NEUROPTIMAL®
ADVANCED BRAIN TRAINING SYSTEMS
TRANSFORMING LIVES SINCE 2000

BASIC
Certification Guide

by Zengar

Zengar Institute Inc. | (866) 990 • OPTIMAL | info@zengar.com

NEUROPTIMAL®
ADVANCED BRAIN TRAINING SYSTEMS
TRANSFORMING LIVES SINCE 2000

NeurOptimal® NO3

Basic Certification Course- 2019

Presented by Zengar Education Department and Your Certified Instructor

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NEUROPTIMAL®

PLEASE INTRODUCE YOURSELF

Before we start, please answer the following questions in the gotowebinar question box:

- How long have you been using the NO system
- Do you own a system
- Where are you located
- Do you have an existing NO office/location?

2

NEUROPTIMAL®

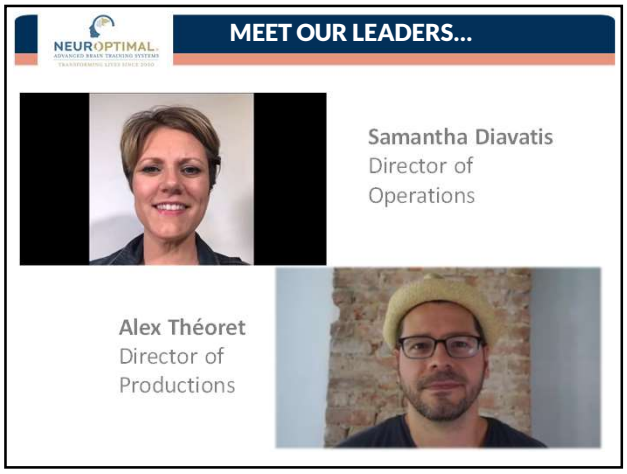
WELCOME TO THE NEUROPTIMAL® COMMUNITY

- NeurOptimal® is a **General Wellness Product** as determined by the FDA
- Your **Dynamical Neurofeedback® Personalized Brain Fitness Tool**
- Brain Training for **Personal Transformation**
- Welcome to your new role as a **NeurOptimal® Wellness Provider/Trainer**

3

NEUROPTIMAL
MEET THE FOUNDERS...
Dr. Valdeane Brown, President
www.neuroptimal.com
Dr. Susan Brown
Senior Vice President

4


NEUROPTIMAL
MEET OUR LEADERS...
Samantha Diavatis
Director of Operations
Alex Théoret
Director of Productions

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NEUROPTIMAL
'BASIC CERT' GOALS TO UNDERSTAND:
The method the Brain uses to 'Communicate' with itself
The premise behind Neurofeedback
The History of NF and specifically NeurOptimal®
Understanding the Zengar History therefore, the communication process of NO
The difference between a 'Linear NF system & the Dynamical Neurofeedback' training process'
DIFS – The 4-D model
Technical Information such as "Running a Session", Media Downloads and NOMP

6

GOALS CONTINUED…

- The **NO3** process
- Role of the **NeurOptimal® Wellness Provider** & Role of the Client
- Recognizing and tracking "**Shifts**"
- **Change**- A Natural Characteristic of life
- **NeurOptimal®** detects 'changes' or 'differences'
- Answering **Client** questions & concerns Branding, Philosophy and Language of **NeurOptimal®**
- **Resources** available to you through **PASS**: (how to log on to a **Zen Connect**, basic maintenance of your system and very basic troubleshooting)
- **Business/Marketing** for your **NeurOptimal®** office

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MODULE 1

- *The Foundation of NeurOptimal® is based on this information*

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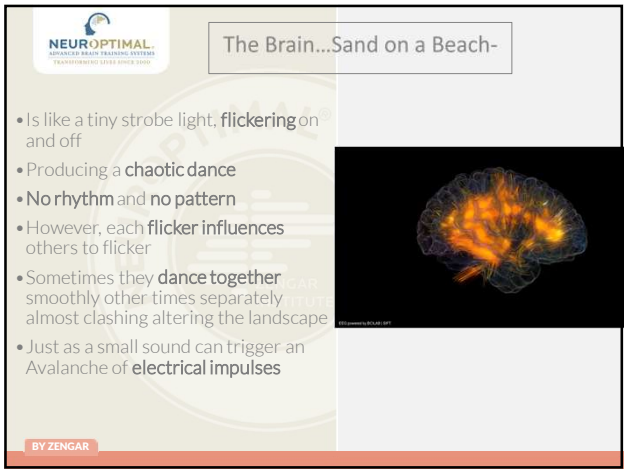
The Philosophy & Theory

9

NEUROPTIMAL
BRAIN BASICS
What we Know About the Brain
• Your Brain is the center of your Central Nervous System (CNS). It is a sophisticated command and control center.
• It is estimated that the human brain has approximately 100 billion (100,000,000,000) neurons and each neuron may have as many as 7,000 synaptic connections to other neurons

10


NEUROPTIMAL
The Brain...Sand on a Beach-
• Is like a tiny strobe light, flickering on and off
• Producing a chaotic dance
• No rhythm and no pattern
• However, each flicker influences others to flicker
• Sometimes they dance together smoothly other times separately almost clashing altering the landscape
• Just as a small sound can trigger an Avalanche of electrical impulses
BY ZENGAR

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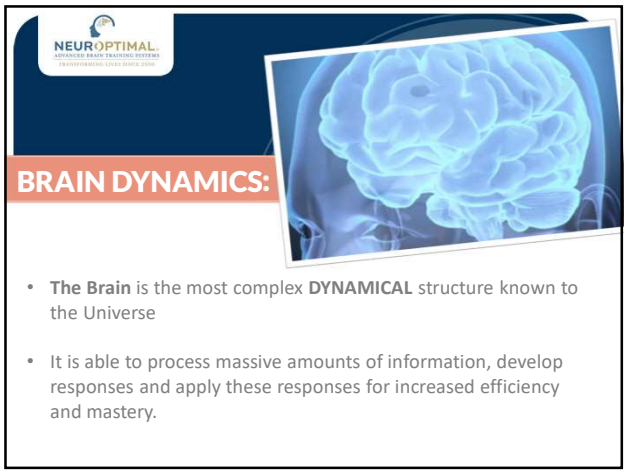
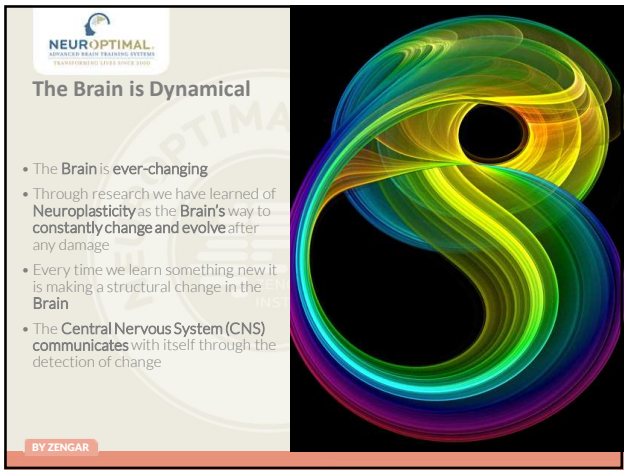

NEUROPTIMAL
BRAIN DYNAMICS:
• The Brain is the most complex DYNAMICAL structure known to the Universe
• It is able to process massive amounts of information, develop responses and apply these responses for increased efficiency and mastery.

12


NEUROPTIMAL
The Brain is Dynamical
• The Brain is ever-changing
• Through research we have learned of Neuroplasticity as the Brain's way to constantly change and evolve after any damage
• Every time we learn something new it is making a structural change in the Brain
• The Central Nervous System (CNS) communicates with itself through the detection of change
BY ZENGAR

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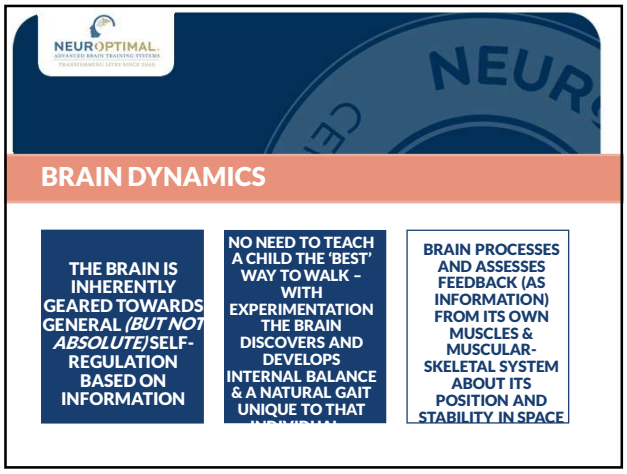
NEUROPTIMAL
BRAIN DYNAMICS
THE BRAIN IS INHERENTLY GEARED TOWARDS GENERAL (BUT NOT ABSOLUTE) SELF-REGULATION BASED ON INFORMATION
NO NEED TO TEACH A CHILD THE 'BEST' WAY TO WALK – WITH EXPERIMENTATION THE BRAIN DISCOVERS AND DEVELOPS INTERNAL BALANCE & A NATURAL GAIT UNIQUE TO THAT
BRAIN PROCESSES AND ASSESSES FEEDBACK (AS INFORMATION) FROM ITS OWN MUSCLES & MUSCULAR-SKELETAL SYSTEM ABOUT ITS POSITION AND STABILITY IN SPACE

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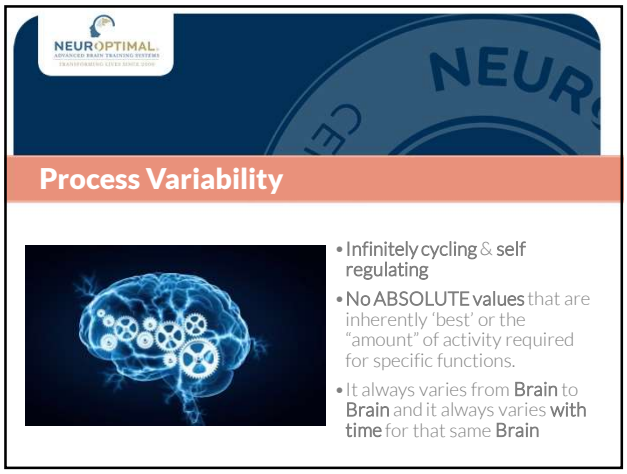
NEUROPTIMAL
Process Variability
• Infinitely cycling & self regulating
• No ABSOLUTE values that are inherently 'best' or the "amount" of activity required for specific functions.
• It always varies from Brain to Brain and it always varies with time for that same Brain

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The CNS Detects Changes: DIFS (as information)

- **D**uration
- **I**ntensity
- **F**requency
- **S**hift

Resulting in **Personal Transformation** supporting general well being (a personalized journey unlike that of anyone else).

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WHAT WE NOTICE ABOUT A HEALTHY SYSTEM…

- The system is **flexible.** It is able to respond quickly to environmental changes and turbulence.
- It is also **resilient**, able to adapt to changes in the ever-changing environment without worry.

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MODULE 2

THE PARADIGM SHIFT IN NEUROFEEDBACK

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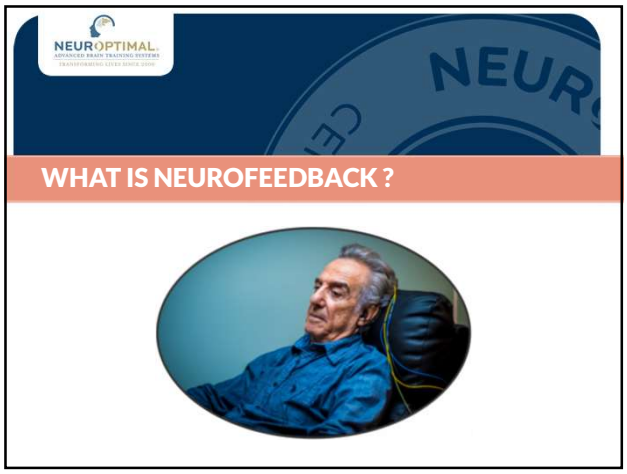
NEUROPTIMAL
WHAT IS NEUROFEEDBACK ?

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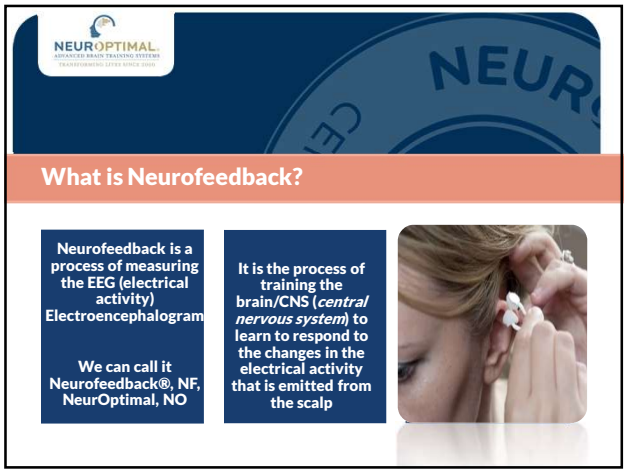
NEUROPTIMAL
What is Neurofeedback?
Neurofeedback is a process of measuring the EEG (electrical activity) Electroencephalogram
We can call it Neurofeedback®, NF, NeurOptimal, NO
It is the process of training the brain/CNS (*central nervous system*) to learn to respond to the changes in the electrical activity that is emitted from the scalp

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NEUROPTIMAL
NEUROFEEDBACK
Neurofeedback is considered a gentle painless and non-invasive method of restoring effective balancing within the Central Nervous System
linear
DYNAMICAL

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NEUROFEEDBACK – 2 BASIC PARADIGMS

LINEAR NON-DYNAMICAL NF- PROCESS USES A SOFTWARE PROGRAM THAT MEASURES CORTICAL ACTIVITY IN 2-WAYS

AMPLITUDE

FREQUENCY

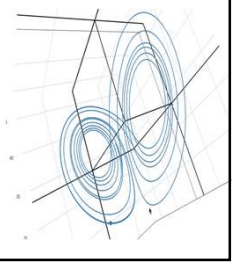
NONLINEAR DYNAMICAL NF ®- USES A SOFTWARE PROGRAM THAT UTILIZES 4 WAYS TO DETECT THE CHANGES IN CORTICAL ACTIVITY-

DURATION-

INTENSITY-

FREQUENCY

SHIFTS



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WHAT DOES IT DO AND HOW DOES NF WORK?

- The Neurofeedback process involves the use of a software program, EEG amplifier and Sensors on the head.
- This process measures the electrical activity that is measured from the scalp (a summation of electro-magnetic information)
- Linear Systems believe this process *helps a person learn to become relaxed and/or focused by providing **real-time information as to how their Brain is performing.

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Navigating the Beam

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NEUROPTIMAL®

LINEAR MODELS

- The **linear model believes** that practitioners need to affect the strength (amplitude) of the signal (*by **augmenting and inhibiting** a specific frequency*). The frequency was *chosen by looking at pre-recorded activity under different conditions (eyes open, closed, reading, counting by 7's starting at 783) this is called a **QEEG**, (*Quantitative Electroencephalogram*). **This Linear approach** uses **thresholds** that are static bars that '**trigger**' the sound, thereby initiating the feedback process.

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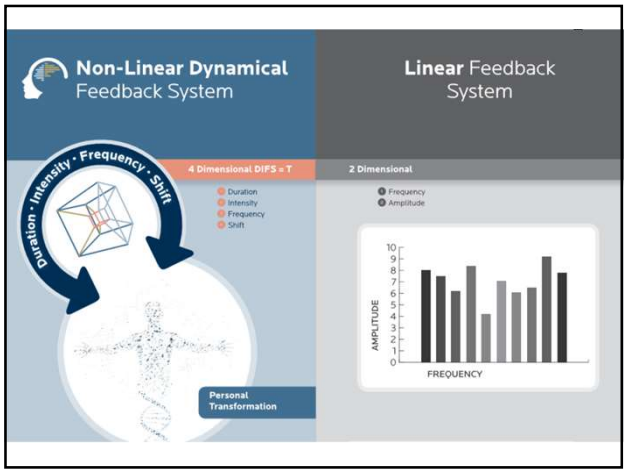

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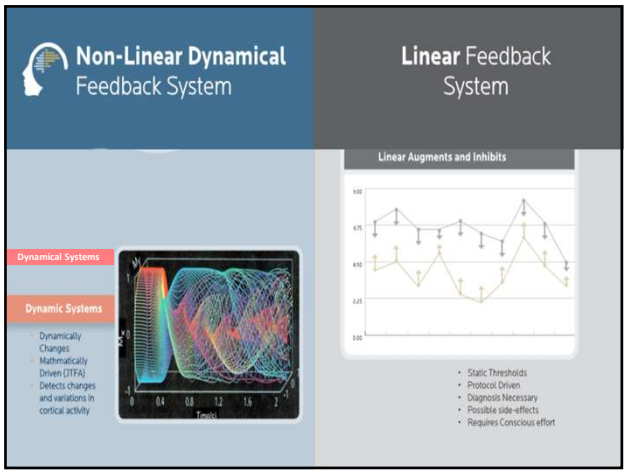

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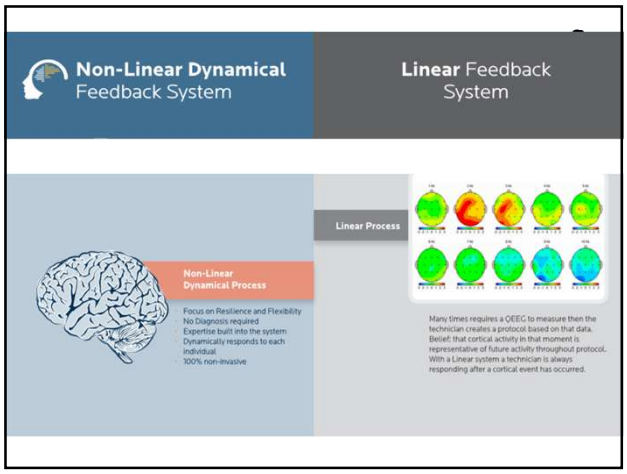
Non-Linear Dynamical Feedback System
Linear Feedback System
Linear Process
Non-Linear Dynamical Process
Focus on Resilience and Flexibility
No Diagnosis required
Expertise built into the system
Dynamically responds to each individual
100% non-invasive
Many times requires a QEEG to measure then the technician creates a protocol based on that data. Belief: that cortical activity in that moment is representative of future activity throughout protocol. With a Linear system a technician is always responding after a cortical event has occurred.

