Open a chart (the majors: EURUSD, GBPUSD, USDCHF, USDJPY are recommended first). Right click on your chart → open the Template menu. Load the #Holographic\_System template to the chart.

Please feel free to set your preferred timeframe. If the Wave Scanner Professional is not visible at the first time, please click on another timeframe, and then click again to the preferred timeframe. It will speed up the data analysis process of the Wave Scanner and makes it visible.

If everything is OK, you have to see a picture like this:



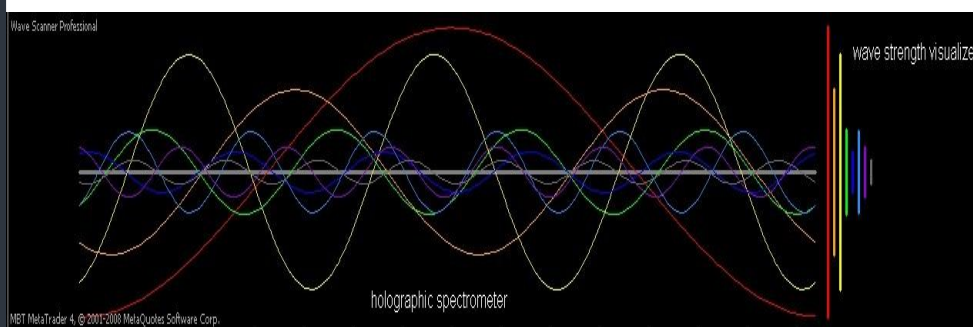


## The Rules of the System

The main strength of the system is to generate razor sharp entry signals by making the hidden waves of the market or the trend visible. Our entry signal generator is the Wave Scanner Professional. This is the main tool to observe during trading and this is the first thing you should check before entering into a position.

The Wave Scanner Professional has 2 parts:

- the Wave Strength Visualizer
- the Holographic Spectrometer



First of all, you have to check the Wave Strength Visualizer (on the right side). Identify the two strongest waves. The strongest waves are the longest ones. On this picture, the red is the strongest wave and the yellow is the second strongest one.

The 1<sup>st</sup> strongest wave is the main trend. The 2<sup>nd</sup> strongest wave will show the entry and exit point.

### Buy rules:

1. The main wave reaches it's minimum level (the lowest level),
2. After that or at the same time the second wave reaches it's minimum level too.

Important: During point 2, the main wave should be below or at the flat gray line. If it is above the flat gray line, the entry is not valid.

Stoploss: last low

Takeprofit:

1. The main wave crosses up the flat gray line and stays above it,
2. The second wave reaches it's maximum (top level).

**Sell rules:**

1. The main wave reaches it's maximum level (the highest level)
2. After that or at the same time the second wave reaches it's maximum level too

Important: During point 2, the main wave should be above or at the flat gray line. If it is below the flat gray line, the entry is not valid.

Stoploss: last high

Takeprofit:

1. The main wave crosses down the flat gray line and stays below it
2. The second wave reaches it's minimum (lowest level)

**Additional rules:**

The system's main strength is finding the best entry points. The entry points are based on the fact that every wave is built up by several smaller waves. We are always entering in the direction of the main wave with the signal of a smaller wave. Our recommended Stop Loss and Take Profit rules can be read above, but as the system is the best in entries, please feel free to use your favorite Stop Loss and/or Take Profit strategies.

Other recommended Stop Loss strategies:

- nearest round number +/- buffer
- nearest Monthly or Weekly Pivot number +/- buffer
- the top/bottom of the Holographic SuppRes indicator

Other recommended Take Profit strategies:

- nearest round number +/- buffer
- nearest Monthly or Weekly Pivot number +/- buffer
- the top/bottom of the Holographic SuppRes indicator

The HeatMap indicator can be used to highlight the price zones that had the most activity. The hot colors mean lots of activity and volume, the cold colors mean less or minimal activity and volume. Hot colors also often indicate range. If the price is moving from the hot zone to the cold zone, it means that the price is breaking out from its “comfort zone”. It can indicate the beginning of a new trend, but please keep in mind that support and resistance zones can behave more strongly in the cold zone.

If the price is moving from the cold zone to the hot zone, it means that the price is moving back to its “comfort zone”, but it also often the sign of a possible ranging period as most ranges happen in the hot zone.