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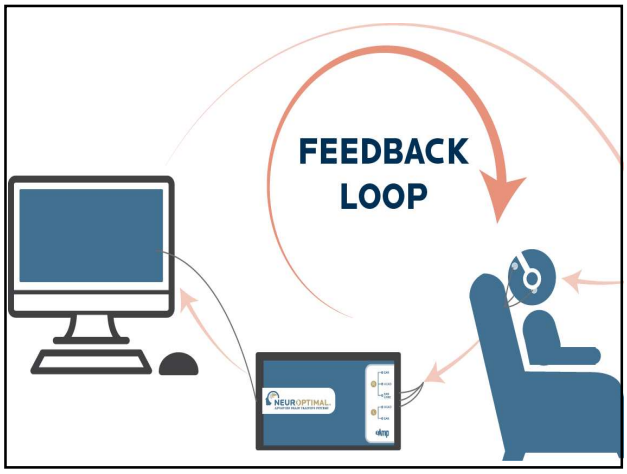
FEEDBACK LOOP
NEUROPTIMAL

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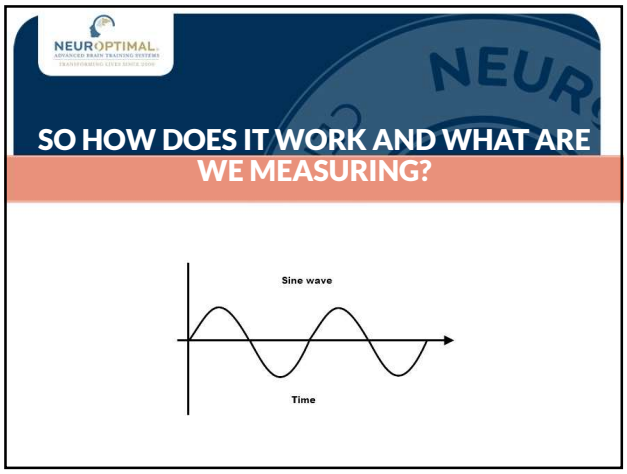
NEUROPTIMAL
SO HOW DOES IT WORK AND WHAT ARE WE MEASURING?
Sine wave
Time

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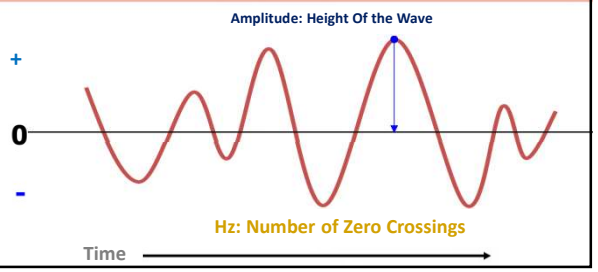
EEG IS A WAVEFORM



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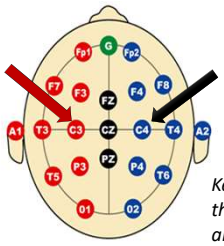
10/20 SYSTEM

Odd numbers indicate Left side of head



Even Numbers indicate Right side of head

**Reading a summation of cortical activity*

Keeping the sensor in the same location allows us to see the same information, it does NOT change the training

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WHY NEUROFEEDBACK HELPS

DISORDERS ARE EXACERBATED BY STRESS; AS THE BODY RESPONDS TO STRESS IT NATURALLY CREATES 'PATTERNS OF ELECTRICAL ACTIVITY' IN

AS ENVIRONMENTAL TRIGGERS GET ACTIVATED EVENTUALLY A PHYSICAL SYMPTOM WILL MANIFEST.

THE PROCESS OF GENERAL NEUROFEEDBACK WILL TRAIN A DIFFERENT RESPONSE BY USING THAT FEEDBACK LOOP. (PREVIOUS SCREEN)

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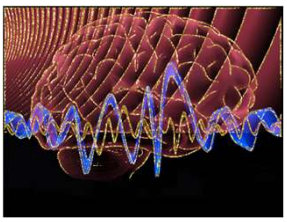
NOT EVERYTHING OUT THERE IS NF

Entrainment & Migration Systems

- Sound Systems
- Binaural Beats



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MODULE 3

THE HISTORY OF NEUROPTIMAL®

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HISTORY OF NEUROPTIMAL®

"Creating a Non-Linear System in a Linear World"

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Zengar Mission Statement

Zengar Institute Inc.

*The **Zengar** mission is to **create, deliver and support** the most effective and **safe brain training system** available in the world today.*

*The purpose of this endeavor reflects the mission of its founders- to **relieve suffering***

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A FEW HISTORICAL HIGHLIGHTS IN THE FIELD

Discovery of **SMR (Sensory Motor Rhythm)** 14 Hz
Barry Sterman

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ALPHA/THETA PROTOCOL

The Alpha/Theta - **Peniston** Protocol- for Addictions

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NEUROPTIMAL
LINEAR NEUROFEEDBACK AS A TREATMENT MODEL FOR ADHD
Theta-Beta Ratio and Alpha State Training for better focus- Joel Lubar

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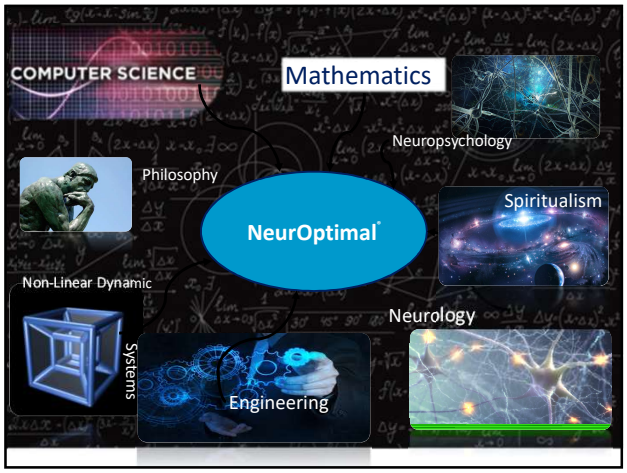
COMPUTER SCIENCE
Mathematics
Neuropsychology
Philosophy
NeurOptimal®
Spiritualism
Non-Linear Dynamic
Neurology
Systems
Engineering

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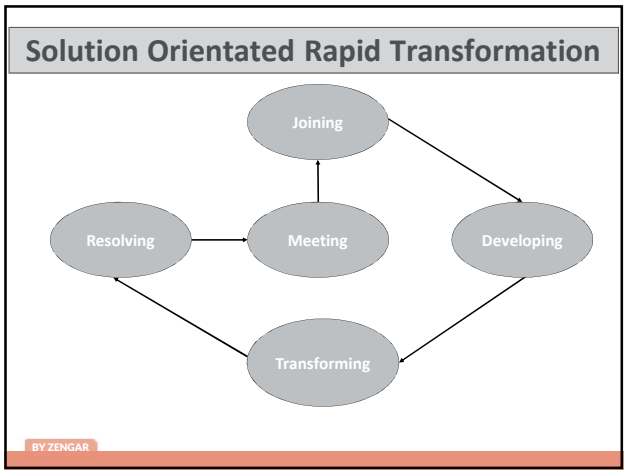
Solution Orientated Rapid Transformation
Joining
Resolving
Meeting
Developing
Transforming
BY ZENGAR

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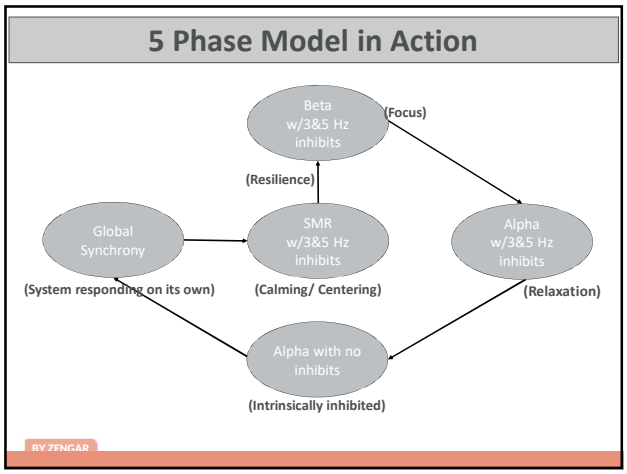
5 Phase Model in Action
Beta w/3&5 Hz inhibits
(Focus)
(Resilience)
Global Synchrony
SMR w/3&5 Hz inhibits
Alpha w/3&5 Hz inhibits
(System responding on its own)
(Calming/ Centering)
(Relaxation)
Alpha with no inhibits
(Intrinsically inhibited)
BY ZENGAR

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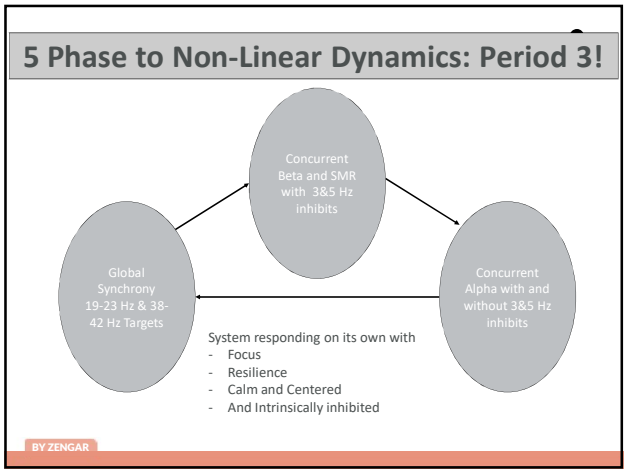
5 Phase to Non-Linear Dynamics: Period 3!
Concurrent Beta and SMR with 3&5 Hz inhibits
Global Synchrony 19-23 Hz & 38-42 Hz Targets
Concurrent Alpha with and without 3&5 Hz inhibits
System responding on its own with
- Focus
- Resilience
- Calm and Centered
- And Intrinsically inhibited
BY ZENGAR

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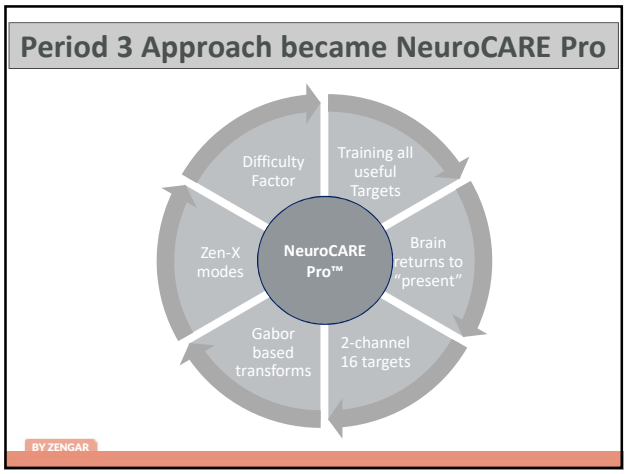
Period 3 Approach became NeuroCARE Pro
Difficulty Factor
Training all useful Targets
Zen-X modes
NeuroCARE Pro™
Brain returns to "present"
Gabor based transforms
2-channel 16 targets
BY ZENGAR

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CARE® MODEL IN NEUROCARE PRO

Comprehensive

Adaptive

Renormalization of the

EEG

- We simply give information to the **CNS**
- **JTFA** is used in the NO process- this **mimics** the **method of communication** used naturally in the **CNS**
- **Renormalization**, though non-linear dynamical
- **Transformation**

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OUR (NOW HISTORICAL): VERSION 2.0

- Transitioned into full Auto-Navigation
- No need to set 'Difficulty Levels'
- Completely allowing NO to 'dance' with EEG
- Additional Media Options

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NEUROPTIMAL® TODAY

NO3

Microsoft

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1993-2000	•5 Phase Model •Period 3
2003-2018	•NeuroCAREPro •v.2
2018	•NO3

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MODULE 4

WHAT IS NEUROPTIMAL® AND BASICALLY HOW DOES IT WORK?

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WHAT IS NEUROPTIMAL®

- It is **safe**
- **No** need for a **diagnosis**
- It is **training** not treatment
- It is a set of proprietary Mathematical Transforms-
- **JTFA and NDS** (Nonlinear Dynamical Systems)
- Unique **Time-Frequency Envelopes (TFEs)**

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NEUROPTIMAL
NO & Process Variability
• Because our Brain is Infinitely cycling & self regulating NO is also responding in this same way.
• We understand there are No ABSOLUTE values that are inherently 'best' or the "amount" of activity required for specific functions. Therefore, we do not assume there is a 'perfect' amplitude of any specific frequency level
• It always varies from Brain to Brain and it always varies with time for that same Brain and therefore, the NO system also cycles and responds to each individual brain each time they are 'hooked-up'

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NEUROPTIMAL
THE ORCHESTRA
gettyimages

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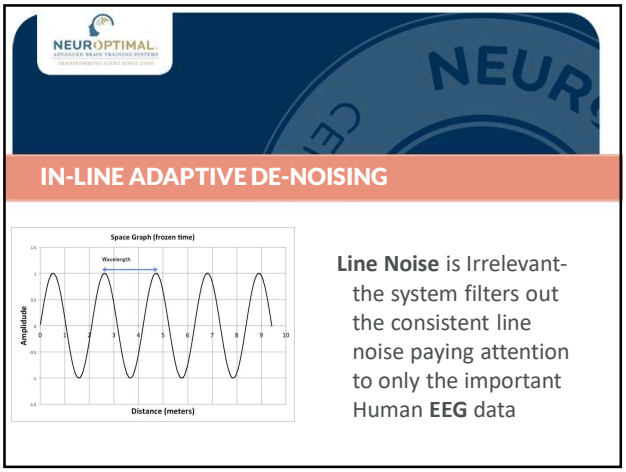
NEUROPTIMAL
IN-LINE ADAPTIVE DE-NOISING
Space Graph (frozen time)
Wavelength
Amplitude
Distance (meters)
Line Noise is Irrelevant- the system filters out the consistent line noise paying attention to only the important Human EEG data

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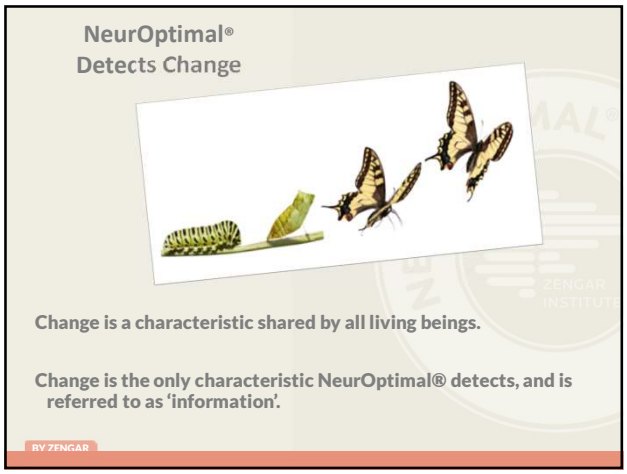
NeurOptimal®
Detects Change
Change is a characteristic shared by all living beings.
Change is the only characteristic NeurOptimal® detects, and is referred to as 'information'.
BY ZENGAR

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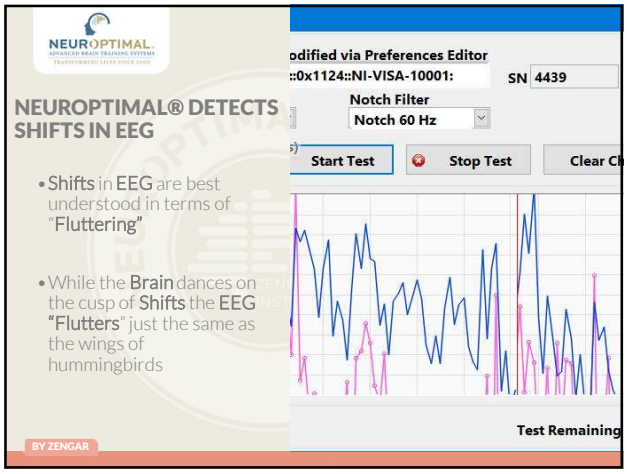
NEUROPTIMAL®
NEUROPTIMAL® DETECTS SHIFTS IN EEG
• Shifts in EEG are best understood in terms of "Fluttering"
• While the Brain dances on the cusp of Shifts the EEG "Flutters" just the same as the wings of hummingbirds
BY ZENGAR
odified via Preferences Editor
::0x1124::NI-VISA-10001:
SN 4439
Notch Filter
Notch 60 Hz
Start Test
Stop Test
Test Remaining

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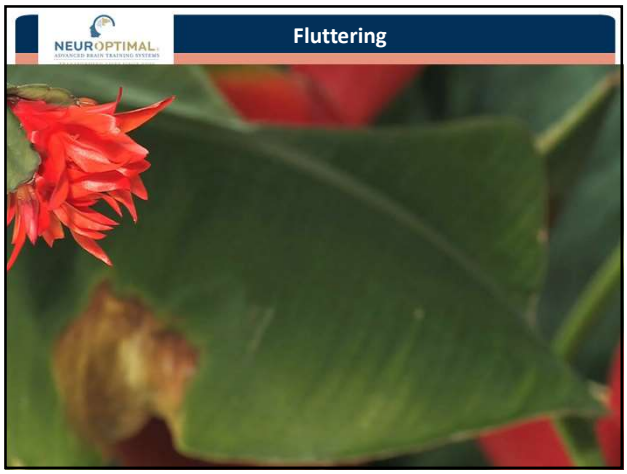
NEUROPTIMAL®
Fluttering

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THE ELEGANCE OF CAPTURING THE EEG FLUTTERING

- **NeurOptimal®** can virtually ignore **linear** measures like Power, etc.
- Using Unique, Proprietary **Time-Frequency Envelopes or TFE**s
- **NeurOptimal®** captures **EEG Fluttering** and this leads to
- **Interrupts** or Pauses in the Sound
- Heard as **"crackling" or "static"**
- Informing the **Brain** that it's about to **Shift**

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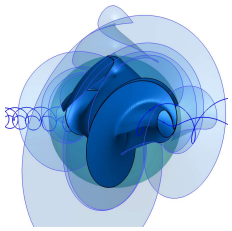
FUNCTIONAL TARGETING

- This is how the Brain receives **crucial information** about itself via the mirroring of **NO**
- The '**Dynamical Range of Variability**' or **Fluttering** around the different '**Time-Frequency Envelopes**' (**TFE**)
- Allowing for **individualized optimal balancing** as determined by that **Brain**



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NONLINEAR DYNAMICAL SYSTEMS

- This **non-linear, dynamical approach** mirrors '**information**' (*changes in cortical activity*) micro-second by micro-second
- And then the **CNS** (central nervous system) will respond by learning a **new pattern of cortical activity**
- Many experience the wishes for comfort as transforming improving their over-all wellness.

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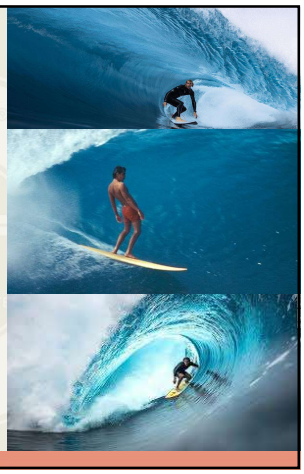
Not Diminishing Turbulence...

- That's looking at Frequency and Amplitude based methods
- Assessment is irrelevant
- Diagnostically Agnostic
- Comprehensive and Adaptive Training: not "*One size fits all*" and NOT a "*Plug and Play*" that assumes it is all the same training.



BY ZENGAR

61

"DON'T GO THERE!!"

Welcome to **The Treatment Zone**

62

NEUROPTIMAL® IS NONMEDICAL

- There is no diagnosis necessary
- No treatments
- No protocols
- No therapy
- No stimulation
- No entrainment or migration

63

NEUROPTIMAL® BENEFITS

- The benefits are s**ubtle** changes that occur naturally at different times for different people. In children it may look like they just **matured**.
- It is not uncommon for people to suddenly feel they are better but not recognize when the change occurred.
- This is why we suggest **tracking feelings** and **changes** using our **Progress Tracking Tools**, or in a journal to measure the process over a period of time to realize how the body has "matured" over the process.

64

Let's Take A Ride…

65

DYNAMIC SYSTEMS CONTROL PROCEDURES:

entrainment

- **Extrinsic Constraints-**
  - *Anything that limits the range of variability in nonlinear systems*
- **Chaotic Perturbation**
  - Randomly changing individual controls (like Linear systems do)
- **Entrain & Migrate**
  - Sound systems- *'Listening System', Binaural Beats etc….*
- **Synchronization through Chaos**
  - ***The NeurOptimal® process***

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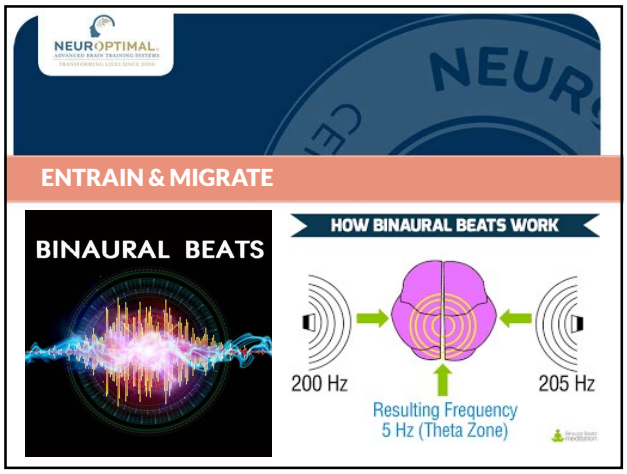
66

NEUROPTIMAL
EXTRINSIC CONSTRAINTS
Medications
Light & Sound Therapy
Linear
Neurofeedback

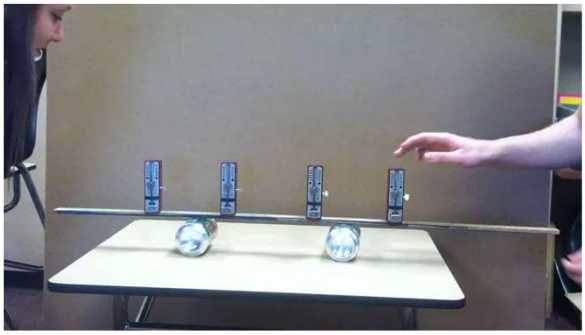
67

NEUROPTIMAL
CHAOTIC PERTURBATION
Chasing Chaos to see what might work...
HERDING CATS
Randomly Changing Controls until you discover something that you believe might work

68


NEUROPTIMAL
ENTRAIN & MIGRATE
BINAURAL BEATS
HOW BINAURAL BEATS WORK
200 Hz
205 Hz
Resulting Frequency
5 Hz (Theta Zone)

69



70

Making Sense of the EEG Chaos…

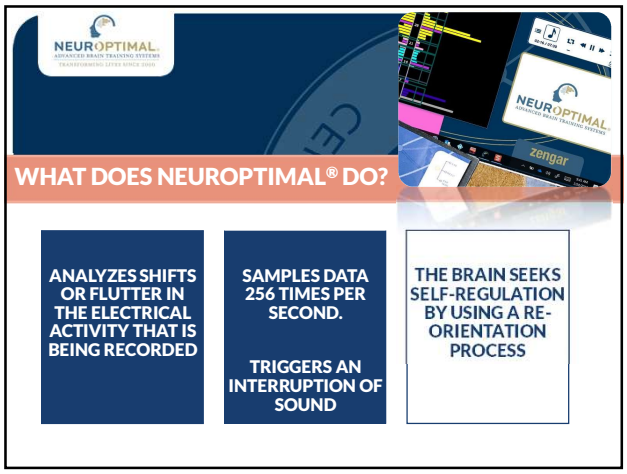
So, using a Control Procedure called **'Synchronization through Chaos', JTFA,** *a mathematical process* is able to measure and give feedback (data) to the CNS about the cortical activity

71

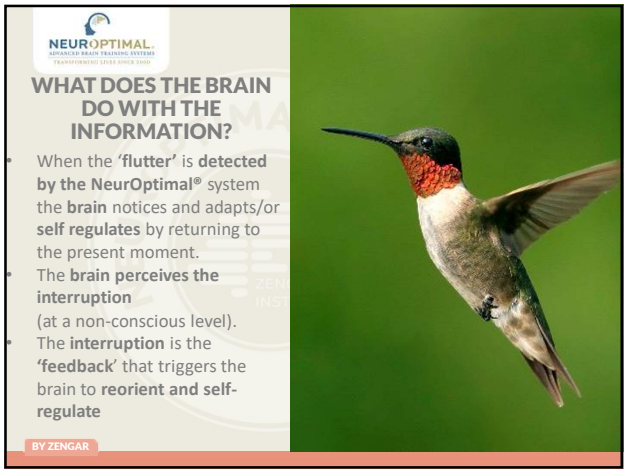
DIAGNOSTICALLY AGNOSTIC

- Therefore, with the **NeurOptimal®** process it doesn't matter if the individual has a **diagnosis or a condition.**
- The Mathematical Software program gives **Information** that is Individualized and 'fed-back' for personalized **Optimal Training.**
- We will **not** do anything different with our process, the system will mirror the information and the individual will readjust for their own 'Optimal' as their body determines is best for them.

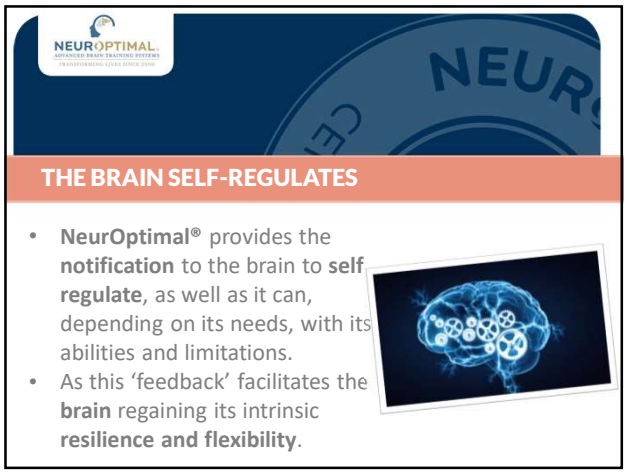
72


NEUROPTIMAL
WHAT DOES NEUROPTIMAL® DO?
ANALYZES SHIFTS OR FLUTTER IN THE ELECTRICAL ACTIVITY THAT IS BEING RECORDED
SAMPLES DATA 256 TIMES PER SECOND.
TRIGGERS AN INTERRUPTION OF SOUND
THE BRAIN SEEKS SELF-REGULATION BY USING A RE-ORIENTATION PROCESS

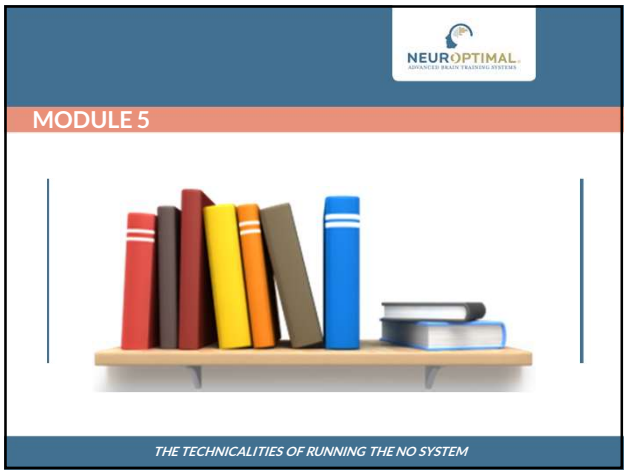
73


NEUROPTIMAL
WHAT DOES THE BRAIN DO WITH THE INFORMATION?
When the 'flutter' is detected by the NeurOptimal® system the brain notices and adapts/or self regulates by returning to the present moment.
The brain perceives the interruption (at a non-conscious level).
The interruption is the 'feedback' that triggers the brain to reorient and self-regulate
BY ZENGAR

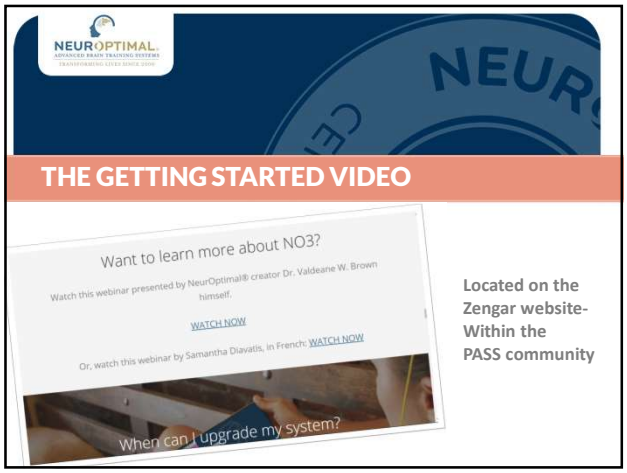
74


NEUROPTIMAL
THE BRAIN SELF-REGULATES
NeurOptimal® provides the notification to the brain to self regulate, as well as it can, depending on its needs, with its abilities and limitations.
As this 'feedback' facilitates the brain regaining its intrinsic resilience and flexibility.

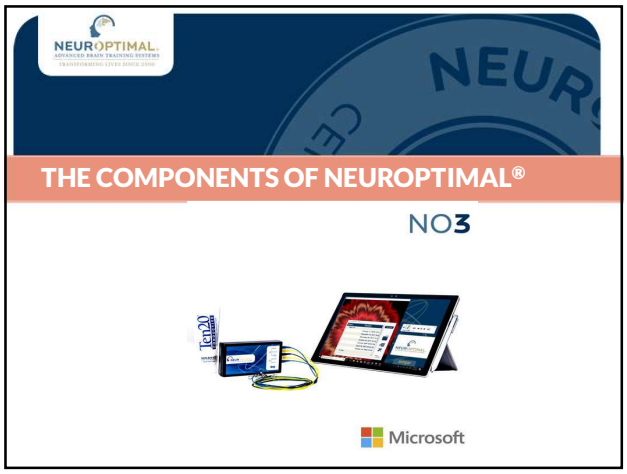
75


NEUROPTIMAL
MODULE 5
THE TECHNICALITIES OF RUNNING THE NO SYSTEM

76


NEUROPTIMAL
THE GETTING STARTED VIDEO
Want to learn more about NO3?
Watch this webinar presented by NeurOptimal® creator Dr. Valdeane W. Brown himself.
WATCH NOW
Or, watch this webinar by Samantha Diavatis, in French: WATCH NOW
When can I upgrade my system?
Located on the Zengar website- Within the PASS community

77


NEUROPTIMAL
THE COMPONENTS OF NEUROPTIMAL®
NO3
Microsoft

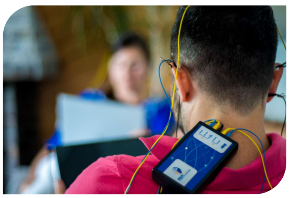
78

NEUROPTIMAL®

OPEN YOUR SYSTEM AND WE CAN JOURNEY TOGETHER

Navigating Zengar NO3

Basic Concepts, Controls and Functions
- How to Add (and edit) a Client
- Add a Location
- Adding a Trainer
- Starting the Session
- After Session Views



79

NEUROPTIMAL®

NeurOptimal® NO3

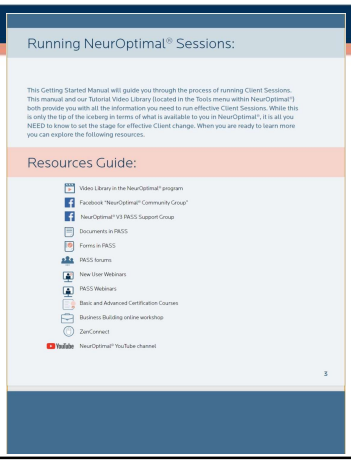
NeurOptimal® 3 Tutorials:
General Tour

80

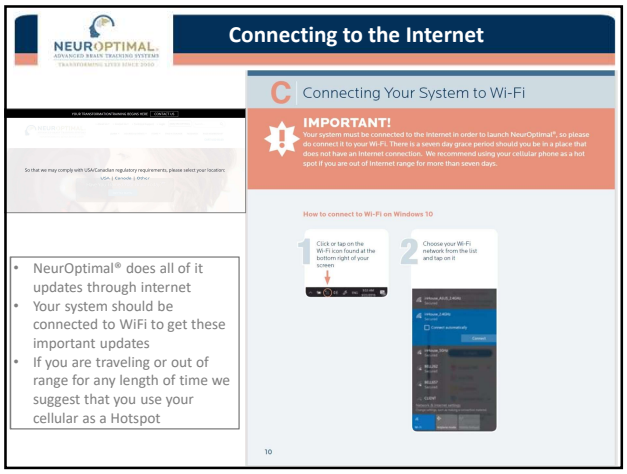
NEUROPTIMAL®

Resources for Learning How to Run NO Sessions

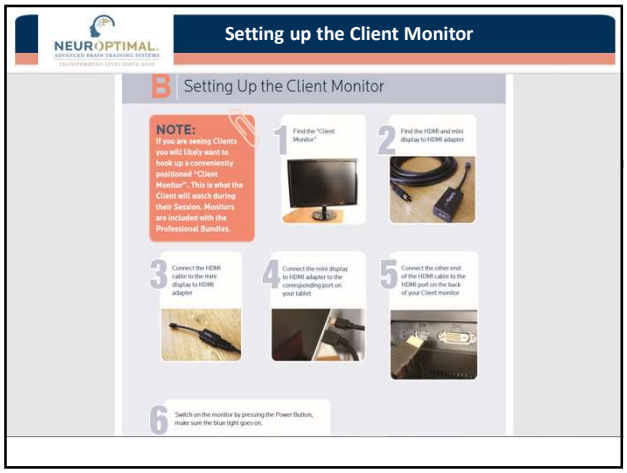
- Video Library
- Facebook NeurOptimal® Community Group
- Facebook NO3 PASS Support Group
- Documents in PASS
- Forms in PASS
- New User Webinars
- PASS Webinars
- Basic & Advanced Certification Courses
- Business Building Course
- ZenConnect
- YouTube Zengar Channel