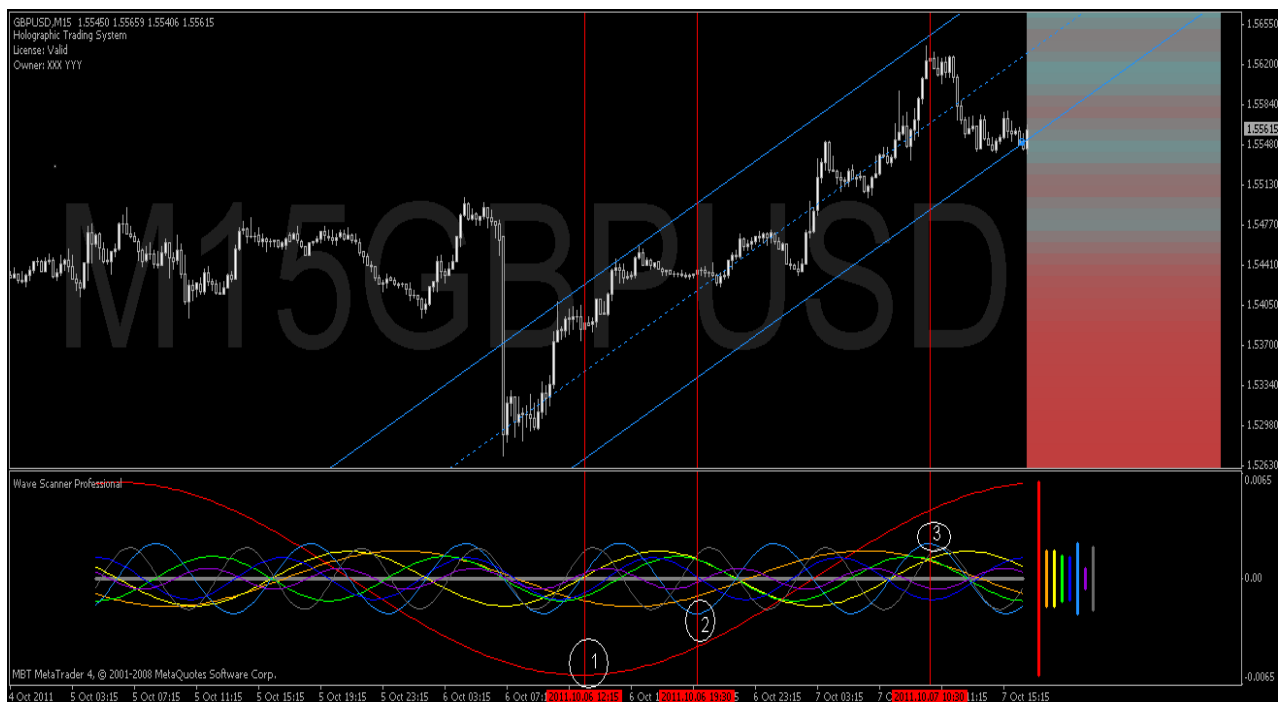
Use this to get a deeper look into the market activity or as a map or key to see the current place of the price comparing to the whole picture.

You can use the system on any timeframes, but it performs best on the higher ones. The recommended timeframe is H1 or above, however as you can see in the illustrations, the system can perform nicely on the mid-term and on the short term charts too.