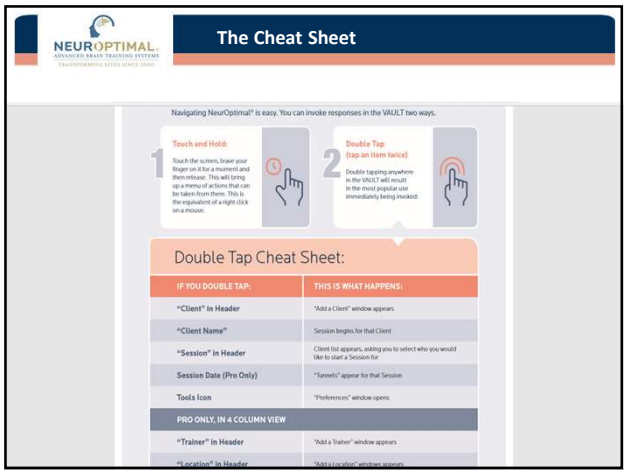
81


NEUROPTIMAL®
Connecting to the Internet
C Connecting Your System to Wi-Fi
IMPORTANT!
How to connect to Wi-Fi on Windows 10
1 Click or tap on the Wi-Fi icon found at the bottom right of your screen
2 Choose your Wi-Fi network from the list and tap on it
• NeurOptimal® does all of it updates through internet
• Your system should be connected to WiFi to get these important updates
• If you are traveling or out of range for any length of time we suggest that you use your cellular as a Hotspot
10

82


NEUROPTIMAL®
Setting up the Client Monitor
B Setting Up the Client Monitor
NOTE:
If you are seeing Clients you will likely want to hook up a conveniently positioned "Client Monitor". This is what the Client will watch during their Session. Monitors are included with the Professional Bundles.
1 Find the "Client Monitor"
2 Find the HDMI and mini display to HDMI adapter
3 Connect the HDMI cable to the mini display to HDMI adapter
4 Connect the mini display to HDMI adapter to the corresponding port on your tablet
5 Connect the other end of the HDMI cable to the HDMI port on the back of your Client monitor
6 Switch on the monitor by pressing the Power Button, make sure the blue light goes on.

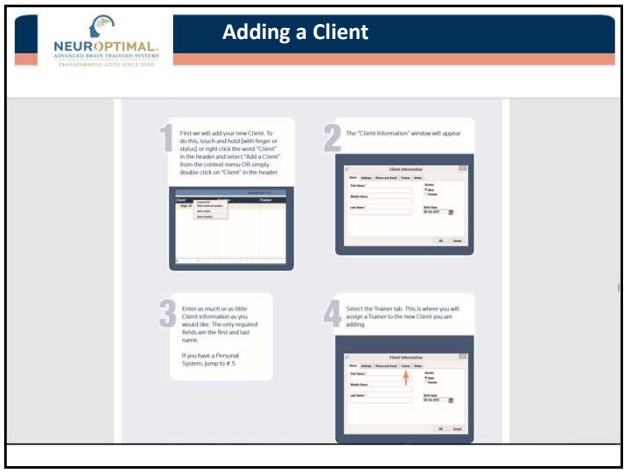
83


NEUROPTIMAL®
The Cheat Sheet
Navigating NeurOptimal® is easy. You can invoke responses in the VAULT two ways.
1 Touch and Hold:
Touch the screen, leave your finger on it for a moment and then release. This will bring up a menu of actions that can be taken from there. This is the equivalent of a right click on a mouse.
2 Double Tap (tap an item twice)
Double tapping anywhere in the VAULT will result in the most popular use immediately being invoked.
Double Tap Cheat Sheet:
IF YOU DOUBLE TAP: | THIS IS WHAT HAPPENS:
"Client" in Header | "Add a Client" window appears
"Client Name" | Session begins for that Client
"Session" in Header | Client list appears, asking you to select who you would like to start a Session for
Session Date (Pro Only) | "Tunnels" appear for that Session
Tools Icon | "Preferences" window opens
PRO ONLY, IN 4 COLUMN VIEW
"Trainer" in Header | "Add a Trainer" window appears
"Location" in Header | "Add a Location" window appears

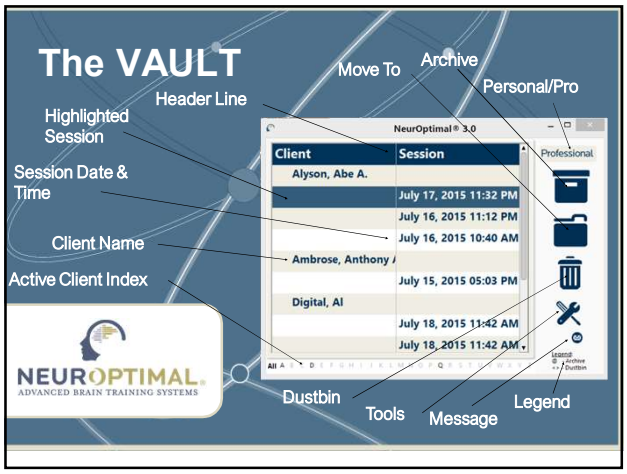
84

NEUROPTIMAL
Launching the System
1
2
3
WINDOW
VAULT:
PRO SYSTEM
PERSONAL SYSTEM

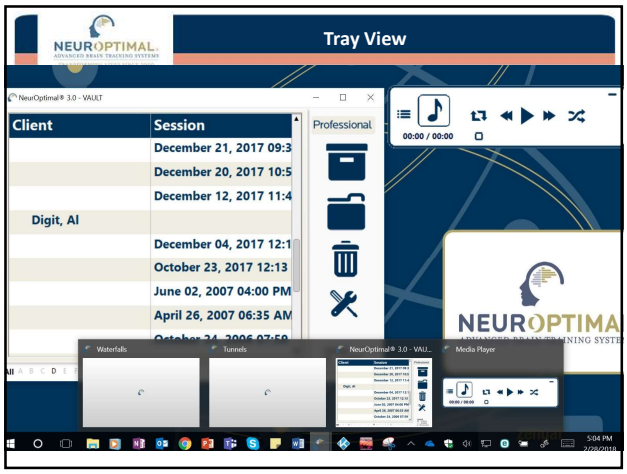
85


NEUROPTIMAL
Adding a Client
1
2
3
4

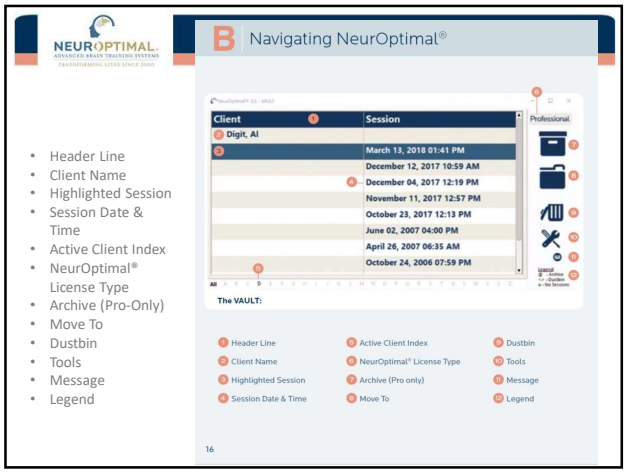
86


The VAULT
Move To
Archive
Personal/Pro
Header Line
Highlighted Session
Session Date & Time
Client Name
Active Client Index
NeurOptimal® 3.0
Client
Session
Professional
Alyson, Abe A.
July 17, 2015 11:32 PM
July 16, 2015 11:12 PM
July 16, 2015 10:40 AM
Ambrose, Anthony
July 15, 2015 05:03 PM
Digital, AI
July 18, 2015 11:42 AM
July 18, 2015 11:42 AM
NEUROPTIMAL
ADVANCED BRAIN TRAINING SYSTEMS
Dustbin
Tools
Message
Legend

87


Tray View
Client
Session
Professional
December 21, 2017 09:3
December 20, 2017 10:5
December 12, 2017 11:4
Digit, Al
December 04, 2017 12:1
October 23, 2017 12:13
June 02, 2007 04:00 PM
April 26, 2007 06:35 AM
00:00 / 00:00
Waterfalls
Tunnels
Media Player

88


Navigating NeurOptimal®
Header Line
Client Name
Highlighted Session
Session Date & Time
Active Client Index
NeurOptimal® License Type
Archive (Pro-Only)
Move To
Dustbin
Tools
Message
Legend
Client
Session
Digit, Al
March 13, 2018 01:41 PM
December 12, 2017 10:59 AM
December 04, 2017 12:19 PM
November 11, 2017 12:57 PM
October 23, 2017 12:13 PM
June 02, 2007 04:00 PM
April 26, 2007 06:35 AM
October 24, 2006 07:59 PM
Professional
The VAULT:
Header Line
Client Name
Highlighted Session
Session Date & Time
Active Client Index
NeurOptimal® License Type
Archive (Pro only)
Move To
Dustbin
Tools
Message
Legend
16

89

Archive Folder
Explore Archive
Client
Session
Trainer
Location
<none>
Trainer
<none>
Location
<none>

90

I Don't See Trainer Or Location

- Press & Hold on the word Client or Session and select Show Trainer & Location
- The VAULT expands to reveal Trainer and Location
- Grab and Drag the edges of the VAULT to resize it as you like
- Grab and Drag the Windows Title Area at the top of the VAULT to reposition it
- Your new Preferences will be remembered the next time you start NO3

91

Client List within the VAULT

92

What Can I Do With A Session?

- Right Click on a Session – NOT the Header – and you will see all of the options that are available to you
- Personal will not have a number of these options: eg Playback This Session, Tunnels and Waterfalls
- Let's choose a Session and select Playback This Session
- You'll see the Matrix Mirror pop up along with the TRAIN Player
- The Media Player interface has also been visible and we'll explore it later

93

Some Windows Are Rounded

- The **TRAIN Player** and **NO Media Player** both have rounded corners
- They can not be resized but you can **Grab and Drag** them wherever you want and they will open up where you left them last
- The "**X**" in the upper right corner of the **TRAIN Player** will stop **Playback** of the **Session** and close the **TRAIN Player**
- You can **Grab and Drag** the **Progress Bar** to move to a different time in the **Session**

94

The **Matrix Mirror**: Introduction

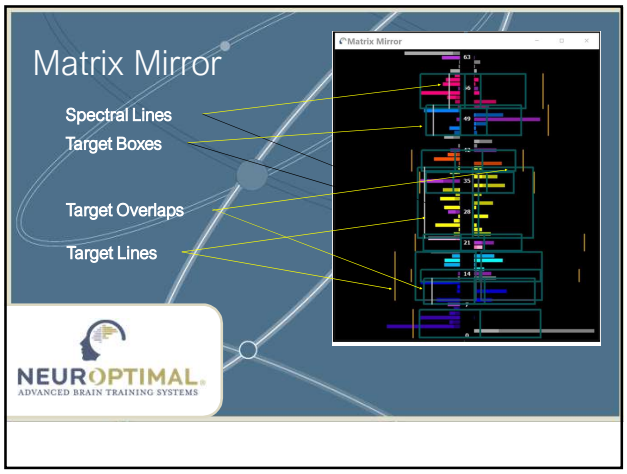
- The earliest versions of **NeuroCARE Pro™** used the **Matrix Mirror**
- **Spectra** and **Targets** were layered on top of each other and you had to **Grab and Drag** each of the **16 Targets** to change their **Thresholds throughout the Session**
- **NO3** brings back the **Matrix Mirror** with some new Features – and no longer having to **Grab and Drag** each **Target**
- The **Matrix Mirror** integrates **High Hertz** into the new, default **20 Targets**

95

The **Matrix Mirror**: Introduction

- You can change the vertical scale of the **Matrix Mirror**
- **You can separate Spectra** and **Targets** and set a different **Time-Frequency Scale** for each
- You can migrate the **Time-Frequency Scale** of one to the other
- If **Spectra** and **Targets** are in differentially sized **Windows** they will overlay in the same sized **Window** but will remember the separated sizes when you return.

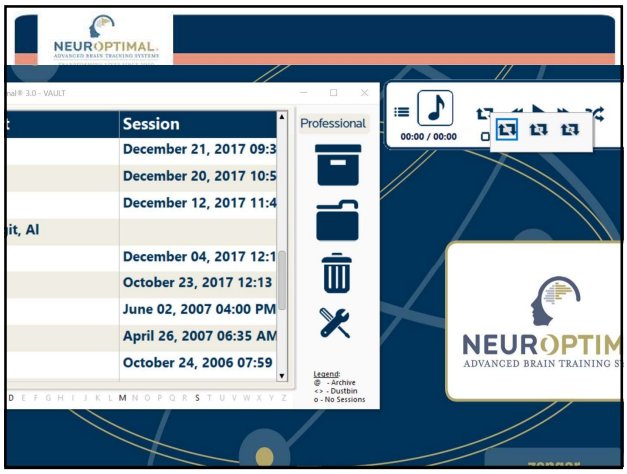
96


Matrix Mirror
Spectral Lines
Target Boxes
Target Overlaps
Target Lines
NEUROPTIMAL
ADVANCED BRAIN TRAINING SYSTEMS

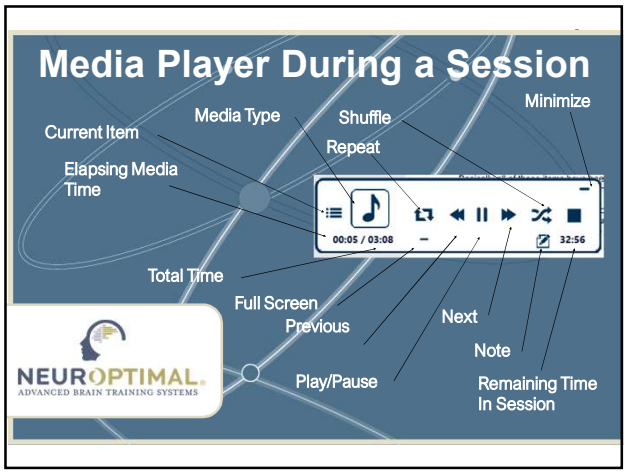
97

NEUROPTIMAL
Media Player: Introduction
The NO Media Player uses the Open Source Kodi Media Player to replace the Legacy Windows Media Player
This allows for an extensive list of available Audiovisual Sources: including
iTunes songs & playlists
CD/DVD
Movies
Select Streaming Audio & Video

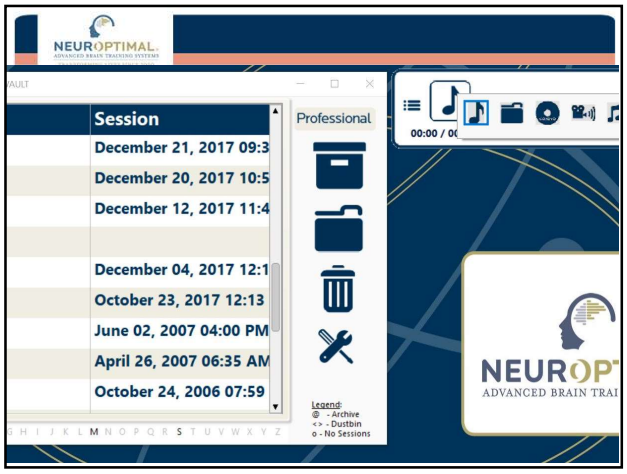
98


NEUROPTIMAL
Session
December 21, 2017 09:3
December 20, 2017 10:5
December 12, 2017 11:4
December 04, 2017 12:1
October 23, 2017 12:13
June 02, 2007 04:00 PM
April 26, 2007 06:35 AM
October 24, 2006 07:59
Professional
00:00 / 00:00
NEUROPTIM
ADVANCED BRAIN TRAINING

99


Media Player During a Session
Current Item
Media Type
Shuffle
Repeat
Minimize
Elapsing Media Time
00:05 / 03:08
32:56
Total Time
Full Screen
Previous
Next
Note
Play/Pause
Remaining Time In Session
NEUROPTIMAL
ADVANCED BRAIN TRAINING SYSTEMS

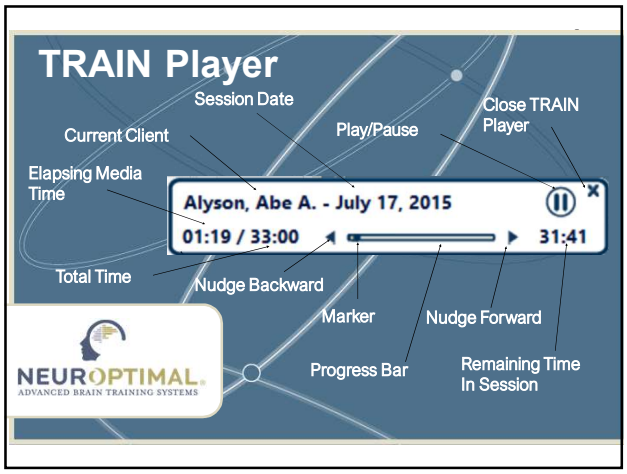
100


NEUROPTIMAL
Session
December 21, 2017 09:3
December 20, 2017 10:5
December 12, 2017 11:4
December 04, 2017 12:1
October 23, 2017 12:13
June 02, 2007 04:00 PM
April 26, 2007 06:35 AM
October 24, 2006 07:59
Professional
Legend:
@ - Archive
<> - Dustbin
o - No Sessions

101

NEUROPTIMAL
TRAIN Player: Introduction
The TRAIN Player replaces the Legacy Journey Playback component
NO3 uses a new file format: TRAIN files replace Legacy JRY & OPR files
All previously saved Journeys will be automatically converted into TRAIN files by the Migration Utility
Pre, Training & Post groups will be condensed into a single TRAIN
Pre-Post pairs without a Training JRY will be made into one TRAIN file

102


TRAIN Player
Session Date
Current Client
Play/Pause
Close TRAIN Player
Elapsing Media Time
Alyson, Abe A. - July 17, 2015
01:19 / 33:00
31:41
Total Time
Nudge Backward
Marker
Nudge Forward
Progress Bar
Remaining Time In Session
NEUROPTIMAL
ADVANCED BRAIN TRAINING SYSTEMS

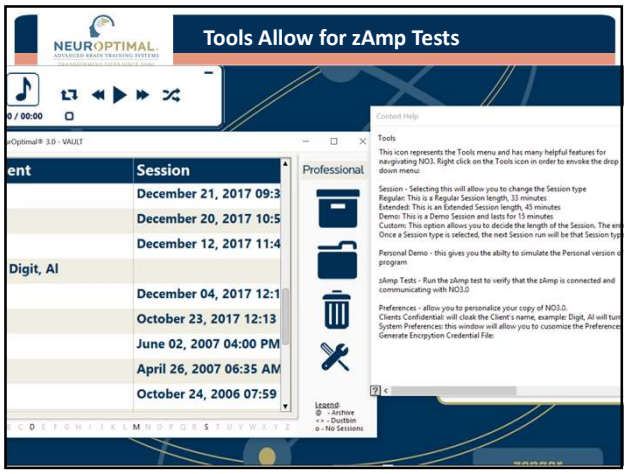
103

NEUROPTIMAL
Session
December 21, 2017 09:3
December 20, 2017 10:5
December 12, 2017 11:4
Digit, AI
December 04, 2017 12:1
October 23, 2017 12:13
June 02, 2007 04:00 PM
April 26, 2007 06:35 AM
October 24, 2006 07:59
Professional
Personal Mode
zAmp Tests...
Preferences
PASS
MouseCall
Refresh Licensing
Restart NO Media Player
How To Videos
Show Context Help (Ctrl+H)
About...
Regular
Extended
Demo
Custom

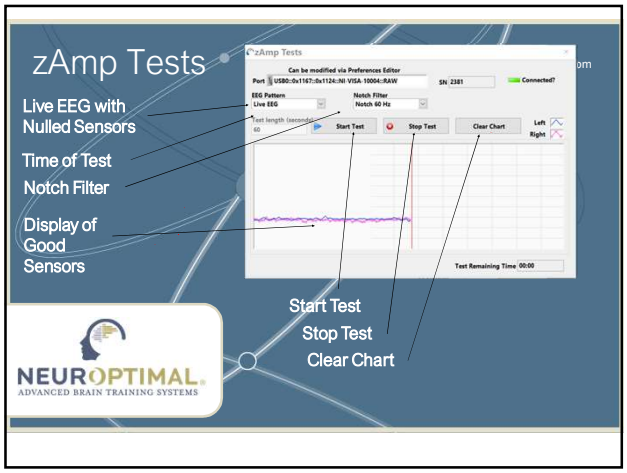
104

NEUROPTIMAL
Session
December 21, 2017 09:3
December 20, 2017 10:5
December 12, 2017 11:4
Digit, AI
December 04, 2017 12:1
October 23, 2017 12:13
June 02, 2007 04:00 PM
April 26, 2007 06:35 AM
October 24, 2006 07:59
Professional
Personal Mode
zAmp Tests...
Preferences
PASS
MouseCall
Refresh Licensing
Restart NO Media Player
How To Videos
Show Context Help (Ctrl+H)
About...
Clients Confidential
System Preferences
Generate Encryption Credential File

105


NEUROPTIMAL
Tools Allow for zAmp Tests
Session
December 21, 2017 09:3
December 20, 2017 10:5
December 12, 2017 11:4
Digit, AI
December 04, 2017 12:1
October 23, 2017 12:13
June 02, 2007 04:00 PM
April 26, 2007 06:35 AM
October 24, 2006 07:59
Professional

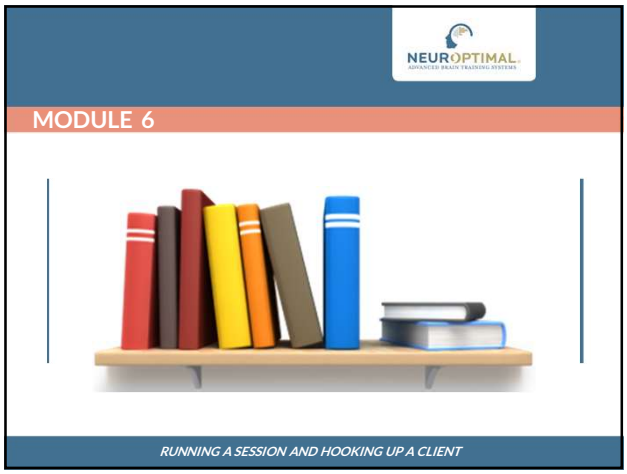
106


zAmp Tests
Live EEG with Nulled Sensors
Time of Test
Notch Filter
Display of Good Sensors
Start Test
Stop Test
Clear Chart
NEUROPTIMAL
ADVANCED BRAIN TRAINING SYSTEMS

107

NEUROPTIMAL
DAY 2

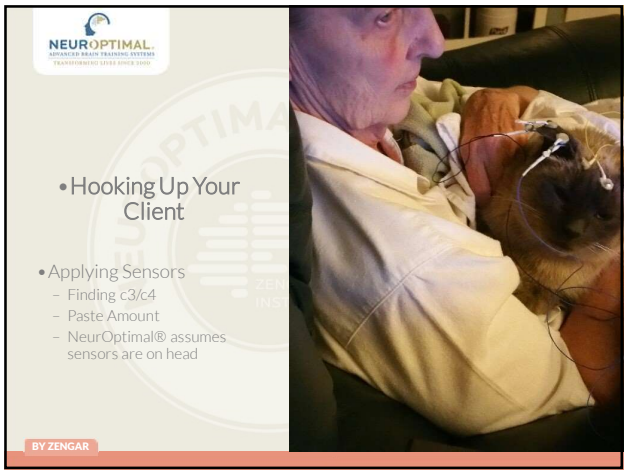
108


NEUROPTIMAL
MODULE 6
RUNNING A SESSION AND HOOKING UP A CLIENT

109

NEUROPTIMAL
Hooking yourself up!

110


NEUROPTIMAL
• Hooking Up Your Client
• Applying Sensors
– Finding c3/c4
– Paste Amount
– NeurOptimal® assumes sensors are on head
BY ZENGAR

111

'Hooking Up' Your Client

112

SENSOR INFORMATION

- Positioning/location –C3/C4
- Removing Sensors
- Cleaning Sensors
- Storing Sensors
- Replacing Sensors
- Spare Set of Sensors

113

REMOVING SENSORS

114

NEUROPTIMAL®

MODULE 7

THE ROLE OF THE TRAINER

115

NEUROPTIMAL®

Train yourself!
Credibility communicates better so "Walk the Talk"

TRAINING YOUR BRAIN

116

How to Introduce this Concept to your Clients

NEUROPTIMAL®

THE BODY DETECTS CHANGE AND CHANGE IS INEVITABLE = DYNAMICAL

117

THE ROLE OF THE TRAINER

- Being a Detective… looking for minute 'shifts' (changes)
- Releasing Expectations…
- Educating the Clients…
- Answering their questions
- Monitoring their Shifts
- Be OK if Client doesn't 'feel' a change

"IT IS NOT YOUR RESPONSIBILITY TO 'FIX' THE CLIENT, IT YOUR RESPONSIBILITY TO PROVIDE THE PROCESS…" DR. SUE BROWN

118

AS A TRAINER OUR JOB IS TO HELP MEASURE THE DIFS

- **Duration**- how long does this symptom last
- **Intensity**- how strong of a feeling (i.e. pain, behavior or headache)
- **Frequency**- how often is this occurring now
- **Shifts**- the actual changes that occur

119

Recognizing the Shifts

120

ANALYSIS: MEASURING SHIFTS RATHER THAN COUNTING NUMBERS!

- What is a Shift- *a change/ a flutter in the EEG*
- Types of Shifts- *Physiological, Cognitive, Psychological, Physical*
- How to recognize a Shift occurred- *a change in the perception of their concerns*
- Tool for Tracking Shifts
- The 'Wish List'

A TRAINER BEING A DETECTIVE IS A PARADIGM CHANGE...WE ARE NOT THERAPISTS

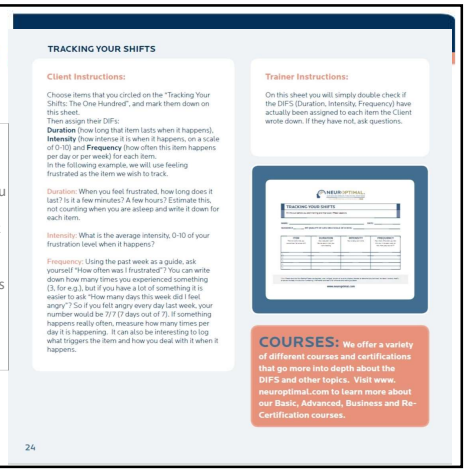
121

MODULE 8

PROGRESS TRACKING TOOLS

122

- Determining the Domains or Items to Monitor
- How often should you question the DIFS?
- Filling out paperwork every 15 sessions
- Assist individual in seeing subtle changes working up to a noticeable Shift or change



123

The One Hundred

TRACKING YOUR SHIFTS: THE ONE HUNDRED

NAME:

DATE: PRE/ONGOING/POST DATE:

Please check off any item that sounds right for you. If you are unsure, use the past week as your guide. It's fine to add comments if you wish.

- Ask Clients to go over their areas to Monitor
- Together pick out the top 3-5 to monitor
- Use this list as a Preliminary guideline
- Repeat at different intervals (possibly every 15 sessions)
- Use as a Post baseline list of domains

124

Wishlist and Tracking YOUR Shifts…

MY WISHLIST

FILL THIS OUT BEFORE YOU START YOUR TRAINING WITH NEUROPTIMAL®

TRACKING YOUR SHIFTS

NAME: DATE:

SESSION (CIRCLE) 1 10 20 30 40

CONCERN	DURATION	INTENSITY	FREQUENCY

125

PROGRESS TRACKING TOOLS ENCOURAGE THE INDIVIDUAL TO LOOK WITHIN…

- Self-Organizing
- Self-Healing
- Intrinsic
- Dynamical
- Ever-Changing
- Constantly Evolving
- No Absolute Values
- Infinitely Cycling
- Self-Regulating

POST-SESSION EVALUATION

🚫 CHARTS 🚫 GRAPHS, 🚫 NUMERICAL VALUES

126

WHY ELIMINATE NUMBERS, GRAPHS & CHARTS?

NEUROPTIMAL®

Numbers are external tool originating from outside the client, representing someone else's value of how things should be.

Charts or Graphs assume there is only 1 specific, **absolute value** that is the 'right' way to be

Linear analysis tools are always **justifying** an action or **predicting** a value

WE CAN'T DEPEND UPON SOMEONE ELSE'S VIEWS OF PROGRESS FOR WE KNOW "ANALYSIS CREATES PARALYSIS"

127

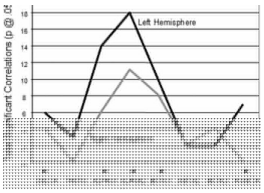
AFTER SESSION VIEWS ARE NOT A LINEAR PROCESS

NEUROPTIMAL®

No matter what you see in the numbers or colors that is in the session training, they do not reveal any thing that will cause the Trainer to do anything differently within NeurOptimal® Sessions.

So we do not tailor the Sessions predicting a change, nor do we look back on a session and try to 'justify' what happened in that session.

Nothing "Doesn't Work": it's always (information) or feedback the CNS responds to in a unique, personalized way



LOOK INWARD AND FEEL THE CHANGE…THAT IS THE EMPOWERMENT THAT WE SEEK

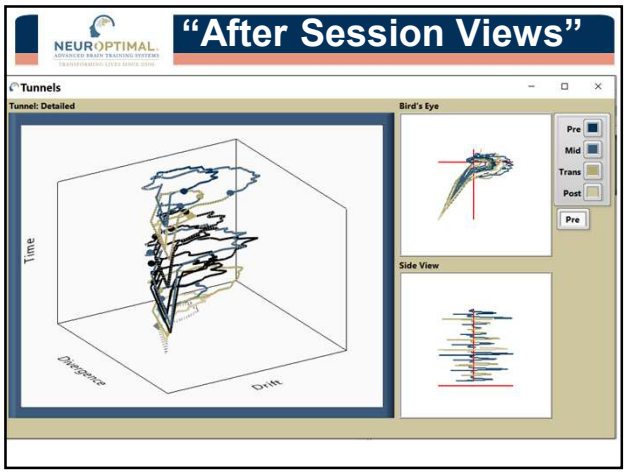
128

NEUROPTIMAL®

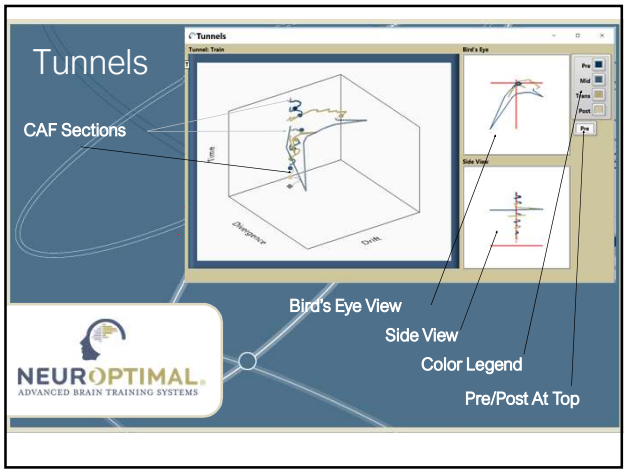
Cross Ambiguity Function

- The **Cross Ambiguity Function (CAF)** replaces the **Legacy CCACs in the past 2.0 program**
- **CAF** is the larger group of mathematical algorithms. The **CCAC** is a particular way of determining the **CAF** for the transition of **Eyes Open to Eyes Closed**
- **NO3** calculates **CAFs** from 3 minute segments of **EEG** throughout a **Training Session**
- These segments overlap 1 minute, making the **CAFs** even more robust

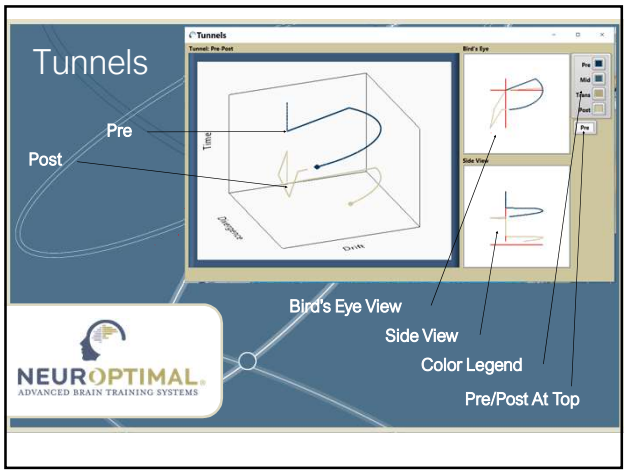
129


NEUROPTIMAL
"After Session Views"
Tunnels
Tunnel: Detailed
Bird's Eye
Side View
Pre
Mid
Trans
Post
Time
Divergence
Drift

130


Tunnels
CAF Sections
Bird's Eye View
Side View
Color Legend
Pre/Post At Top
NEUROPTIMAL
ADVANCED BRAIN TRAINING SYSTEMS