## Illustrations

### Example 1.: Buy entry on M15 GBPUSD



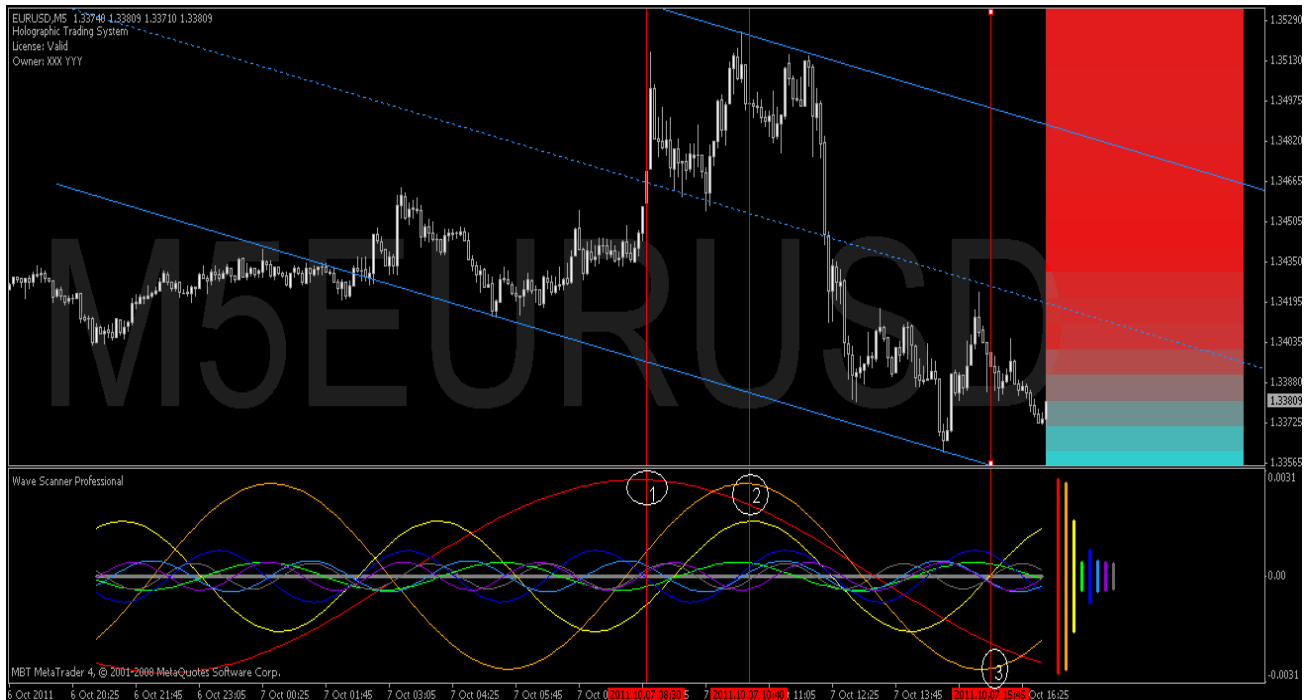
Let's identify the 2 main waves with checking the length of the signal sticks on the right side.

Main wave: red      Second wave: light blue

1. The main (red) wave reaches it's minimum level (the lowest level),
2. After that the second (light blue) wave reaches it's minimum level too.  
During this, the main (red) wave is still below the flat gray mid line. → this is a valid buy entry here.
3. The main (red) wave crosses up the flat gray line and stays above it, and the second (light blue) wave reaches it's maximum (top level). → this is a valid exit point.  
At this point the price is also reached the top of the Holographic SuppRes Indicator what can be a sign of a possible back-bounce.

Please also don't forget to observe the Heat Map Indicator. The price is moving from it's comfort zone to a bit colder place. It can indicate a nice trend too, but the price is sensitive for resistance levels is this zone too.

## Example 2.: Sell entry on M5 EURUSD



This example demonstrates that the Holographic System can be used even on the very small timeframes with success.

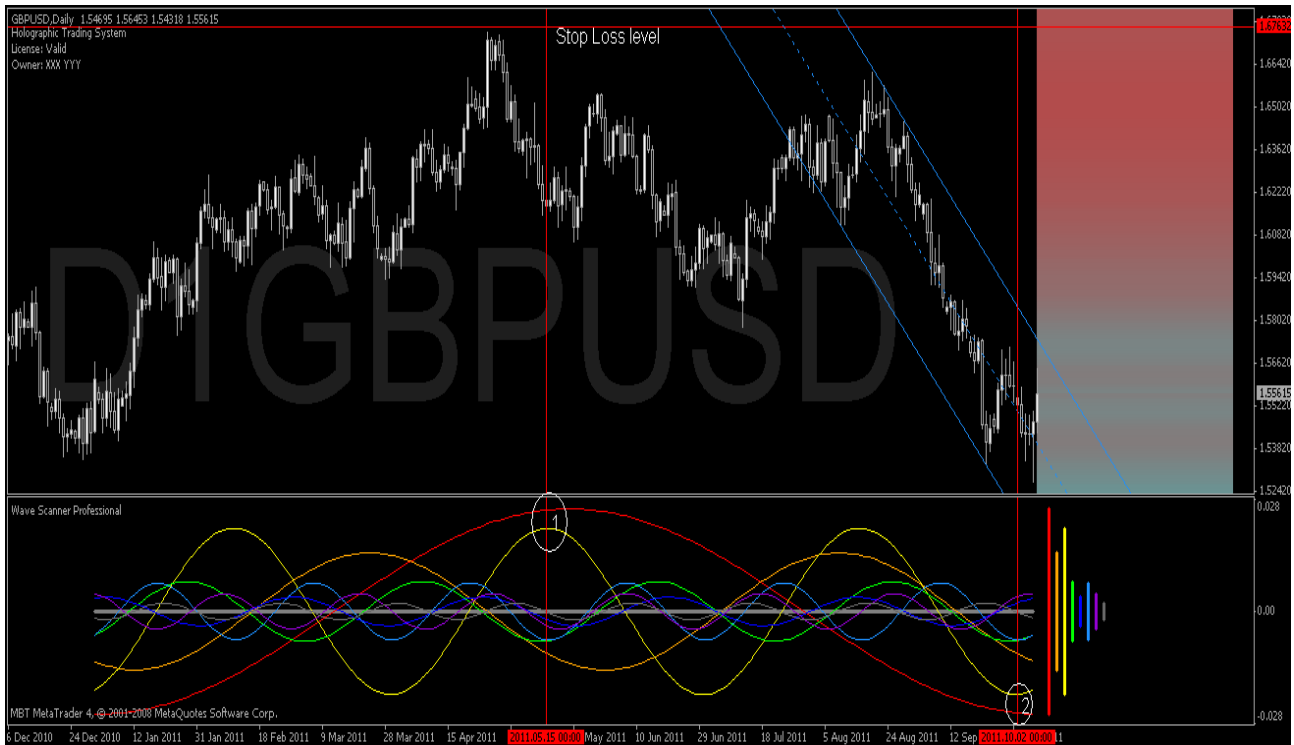
Let's identify the 2 main waves with checking the length of the signal sticks on the right side.  
Main wave: red      Second wave: orange