131

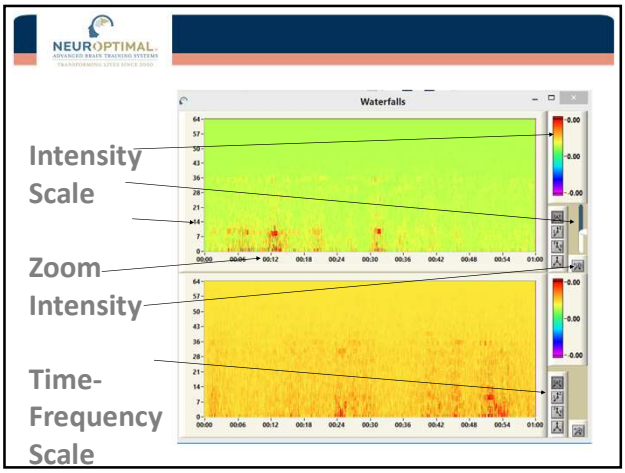

Tunnels
Pre
Post
Bird's Eye View
Side View
Color Legend
Pre/Post At Top
NEUROPTIMAL
ADVANCED BRAIN TRAINING SYSTEMS

132

The **Waterfalls**: Introduction

- The **Waterfalls Display** is one of two 'After Session Views'
- Multiple **Perspective Views** accessed by a **Tap** with their own **Grab and Drag, Zoom** and **Reorient View**
- **Line Noise** is removed by default
- You can **Zoom by Intensity** and you can set different **Regions of Interest (ROI)** for greater precision and clarity
- You can migrate **ROIs** between the Left and Right Channel **Waterfalls**

133

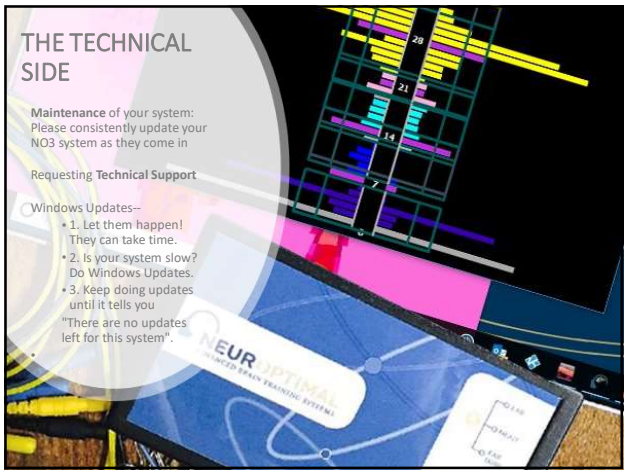


134

MODULE 9

THE TECHNICAL SIDE

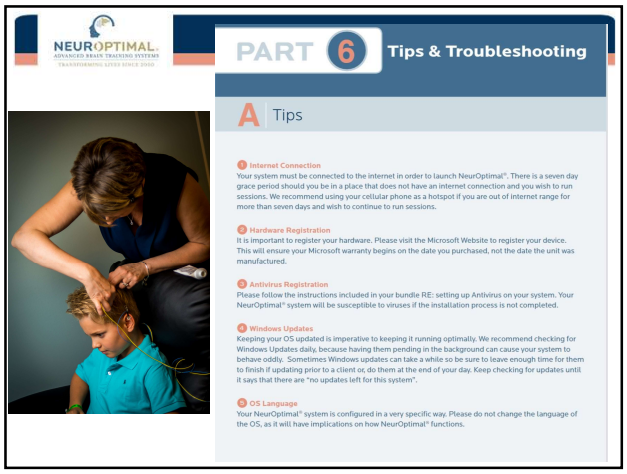
135


THE TECHNICAL SIDE
Maintenance of your system:
Please consistently update your NO3 system as they come in
Requesting **Technical Support**
Windows Updates--
• 1. Let them happen! They can take time.
• 2. Is your system slow? Do Windows Updates.
• 3. Keep doing updates until it tells you "There are no updates left for this system".

136

NEUROPTIMAL
Updating Your New System

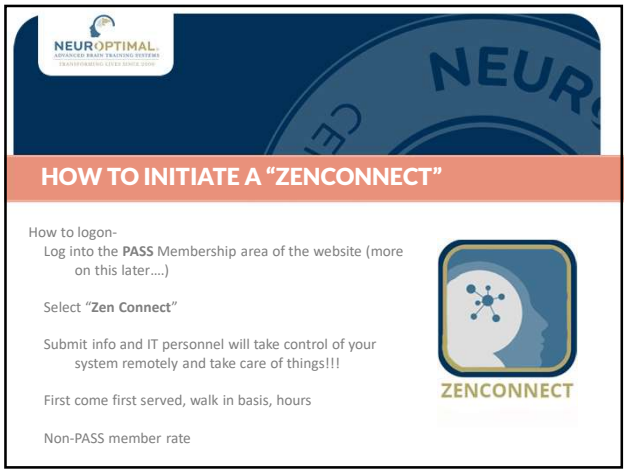
137


NEUROPTIMAL
PART 6 Tips & Troubleshooting
A Tips
Internet Connection
Your system must be connected to the internet in order to launch NeurOptimal®. There is a seven day grace period should you be in a place that does not have an internet connection and you wish to run sessions. We recommend using your cellular phone as a hotspot if you are out of internet range for more than seven days and wish to continue to run sessions.
Hardware Registration
It is important to register your hardware. Please visit the Microsoft Website to register your device. This will ensure your Microsoft warranty begins on the date you purchased, not the date the unit was manufactured.
Antivirus Registration
Please follow the instructions included in your bundle RE: setting up Antivirus on your system. Your NeurOptimal® system will be susceptible to viruses if the installation process is not completed.
Windows Updates
Keeping your OS updated is imperative to keeping it running optimally. We recommend checking for Windows Updates daily, because having them pending in the background can cause your system to behave oddly. Sometimes Windows updates can take a while so be sure to leave enough time for them to finish if updating prior to a client or, do them at the end of your day. Keep checking for updates until it says that there are "no updates left for this system".
OS Language
Your NeurOptimal® system is configured in a very specific way. Please do not change the language of the OS, as it will have implications on how NeurOptimal® functions.

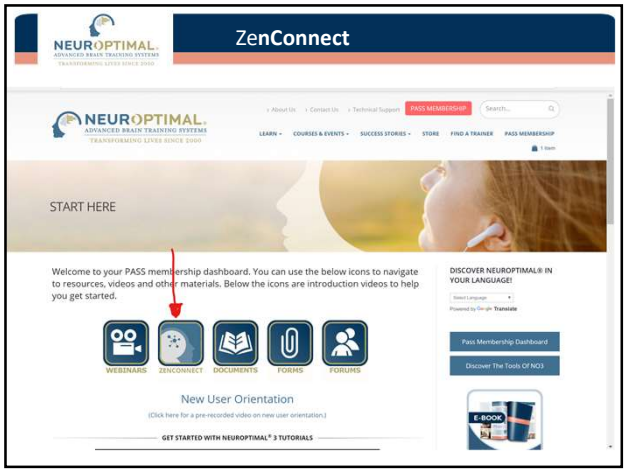
138

NEUROPTIMAL
Error Message
B
This error message means that your system is for some reason, not detecting your zAmp when trying to start a Session or suddenly during a Session. The most common solution to this problem is to verify your zAmp is properly connected to the USB cable and that the cable is properly connected to your system. Tap the "Try Again" button after this has been verified and then press the "Play" button in the NeurOptimal® Media Player to resume the Session. Another option is to press the "Stop Initialization" and start the Session again from the beginning. If this does not resolve the issue, try using the spare USB cable included with your bundle at time of purchase. If this still does not resolve the problem, please log on for a ZenConnect.

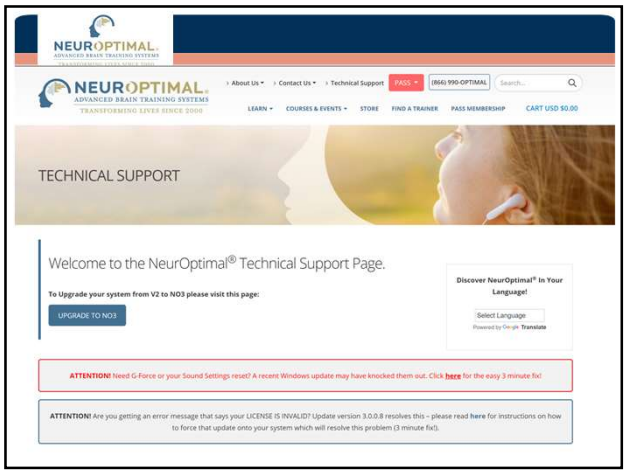
139


NEUROPTIMAL
HOW TO INITIATE A "ZENCONNECT"
How to logon-
Log into the **PASS** Membership area of the website (more on this later….)
Select "**Zen Connect**"
Submit info and IT personnel will take control of your system remotely and take care of things!!!
First come first served, walk in basis, hours
Non-PASS member rate
ZENCONNECT

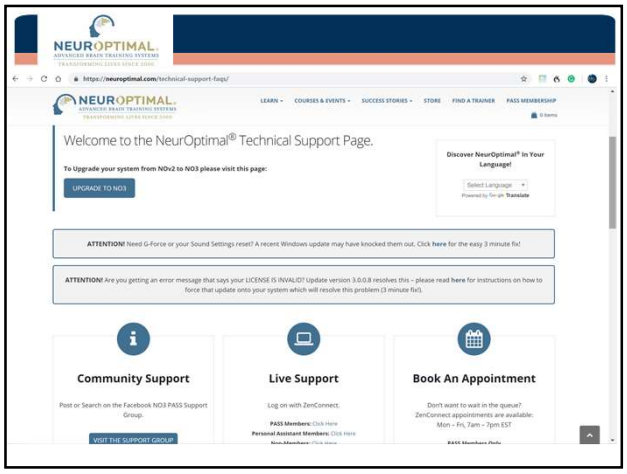
140


NEUROPTIMAL
ZenConnect
START HERE
Welcome to your PASS membership dashboard. You can use the below icons to navigate to resources, videos and other materials. Below the icons are introduction videos to help you get started.
WEBINARS
ZENCONNECT
DOCUMENTS
FORMS
FORUMS
New User Orientation
DISCOVER NEUROPTIMAL® IN YOUR LANGUAGE!
Pass Membership Dashboard
Discover The Tools Of NO3
E-BOOK

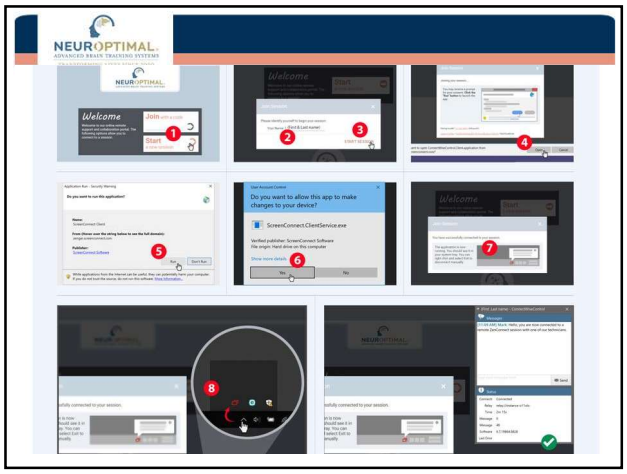
141


NEUROPTIMAL
ADVANCED BRAIN TRAINING SYSTEMS
TRANSFORMING LIVES SINCE 2000
About Us
Contact Us
Technical Support
PASS
(866) 990-OPTIMAL
Search...
LEARN
COURSES & EVENTS
STORE
FIND A TRAINER
PASS MEMBERSHIP
CART USD $0.00
TECHNICAL SUPPORT
Welcome to the NeurOptimal® Technical Support Page.
To Upgrade your system from V2 to NO3 please visit this page:
UPGRADE TO NO3
Discover NeurOptimal® In Your Language!
Select Language
Powered by Google Translate
ATTENTION! Need G-Force or your Sound Settings reset? A recent Windows update may have knocked them out. Click here for the easy 3 minute fix!
ATTENTION! Are you getting an error message that says your LICENSE IS INVALID? Update version 3.0.0.8 resolves this – please read here for instructions on how to force that update onto your system which will resolve this problem (3 minute fix!).

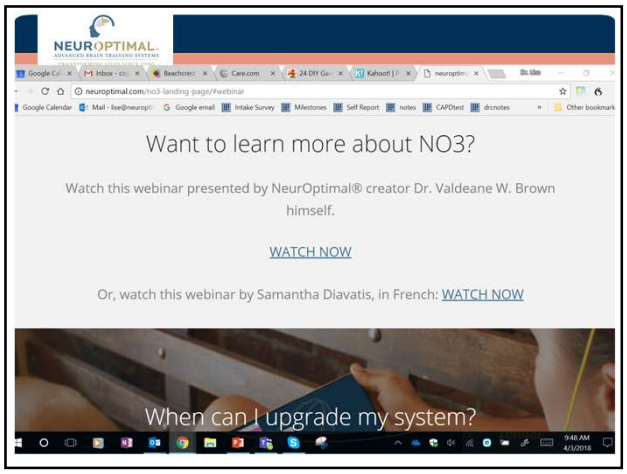
142


NEUROPTIMAL
ADVANCED BRAIN TRAINING SYSTEMS
https://neuroptimal.com/technical-support-faqs/
LEARN
COURSES & EVENTS
SUCCESS STORIES
STORE
FIND A TRAINER
PASS MEMBERSHIP
Welcome to the NeurOptimal® Technical Support Page.
To Upgrade your system from NOv2 to NO3 please visit this page:
UPGRADE TO NO3
Discover NeurOptimal® In Your Language!
Select Language
Powered by Google Translate
ATTENTION! Need G-Force or your Sound Settings reset? A recent Windows update may have knocked them out. Click here for the easy 3 minute fix!
ATTENTION! Are you getting an error message that says your LICENSE IS INVALID? Update version 3.0.0.8 resolves this – please read here for instructions on how to force that update onto your system which will resolve this problem (3 minute fix!).
Community Support
Post or Search on the Facebook NO3 PASS Support Group.
VISIT THE SUPPORT GROUP
Live Support
Log on with ZenConnect.
PASS Members: Click Here
Personal Assistant Members: Click Here
Book An Appointment
Don't want to wait in the queue? ZenConnect appointments are available:
Mon – Fri, 7am – 7pm EST

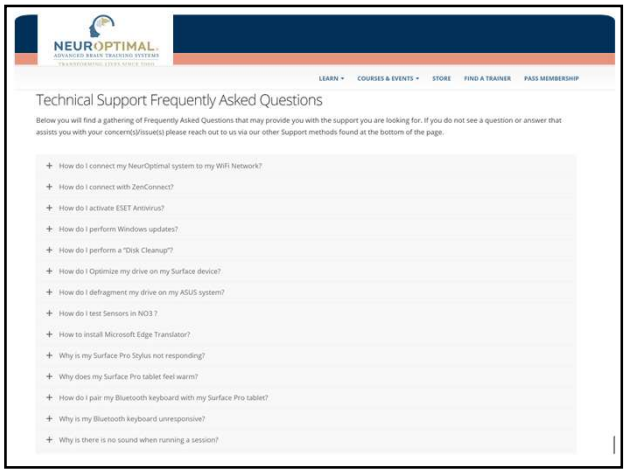
143


NEUROPTIMAL
ADVANCED BRAIN TRAINING SYSTEMS
Welcome
Join
Start
Do you want to allow this app to make changes to your device?
ScreenConnect.ClientService.exe
Yes
No

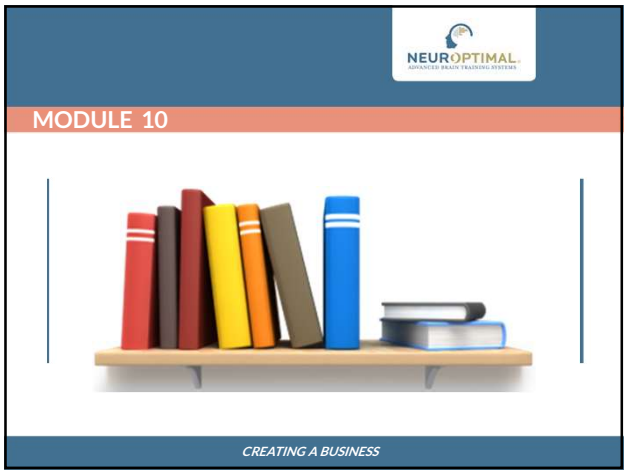
144


NEUROPTIMAL
Want to learn more about NO3?
Watch this webinar presented by NeurOptimal® creator Dr. Valdeane W. Brown himself.
WATCH NOW
Or, watch this webinar by Samantha Diavatis, in French: WATCH NOW
When can I upgrade my system?

145


NEUROPTIMAL
Technical Support Frequently Asked Questions
How do I connect my NeurOptimal system to my WiFi Network?
How do I connect with ZenConnect?
How do I activate ESET Antivirus?
How do I perform Windows updates?
How do I perform a "Disk Cleanup"?
How do I Optimize my drive on my Surface device?
How do I defragment my drive on my ASUS system?
How do I test Sensors in NO3 ?
How to install Microsoft Edge Translator?
Why is my Surface Pro Stylus not responding?
Why does my Surface Pro tablet feel warm?
How do I pair my Bluetooth keyboard with my Surface Pro tablet?
Why is my Bluetooth keyboard unresponsive?
Why is there is no sound when running a session?