1. The main (red) wave reaches it's maximum level (the highest level),
2. After that the second (orange) wave reaches it's maximum level too.  
During this, the main (red) wave is still above the flat gray mid line. → this is a valid sell entry here.
3. The main (red) wave crosses down the flat gray line and stays below it, and the second (orange) wave reaches it's minimum (lowest level). → this is a valid exit point.  
At this point the price has also already reached the bottom of the Holographic SuppRes Indicator and currently forming a back-bounce.

On the Heat Map Indicator, the price was mainly moving in it's comfort zone. It means lots of activity and volume.

The last high level was a good choice as a Stop Loss level here.

### Example 3.: Sell entry on the Daily GBPUSD



Higher timeframes mean stronger and safer waves and trends. This example shows a nicely identified wave on the Daily GBPUSD chart that was the beginning of a down trend after a ranging period.

Let's identify the 2 main waves with checking the length of the signal sticks on the right side.  
Main wave: red      Second wave: yellow

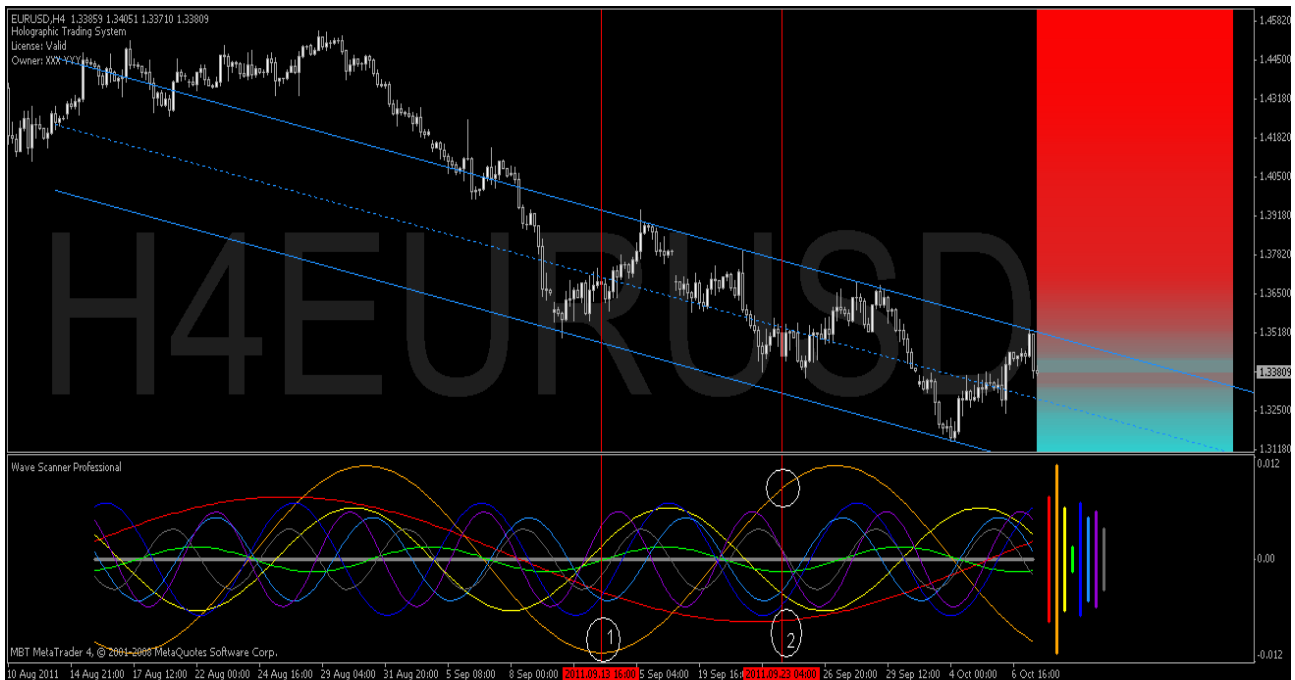
1. The main (red) wave reaches it's maximum level (the highest level), and at the same time the second (yellow) wave reaches it's maximum level too. During this, the main (red) wave is naturally still above the flat gray mid line. → this is a valid sell entry here.
2. The main (red) wave crosses down the flat gray line and stays below it, and the second (yellow) wave reaches it's minimum (lowest level). → this is a valid exit point.