146


NEUROPTIMAL
MODULE 10
CREATING A BUSINESS

147

BUSINESS -KEY POINTS:

- Train You Own Brain!!!!
- Leaving your **Client in the driver seat**: Let them to decide when they're "done" or when and if they want to come back
- Training one vs. **multiple members** of a family

148

Every Session is the first and the last"

~Val Brown

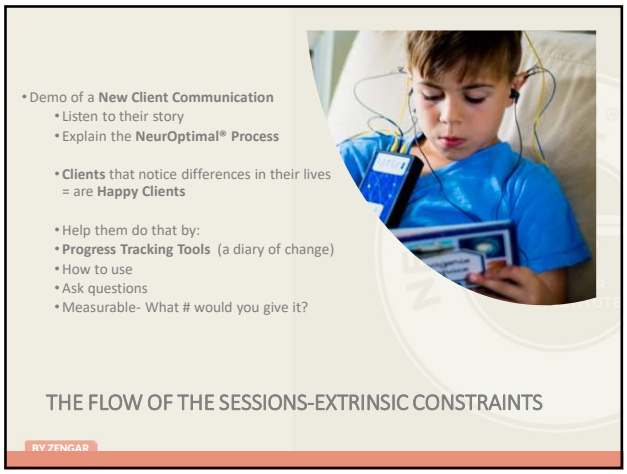
149

NEW TRAINEE MEETING...

- When discussing with trainees what they may experience remember:

1. Everyone is **different**
2. No way to know what they'll see and experience
3. Typically, "**the more trained a brain is**..." you might see ...(Language)
4. **Subtleties**, examples of situations and **shifts**
5. Check-in and help them notice **'internal shifts'** even ask them to look within at how the **Sessions** felt, and *would they like to schedule another appointment*
6. If they have been doing the in-office **Sessions** for a while does it make sense to **rent/purchase**?

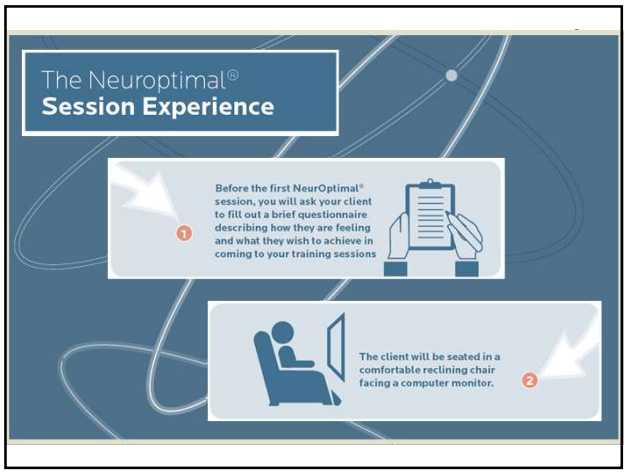
150


• Demo of a **New Client Communication**
• Listen to their story
• Explain the **NeurOptimal® Process**
• **Clients** that notice differences in their lives = are **Happy Clients**
• Help them do that by:
• **Progress Tracking Tools** (a diary of change)
• How to use
• Ask questions
• Measurable- What # would you give it?
THE FLOW OF THE SESSIONS-EXTRINSIC CONSTRAINTS
BY ZENGAR

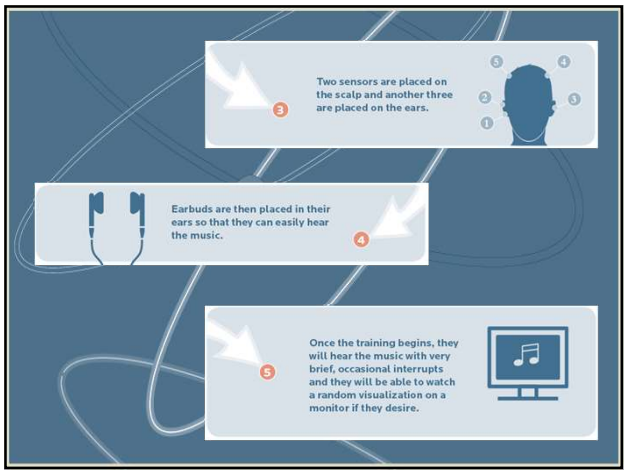
151

NEUROPTIMAL
ELEMENTS OF INITIAL CLIENT SESSION
Getting **Client** on Board –
Understand how **NeurOptimal®** works
Pricing –
* Per session
* Per Package of sessions
Client Understanding of Office Policies
* Late or No-Show fees
* Any discounts or refunds you offer
Client Consent to Training

152


The Neuroptimal®
Session Experience
Before the first NeurOptimal® session, you will ask your client to fill out a brief questionnaire describing how they are feeling and what they wish to achieve in coming to your training sessions
The client will be seated in a comfortable reclining chair facing a computer monitor.

153


Two sensors are placed on the scalp and another three are placed on the ears.
Earbuds are then placed in their ears so that they can easily hear the music.
Once the training begins, they will hear the music with very brief, occasional interrupts and they will be able to watch a random visualization on a monitor if they desire.

154

NEUROPTIMAL
Additional Revenue Streams

155

NEUROPTIMAL
DIFFERENT WAYS TO USE NEUROPTIMAL® WITH CLIENTS
In-Office **Sessions**
Rentals
Ambassador program

156

PRACTICALITIES OF A NEUROFEEDBACK PRACTICE

NO**3** **Rentals**

Microsoft

- Passive income stream
- Less costly alternative for families who wish to train
- Alternative for people who live far away
- No hours required
- Unlimited **Clients**
- Low maintenance
- Very affordable financing options available for **PASS** members

157

NeurOptimal® rental program version 3.0

Assumptions		
Purchase price of unit	6,296	
Monthly rental income	700	
Rental efficiency	90%	to build in some inefficiency for when rentals are returned and re-rented
Maximum sessions/mo	15	allow max of 20 sessions per month however most use only 3-4 per week
# sessions w/ purchase	100	
100 Session reload	800	Most efficient reload point
Financing Option	2,750	Down pmt
12 month financed pmt	320	

Direct purchase per unit analysis

		Month											
Cash flow per unit		1	2	3	4	5	6	7	8	9	10	11	12
Purchase unit/sessions	(6,296)	0	0	0	0	0	0	(800)	0	0	0	0	0
Rental Income		630	630	630	630	630	630	630	630	630	630	630	630
Cumulative Cash flow	(6,296)	(5,666)	(5,036)	(4,406)	(3,776)	(3,146)	(2,516)	(2,686)	(2,056)	(1,426)	(796)	(166)	465
Sessions remaining	100	85	70	55	40	25	10	95	80	65	50	35	20

	Month											
	13	14	15	16	17	18	19	20	21	22	23	24
Session Reload	(800)	0	0	0	0	0	0	(800)	0	0	0	0
Rental Income	630	630	630	630	630	630	630	630	630	630	630	630
Cumulative Cash flow	295	925	1,555	2,185	2,815	3,445	4,075	3,905	4,535	5,165	5,795	6,425
Sessions remaining	105	90	75	60	45	30	15	100	85	70	55	40

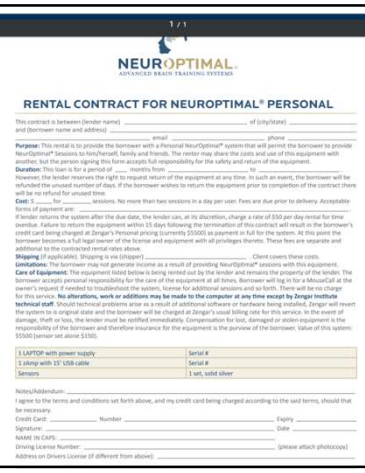
Multiple units cash flow	Investment required	cash @ 12 months	24 months
x2	(12,591)	929	12,849
x3	(18,887)	1,394	19,274
x4	(25,182)	1,858	25,698
x5	(31,478)	2,323	32,123
x6	(37,773)	2,787	38,547

Original Investment returned within 12 months
Positive cash of 6424.5 per unit by the end of 24 months.

158

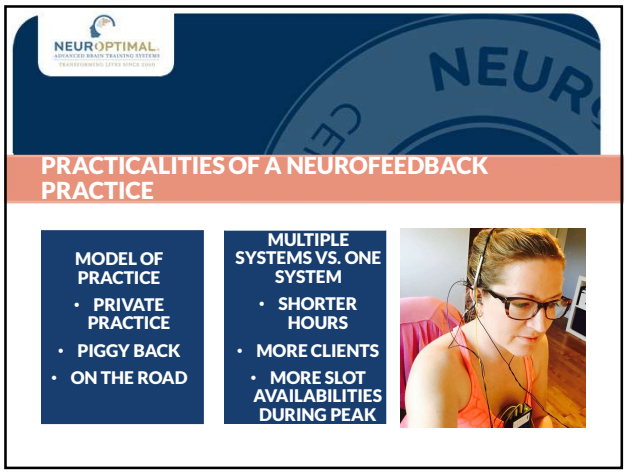
Rental Contract

Zengar website- you can change it up for your personal use



RENTAL CONTRACT FOR NEUROPTIMAL® PERSONAL

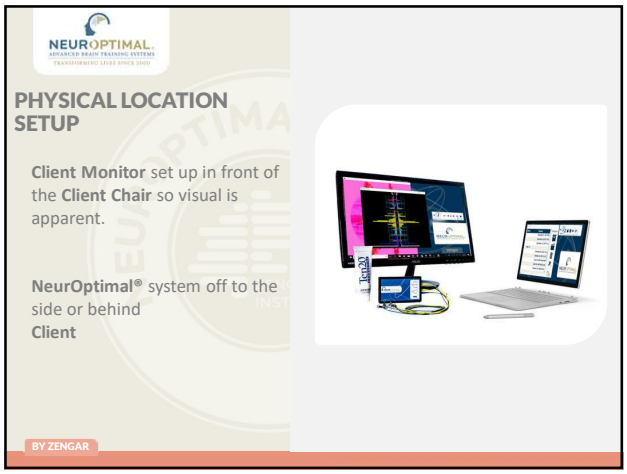
159


NEUROPTIMAL
PRACTICALITIES OF A NEUROFEEDBACK PRACTICE
MODEL OF PRACTICE
• PRIVATE PRACTICE
• PIGGY BACK
• ON THE ROAD
MULTIPLE SYSTEMS VS. ONE SYSTEM
• SHORTER HOURS
• MORE CLIENTS
• MORE SLOT AVAILABILITIES DURING PEAK

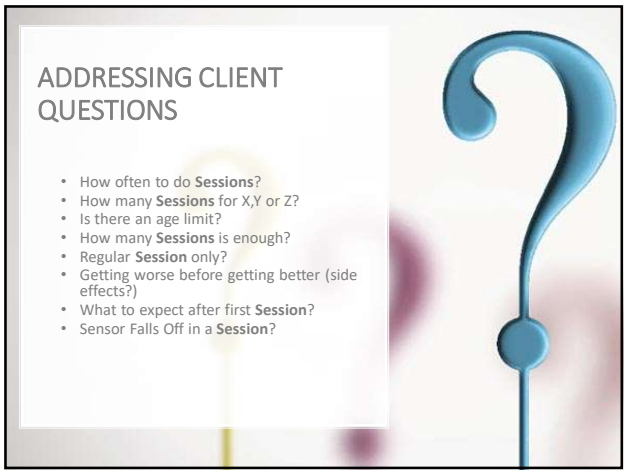
160

NEUROPTIMAL
TRAINING LOCATIONS

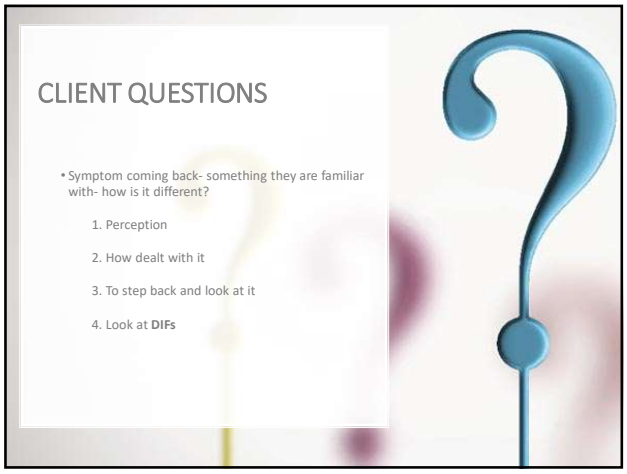
161


NEUROPTIMAL
PHYSICAL LOCATION SETUP
Client Monitor set up in front of the Client Chair so visual is apparent.
NeurOptimal® system off to the side or behind Client
BY ZENGAR

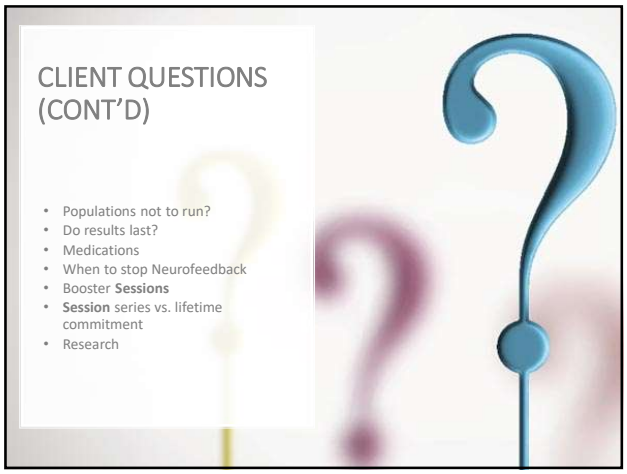
162


ADDRESSING CLIENT QUESTIONS
• How often to do **Sessions**?
• How many **Sessions** for X,Y or Z?
• Is there an age limit?
• How many **Sessions** is enough?
• Regular **Session** only?
• Getting worse before getting better (side effects?)
• What to expect after first **Session**?
• Sensor Falls Off in a **Session**?

163


CLIENT QUESTIONS
• Symptom coming back- something they are familiar with- how is it different?
1. Perception
2. How dealt with it
3. To step back and look at it
4. Look at **DIFs**

164


CLIENT QUESTIONS (CONT'D)
• Populations not to run?
• Do results last?
• Medications
• When to stop Neurofeedback
• Booster **Sessions**
• **Session** series vs. lifetime commitment
• Research

165

BRANDING

- One **consistent message**
- In the **same language**
- Emphasizing the same things
- Leaving everything else out
- Nothing more, nothing less

- **Or else you are not Representing Zengar Institute, Inc**

166

TRADEMARK RULES

Please refer to the trademark rules when using the **NeurOptimal®** logo, speaking about **NeurOptimal® Dynamical Neurofeedback®** publicly , building a website etc.

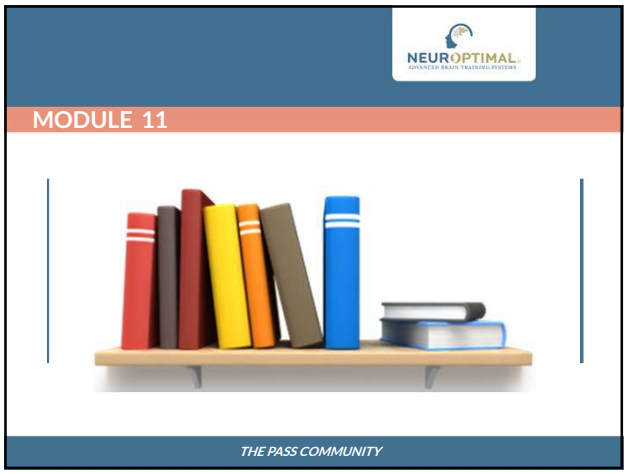
167

ELEVATOR SPEECH

- **We all need a 3-5 sentence dialogue for when someone asks**

- **"What do you do"?**

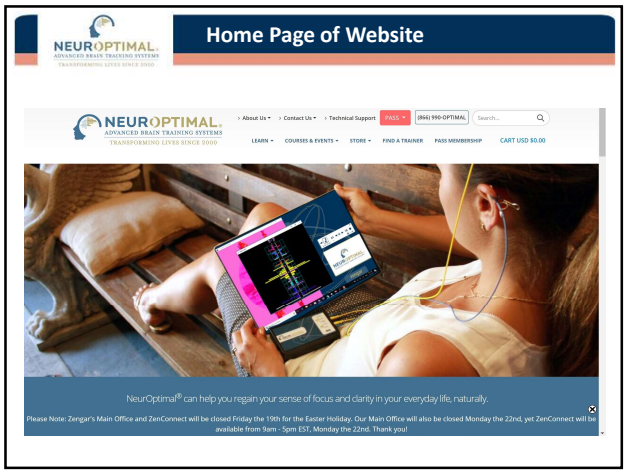
168


NEUROPTIMAL
MODULE 11
THE PASS COMMUNITY

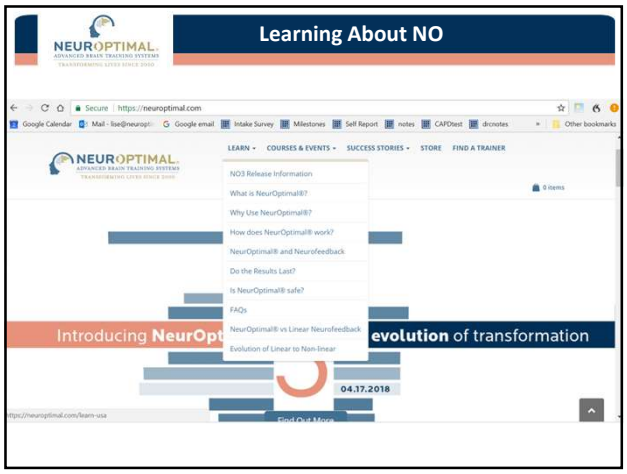
169

NEUROPTIMAL
Karen Introduces PASS

170


NEUROPTIMAL
Home Page of Website
NeurOptimal® can help you regain your sense of focus and clarity in your everyday life, naturally.