At this point the price has also already reached the bottom of the Holographic SuppRes Indicator and started to form a back-bounce.

On the Heat Map Indicator, the price was mainly moving in it's comfort zone. It means lots of activity and volume, but also can indicate range. In this example the target was reached after a ranging period in the hot zone.

The last high level was a good choice as a safe Stop Loss level here too.

#### Example 4.: No valid entry on H4 EURUSD



It is very important to properly understand and follow the rules as entering on a non-valid signal can cause loss. The following example illustrates a non-valid entry point.

Let's identify the 2 main waves with checking the length of the signal sticks on the right side.  
Main wave: orange      Second wave: red

1. The main (orange) wave reaches it's minimum level (the lowest level),
2. After that the second (red) wave reaches it's minimum level too. It could be a buy entry signal.

**BUT!** During this, the main (orange) wave got above the flat gray mid line. → this is **NOT** a valid buy entry here!

**WARNING!** Read the user manual (especially the rules) more than once, until you have a clear understanding of the content. It is recommended to start with a demo account and paper trade for at least two to three months to really understand how things work.



## Psychology and Money Management

Don't forget that the most important aspect of trading is not actually the strategy, entry or exit rule but who is trading and how disciplined he is in following the set rules. Trading psychology is extremely important. Keep in mind you need to have the discipline to apply your Forex trading strategy if you don't – then you don't have one. Trading is all about maintaining rigid discipline and this trait is extremely vital for success.

Also we would like to suggest that do not put pressures on your trading with daily goals like trying to make 100 pips everyday by forcefully trading. That is not how you do long-term survival business in Forex. Just wait for the right setup whenever it happens and take what the market can easily give you, keep repeating this over and over again till success. Trading can be boring sometimes particularly when waiting for your trading conditions to be met. Impatience leads to overtrading too.

Risk no more than you can afford to lose. One of the very common reasons why most traders fail is due to over leveraging their accounts. The rule of thumb is to risk only 2% of your account on any single trade. Example, you have a \$3000 dollar account you want to place a trade that ensures that if you were to lose your max loss will be 2% of \$3000 which is \$60. Which means the amount you are risking for that one trade is only \$60 dollars. Then on the upside make sure your risk reward is at least 1:2 meaning for every 1 you lose you gain 2 back in return. Regardless of the system start with a demo account and paper trade for at least two to three months to really understand how things work.

This e-book is actually a manual and should be used as such. It is not a black box system that might work for a while and stop working. Every signal is there on the chart to be seen. We have spent lots of hours visually back testing a bunch of permutations and combinations with some statistical analysis of the strategy. Read, probably more than once, until you have a clear understanding of the content. The settings you have received have not only being back tested but have been forward tested also and have been found to be very profitable. It is recommended to start with the majors only before adding other currency pairs. There will definitely be losing trades but we base our calculations on monthly totals which we are sure will end up in the positive over a three months period.

**Wishing you successful and profitable trading  
with the  
Holographic Trading System.**



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