171


Learning About NO
NEUROPTIMAL
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SUCCESS STORIES
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FIND A TRAINER
NO3 Release Information
What is NeurOptimal®?
Why Use NeurOptimal®?
How does NeurOptimal® work?
NeurOptimal® and Neurofeedback
Do the Results Last?
Is NeurOptimal® safe?
FAQs
NeurOptimal® vs Linear Neurofeedback
Evolution of Linear to Non-linear
Introducing NeurOpt
evolution of transformation
04.17.2018

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ONLINE Courses
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Advanced Certification
DYNAMICAL NEUROFEEDBACK®

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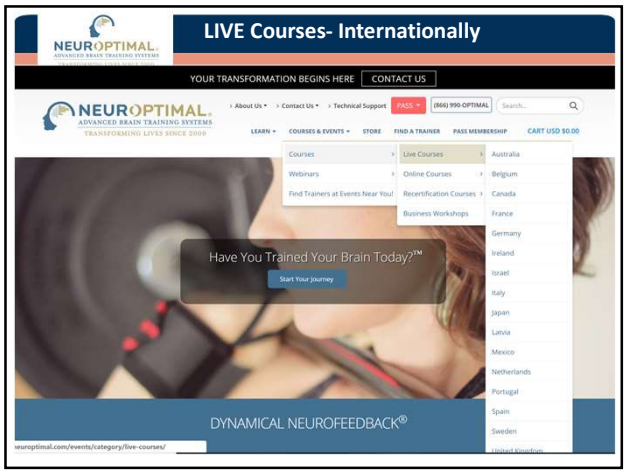
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Sweden
Have You Trained Your Brain Today?™
Start Your Journey
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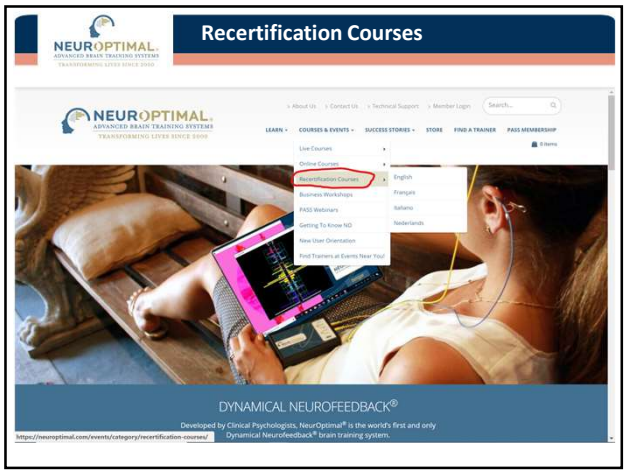
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New User Orientation
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Français
Italiano
Nederlands
DYNAMICAL NEUROFEEDBACK®
Developed by Clinical Psychologists, NeurOptimal® is the world's first and only Dynamical Neurofeedback® brain training system.
https://neuroptimal.com/events/category/recertification-courses/

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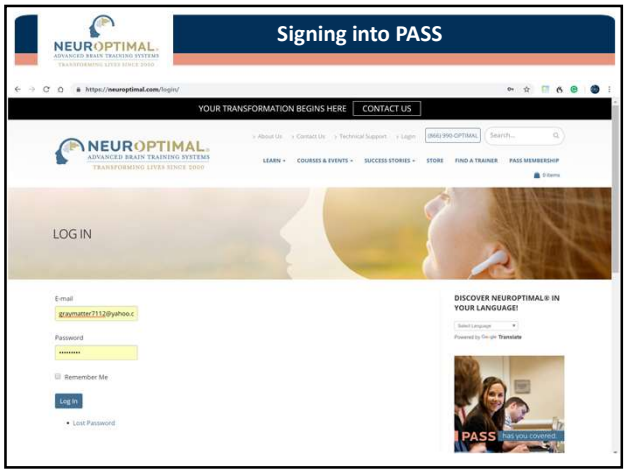
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Remember Me
Log In
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Hello Lise DeLong (not Lise DeLong? Log out)
From your account dashboard you can view your recent orders, manage your shipping and billing addresses, and edit your password and account details.
DISCOVER NEUROPTIMAL® IN YOUR LANGUAGE!
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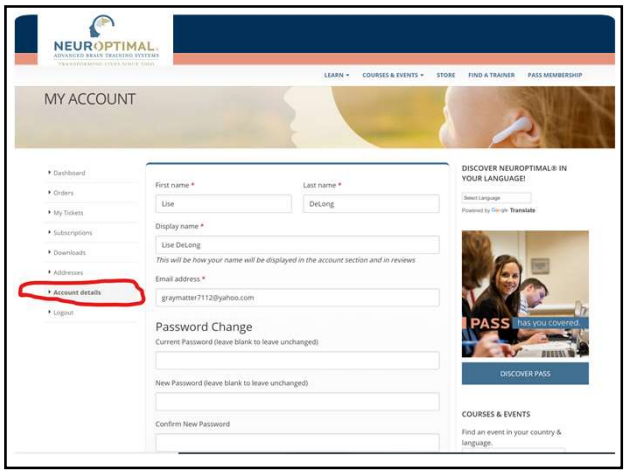
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Dashboard
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First name *
Lise
Last name *
DeLong
Display name *
Lise DeLong
This will be how your name will be displayed in the account section and in reviews
Email address *
graymatter7112@yahoo.com
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Current Password (leave blank to leave unchanged)
New Password (leave blank to leave unchanged)
Confirm New Password
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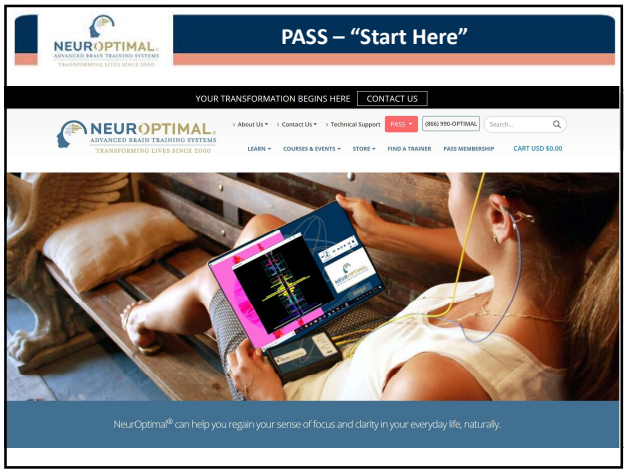
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NeurOptimal® can help you regain your sense of focus and clarity in your everyday life, naturally.

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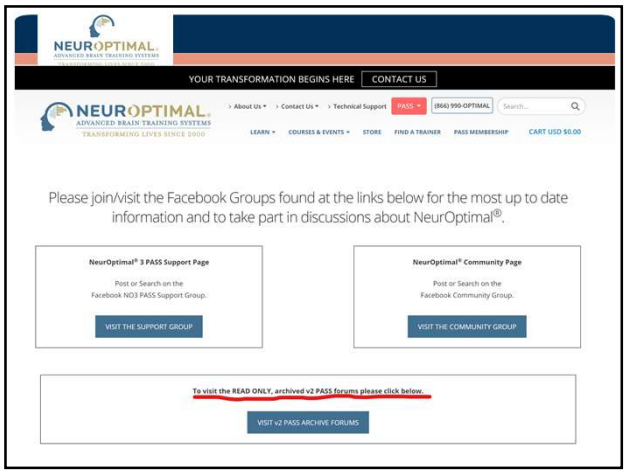
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NeurOptimal® Community Page
Post or Search on the Facebook Community Group.
VISIT THE COMMUNITY GROUP
To visit the READ ONLY, archived v2 PASS forums please click below.
VISIT v2 PASS ARCHIVE FORUMS

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navigate to resources, videos and other materials. Below the icons are introduction
videos to help you get started.
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ZENCONNECT
DOCUMENTS
FORMS
FORUMS
New User Orientation
(Click here for a pre-recorded video on new user orientation.)
GET STARTED WITH NEUROPTIMAL® 3 TUTORIALS
YOUR LANGUAGE!
Pass Membership Dashboard
Discover The Tools Of NO3
E-BOOK

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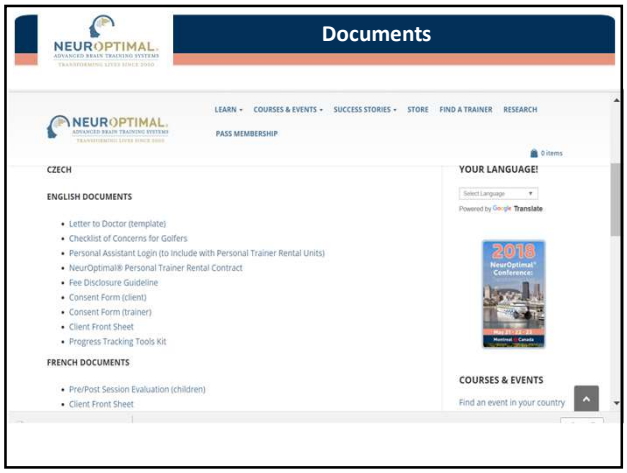
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SUCCESS STORIES
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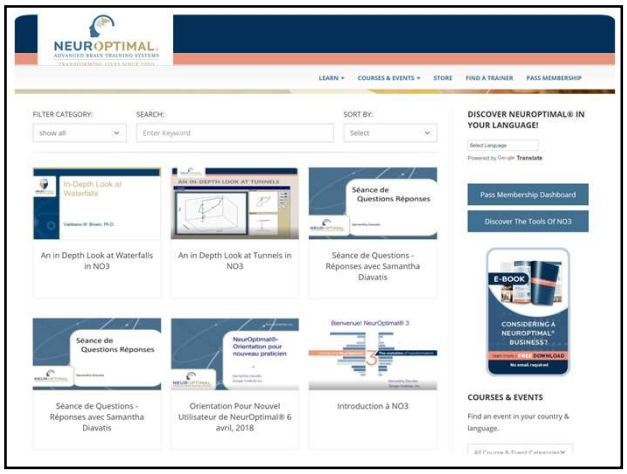
FIND A TRAINER
RESEARCH
PASS MEMBERSHIP
CZECH
ENGLISH DOCUMENTS
Letter to Doctor (template)
Checklist of Concerns for Golfers
Personal Assistant Login (to include with Personal Trainer Rental Units)
NeurOptimal® Personal Trainer Rental Contract
Fee Disclosure Guideline
Consent Form (client)
Consent Form (trainer)
Client Front Sheet
Progress Tracking Tools Kit
FRENCH DOCUMENTS
Pre/Post Session Evaluation (children)
Client Front Sheet
YOUR LANGUAGE!
COURSES & EVENTS
Find an event in your country

182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An in Depth Look at Tunnels in NO3
Séance de Questions - Réponses avec Samantha Diavatis
Séance de Questions - Réponses avec Samantha Diavatis
Orientation Pour Nouvel Utilisateur de NeurOptimal® 6 avril, 2018
Introduction à NO3

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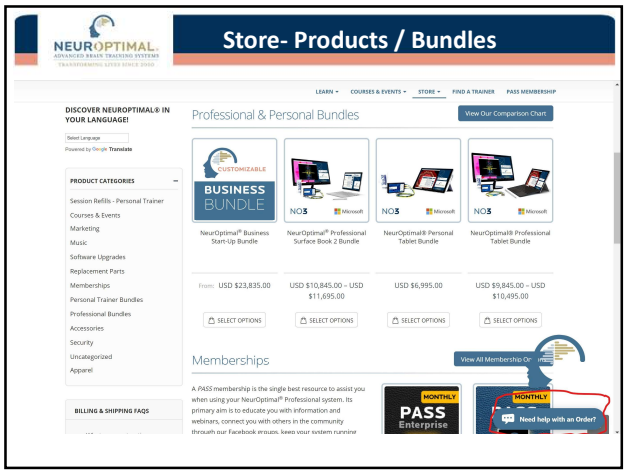
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NeurOptimal® Professional Surface Book 2 Bundle
NeurOptimal® Personal Tablet Bundle
NeurOptimal® Professional Tablet Bundle
From: USD $23,835.00
USD $10,845.00 – USD $11,695.00
USD $6,995.00
USD $9,845.00 – USD $10,495.00
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Security
Uncategorized
Apparel
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Memberships
MONTHLY
PASS Enterprise
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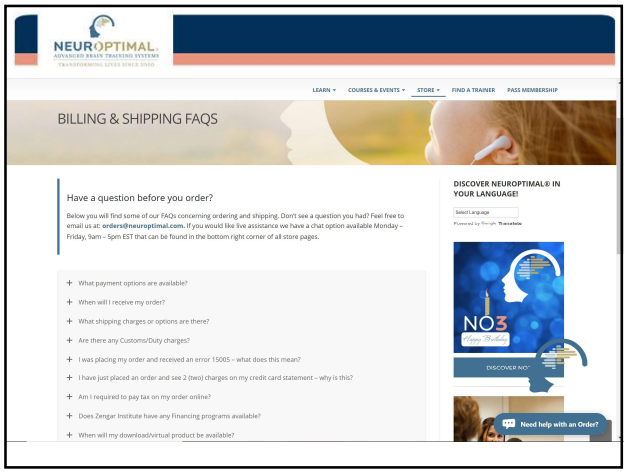
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BILLING & SHIPPING FAQS
Have a question before you order?
Below you will find some of our FAQs concerning ordering and shipping. Don't see a question you had? Feel free to email us at: orders@neuroptimal.com. If you would like live assistance we have a chat option available Monday – Friday, 9am – 5pm EST that can be found in the bottom right corner of all store pages.
What payment options are available?
When will I receive my order?
What shipping charges or options are there?
Are there any Customs/Duty charges?
I was placing my order and received an error 15005 – what does this mean?
I have just placed an order and see 2 (two) charges on my credit card statement – why is this?
Am I required to pay tax on my order online?
Does Zengar Institute have any Financing programs available?
When will my download/virtual product be available?
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6
Months FREE Access
Included with the purchase of any new Personal or Professional Bundle
PASS
$995
/year
or $89/Month
USD
PASS Enterprise
$1995
/year

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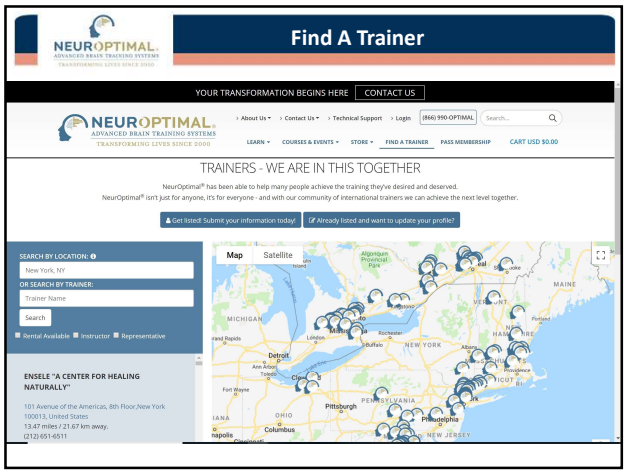
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SEARCH BY LOCATION:
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Search
ENSELE "A CENTER FOR HEALING NATURALLY"
Map
Satellite

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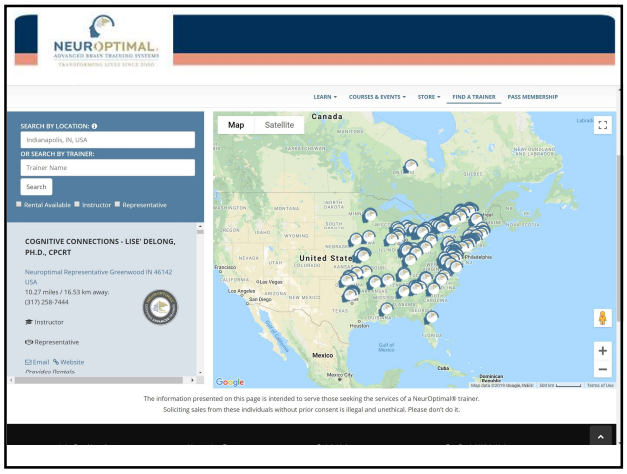
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NeurOptimal® IS TRANSFORMING. Personally, it takes the "edge" off the unwanted qualities I've developed throughout my life & enhances the best in me. It's lasting.
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Valdeane W. Brown , Ph.D.
2018
Susan Cheshire Brown , Ph.D.
This certification is valid until

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Congratulations from Founder Dr. Val Brown

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NEUROPTIMAL
Questions?

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Congratulations on the Completion of the Basic Course!
You are now ready for your Basic Quiz
You should receive your quiz within 24 hours of taking this course
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